



Editor Fusible Link:
Brad Hart &
Ana Crisostomo
Tel: 646-572-3920
Fax: 646-871-3920

Society of Fire Protection Engineers

New Jersey Chapter

FUSIBLE LINK

JANUARY 2011

Chapter Officers

President

Rich Reitberger - 973-541-6776
Richard.reitberger@affiliatedfm.com

First V.P.

John Cholin - 201-337-8621
jmc@jmcholinconsultants.com

Second V.P.

Ed Arm - 212-695-6670
earmm@rjagroup.com

Past President

Dave Gluckman - 973-829-2920
Gluckman_da@willis.com

Treasurer

Bob Murray - 908-755-5001
rmurray@acefirepros.com
Asst. Treasurer
Richard Ravaoli - 908-272-0066
rravs@verizon.net

Secretary

Joe Janiga—973-541-6774
Joseph.janiga@fmglobal.com

Asst. Secretary

Brad Hart - 646-572-3920
bhart@lockton.com

Director

Dave Kurasz—866-226-6006
kurasz@nfsa.org

Director

Glenn Buser - 201-891-1405
gbuser@gbrisk.com

Director

John Warnet - 973-541-6986
John.warnet@fmglobal.com

Director

Jerry Naylis - 201-384-2059
jerryaylis@aol.com

Special Executive Assistant to The Board

Vicki Serafin
vicki.serafin@affiliatedfm.com

President's Message...

Happy New Year 2011. Well another new year is upon us. We are half way through the Chapter year and we have much more to offer both educationally and for our membership to enjoy. April 22nd is our Joint Technical Seminar with AFAA to be held at the Ramada Plaza Hotel Newark Intl Airport. We will have great speakers, informative briefings and a trade show to showcase the latest technology and equipment. At the end of June is our annual Joint Golf Outing run jointly with the NY Metro Chapter. The outing is at our normal course, West Point Golf Club. A great event that benefits our members and our scholarship fund. Also check our monthly meeting notices for presentations and events. We are planning to upgrade our web site. Check out www.njsfpe.org for a new look and something special under the hood. Enjoy the new year and we will see you all at the meetings.

Rich Reitberger
Chapter President

<http://www.sfpe.org/Chapters/NewJersey.aspx>

www.twitter.com/newjerseysfpe

<http://www.facebook.com/home.php?#!/pages/New-Jersey-Chapter-of-the-Society-of-Fire-Protection-Engineers-SFPE/230335010430?ref=search&sid=1603495530.128212107..1>

NJ-SFPE December 6, 2010

Meeting Minutes

Meeting was called to order at 6:15 by our President Rich Reitberger

After the salute to the flag and members introducing themselves the Secretary's meeting minutes were accepted as written into the Fusible Link and the treasurer's report was read and accepted as written.

Rich showed a slide show about why we were there. The night belonged to Mike Newman who was elected to

fellow of The Society of Fire Protection Engineers on October 4 in New Orleans.

We had a nice cake for Mike.

Rich then talked (again with a slide or two) about the John V. Kelly Award. He explained that Assemblyman Kelly was from Nutley and belonged to a number of fire safety organizations as well as the chair of the legislative Fire Safety Committee. The award was

for Excellence in Government and Vinny Fichera was presented the award for all he has accomplished in this regard.

We talked further about our upcoming meeting January 3 and it was decided that Tyco would be contacted to demonstrate their new PRV, Dry Residential Systems and their new institutional heads.

Fire guts Utah's 127-year-old Provo Tabernacle

December 18, 2010

Utah's 127-year-old Provo Tabernacle, which took 15 years to build and was one of the oldest buildings in the state, was gutted after being engulfed in flames. The tabernacle is listed on the US National Register of Historic Places.

While the brick facade on the lower part of the tabernacle, which belongs to the Church of Jesus Christ of Latter-day Saints, remained standing, fire officials established a 'collapse zone' perimeter.

A meeting with structural engineers, city and church officials was scheduled to determine what to do next with the building, which was used for church meetings, concerts and plays. The church said on its website the fire was believed to have broken out the second floor of the building.

An investigation was being carried out to determine the exact cause. There was no official estimate of the damage to the building, construction of which cost \$100,000 and started in 1883, but authorities said electronic equipment worth millions went up in flames.

Continuing Professional Development Requirements Update for PA For Those of you with PE's in PA

(Article from Engineers Club of Philadelphia)

With the passage of Act 25 in May, Pennsylvania professional engineers, land surveyors and geologists are now in pursuit of the required 24 professional development hours (PDHs) required by October 1, 2011 for license renewal. Any eligible coursework since October 1, 2009 will qualify. The specific requirements for PE's, LS's and PG's are available on the Department of State's website at www.dos.state.pa.us/eng for your information.

In a letter dated October 19, 2010, the PA Independent Regulatory Review Commission rejected the proposed regulations. One of the key points was that the six month extension that the State Board had been willing to grant was not consistent with the legislative intent. If this rejection is upheld, then the 24 PDHs must be obtained by September 30, 2011.

Having anticipated this denial, according to PSPE's *Legislative Report*, "the Board discussed this at its last meeting and determined that it would move forward with implementation of the regulation even if IRRC rejected it. At that point in the regulatory review process, the only way for the regulation to be stopped is for the Legislature

to pass a resolution. That is unlikely to occur as PSPE is supporting the Board's regulation and such a resolution passing has almost never happened in the history of IRRC."

While this is new for those in PA and NJ, it is not new for some engineers registered in other states or who have other certifications requiring continuing education. The requirements for these other entities vary, and therefore it is not possible for the Club to definitively state whether a particular meeting or course would be acceptable for any given attendee. We will evaluate our programs and provide an indication of the number of PDHs for the event, based on the National Council of Examiners for Engineering and Surveying (NCEES) guidelines. A certificate of completion will be provided to those completing the course or attending the meeting. It is the participant's responsibility to determine whether the course complies with the requirements of the registration or certifying agency.

The accounting and record-keeping necessary for your professional development hours remains YOUR individual

responsibility as the license holder. The Club will maintain attendance records of its programs, which will be available as a backup and can be used in the event you may be audited by the State Board. You will NOT need to send receipts, documents, certificates, etc. with your renewal to show you have earned the required number of PDH's, but you may be asked to produce this in the event of an audit. On the NJ side of the river, the effective date of the new law is January 12, 2011. At this time, the State Board of Professional Engineers and Land Surveyors (Board) is working on proposed regulations to provide guidance and clarification to its licensees and interested parties. Current information from the Board indicates a licensee is not required to acquire continuing professional competency credits until January 12, 2011. However, the Board anticipates that a current licensee shall be required to obtain 15 continuing professional competency credits, 2 of which shall be in professional practice ethics, on or before April 30, 2012 to meet the requirements for the 2012- 2014 biennial renewal period.



Rich Reitberger, Chapter President, presenting Mike Newman with SFPE Fellow Award.



Rich Reitberger presents Vinny Fichera with John V. Kelly Award.

Report on Detection Cameras Released

November 11, 2010

The report, 'Remote Fire Detection Trials Evaluation of Three Fire Detection Systems', by the Bushfire Cooperative Research Centre (CRC), undertaken by the Commonwealth Scientific and Research Organization (CSIRO), examines whether the critical time between a fire starting and it being detected could be reduced by the use of remotely controlled bushfire detection cameras.

The trial conducted between February and April in the Otway Ranges in Victoria and near Tumut in New South Wales aimed to:

- assess the ability of bushfire detection cameras to detect fire outbreaks
- assess the technology's potential to integrate into fire service systems and processes
- provide information for situational awareness



examine whether remote cameras would avoid detecting events that were not fires

The report finds that all camera systems tested were able to observe and locate fires during both day and night.

However, detection by the camera systems was slower and less reliable than by a trained human observer in a fire tower.

Accordingly, the report states that it is not possible to rely on the cameras as a sole primary detection method; however, they could be used to supplement other detection methods, particularly at night, or in remote locations.

UNITED
FIRE PROTECTION CORPORATION

Frank Savino *President*

1 Marx Road • Kenilworth, NJ 07033 Email fsavino@ufpco.com
Tel: 908 688 0300 x222 Fax: 908 481 1112 Cell: 908 337 7711

www.ufpco.com

GB RISK CONSULTING

Glenn D. Buser, P.E.
201-891-1405
201-450-7559 (Cell)

GB Risk Consulting, LLC
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Mahwah, NJ 07430
Email: gbuser@gbrisk.com

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Robert Valinski
National Account Manager

ADT Security Services, Inc.
695 Route 46 West
Suite 200
Fairfield, NJ 07004

Tele: 973 439 6477
Fax: 801 327 0769
email: rvalinski@adt.com



Coffee Break Training - Fire Protection Series

Automatic Sprinklers: Hanger Installations

No. FP-2010-49 December 7, 2010

Learning Objective: *The student shall be able to identify the minimum hanger and rod dimension requirements for iron or steel sprinkler pipes.*

Fire sprinkler systems must be adequately supported by connecting the hangers to the building structure, *not* to another pipe as illustrated in today’s picture.

Hangers are intended to support the sprinkler system to hold it in place away from other building components, and restrain its movement in the event that a sprinkler operates. With some exceptions, National Fire Protection Association (NFPA) 13, *Standard for the Installation of Sprinkler Systems*, requires each section of sprinkler pipe to be supported by a hanger connected to a structural member.

Hangers should support the added load of the water-filled pipe plus a minimum of 250 lb (114 kg) applied at the point of hanging. There are three exceptions in the installation standard:

1. Listed flexible sprinkler hose fittings and their anchoring components when installed in accordance with the requirements of the listing, including any installation instructions.
2. Branch line hangers attached to metal a deck for supporting only pipe 1 inch (25 mm) or smaller in size, by drilling or punching the vertical portion of the metal deck and using through bolts.
3. Toggle hangers for supporting only pipe 1-1/2 inches (40 mm) or smaller in size under ceilings of hollow tile or metal lath and plaster.



This pipe should be suspended from the structure, not another pipe.

The metal rods that connect the hanger to the structure also must meet the minimum requirements on the following table:

Pipe size (diameter)		Rod size (diameter)	
Inches	mm	Inches	mm
Up to and including 4	100	3/8	9.5
5	125	1/2	12.7
6	150		
8	200		
10	250	5/8	15.9
12	300		

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For Additional Information, refer to NFPA 13, Chapter 9.

Meeting Dates/Programs 2010-2011

Jan. 3	New FM Approved Tyco Pressure Reducing Valve, Raven Institutional Sprinkler Systems, and the RCP-1 Residential Dry System. Speaker: Drew Slocum, Regional Territory Manager, Tyco Fire Suppression & Building Products
Feb. 7	Dust Update—John Cholin
March 7	Insurance Industry Update
April 22	Joint Symposium/Seminar—International Codes and Standards
May 2	Green Power Hazards, FM speaker.
June 13	Annual Meeting—The Changing View of Protection for Data Centers.

Associated fire Protection

ROLAND STRATEN, P.E.

100 Jackson Street
Paterson, NJ 07501
(973) 684-7250 Ext. 150
Fax: (973) 684-4511
rstraten@atpfire.com



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SLICER & ASSOCIATES
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Mobile 973-493-0369
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Member – SFPE & NFPA sargeslicer1@myibocs.com



Associated Consulting Engineers, P.C.
A Professional Corporation

Robert E. Murray, P.E.
President

214 Clarke Avenue, South Plainfield, New Jersey 07089
(908) 755-5001 Fax (908) 755-5007 Email rmurray@acefirepros.com
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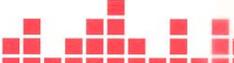
J.M. Cholin Consultants, Inc.
Fire Protection Engineering and Consulting Services
101 Roosevelt Drive, Oakland NJ 07436 USA
Telephone: 201-337-8621 • Fax: 201-337-5603
jmc@jmcholinconsultants.com • www.jmcholinconsultants.com

Edward B. Armm, SET



ROLF JENSEN & ASSOCIATES, INC.
FIRE PROTECTION CONSULTANTS

360 West 31st Street
Suite 900
New York, NY 10001 USA
www.rjainc.com
+1 212-695-6670
Fax: +1 212-695-6671
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jburge@oliversprinkler.com

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:** January 3, 2011
- Place:** Hanover Manor
16 Eagle Rock Avenue
East Hanover, NJ
- Price:** \$30.00
- Dinner:** 5:00-6:00 (Cash bar for mixed drinks)
Dinner at 6 PM
- Topic:** New FM Approved Tyco Pressure Reducing Valve, Raven Institutional Sprinkler System, and the RCP-1 Residential Dry System. Speaker: Drew Slocum, Regional Territory Manager, Tyco Fire Suppression & Building Products

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
vicki.serafin@affiliatedfm.com

OR PAY AT THE DOOR

NAME: _____

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Richard Ravaoli
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Vicki Serafin, Chairperson

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John Cholin, Chairman

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Dave Gluckman, Chairman
Glenn Dietz
Chuck Gandy

Scholarship Fund

Chuck Gandy, Chairman
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Mike Machette
Alternates: Rich Reitberger, Jim Tolos

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Joe Janiga, Chairman
John Warnet

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Rich Reitberger, Chairman
Nicole Smith

Historian

Jim Tolos

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Ana Crisostomo—Coordinator
Mailing/Automation/e-mail—Vicki Serafin, Chairperson
Website—Joe Janiga
Facebook & Twitter Coordinator—Todd Vazquez

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Chapter Seminar/Field Trip

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Legislative

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Vinnie Fichera
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Dave Kurasz

Finance

Rich Reitberger - Chairman
John Cholin
Bob Murray

HELPFUL LINKS

ADAAG <http://www.access-board.gov/adaag/about/index.htm>

AFAA National <http://www.affaa.org/>

AFFSA <http://www.firesprinkler.org/>

ANSI <http://web.ansi.org/>

ASHRAE <http://www.ashrae.org/>

Campus-Firewatch <http://www.campus-firewatch.com/>

Coffee Break Training <http://www.usfa.dhs.gov/nfa/coffee-break/>

CPSC <http://www.cpsc.gov/>

CSAA <http://www.csaaul.org/>

Municipal Codes (E Codes) <http://www.generalcode.com/Webcode2.html>

FDNY <http://nyc.gov/html/fdny/html/home2.shtml>

FM Global <http://www.fmglobal.com/>

FSDANY <http://www.fsdany.org/regs.htm>

FSI <http://www.firesprinklerinitiative.org/>

FSSA <http://www.fssa.net/>

Fire Tech Productions—Nicet Training (FTP) <http://www.firetech.com/>

Home Fire Spklr Coalition <http://www.homefiresprinkler.org/>

HVAC Bld. Control Fire Safety <http://www.iklimnet.com/hotelfires/hotelfiresmain.html>

AFAA-NJ <http://www.affaanj.org/>

International Code Council - <http://www.iccsafe.org/>

International Code Council Residential Sprinkler Exam - http://www.iccsafe.org/news/nr/2009/0709_ResidentialSprinklerExam.pdf

The Joint Commission (JCAHO) - <http://www.jointcommission.org/www.JointCommission.org/>

Material safety data Sheets (MSDS-OSHA Site) - <http://www.osha.gov/SLTC/hazardcommunications/index.html>

National of Fire Equipment Distributors (NAFED) - <http://www.nafed.org/index.cfm>

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