



FIRE BUCKET



March 2019

A publication of the Central Ohio Chapter of the Society of Fire Protection Engineers

SFPECOC.Webs.com

Next Meeting

Date: Wednesday, March 13, 2019

Location: Spaghetti Warehouse – 397 West Broad St. Columbus, Ohio 43215



Speaker: John Finefrock – Flotronix Corp. (Firetrol)

John will discuss the difference between electric and diesel fire pump panels, starting methods, settings and sensing lines.

Time:

Registration 11:15 – 11:30 am
Lunch at 11:30 am
Program 12:15 pm

Cost: \$20.00 (Members)
\$25.00 (Non-members)

Contact: Mike Lyons
mlyons@d8fire.com
614-207-7590

Reservations Deadline: March 8, 2019, 4:00 P.M.

Please Note: All who attend, including pre-paid members, must make a reservation and check-in with John Falk, before being seated.

If you want to order something other than what's on our set menu options, or add

something from the menu, you will have to pay the additional cost.

You can now prepay meeting charges with a credit card by going to the following [webpage](#):

Future Meetings

May 8 – Chapter Meeting
June 7 – Phil Gentile Golf Outing – Details to come out soon!

Burn Center Outing – New Venue

We have decided to change venues for the 2019 Burn Center Outing. This year's outing will be held at The Medallion Club at 5000 Club Drive in Westerville, Ohio. The Medallion Club has 27 holes that will allow us to expand the number of participants in the outing. In recent years, we have sold out the outing with a total of 144 golfers. Adding 9 more holes will allow us to add more players and spread out over the 3 courses.



As we announce earlier, this year outing benefit the burn centers at both the OSU Wexner Center Hospital and at the Nationwide Children's Hospital. The two burn centers often work together to assist in patient care. We feel that partnering with Nationwide Children's Hospital is a great way to expand the benefit of our donation.

We will have more information and open up registration later this spring.



Benefiting



[Historic Marcal Paper plant destroyed by fire as iconic red sign, brick building collapse in massive blaze](#)

[Source: NJ.com](#)

[‘Amazing’ no one hurt battling 10-alarm fire that devastated iconic building](#)

The [Marcal Paper Plant](#), a battleground against numerous small and not-so-small fires over the decades, was mostly destroyed Wednesday night as a massive blaze tore through the historic factory on the Passaic River in Elmwood Park.



Despite the efforts of hundreds of firefighters in below zero wind chills, the plant’s large red sign, [a North Jersey landmark for decades](#), collapsed along with the iconic red brick building the held it aloft alongside Route 80 for millions of passing motorists throughout the years.

By midnight, Elmwood Park Police Chief Michael Foligno told NorthJersey.com the fire had mostly been brought [“pretty much under control](#), burning at ground level.”



[Massive blaze at historic Marcal Paper plant turns building into charred wreckage](#)

The Elmwood Park neighborhood that forms a semi-circle around the 45,000 square plant found itself inundated with falling paper embers and choking smoke as firefighters ordered the evacuation of several homes. Traffic slowed to a crawl on Route 80, with one motorist reporting on Twitter that the temperature gauge in his car spiked by about 50 degrees as he passed the plant, an indication of the intensity of the fire.

A plume of smoke from the massive fire could be seen on radar as far away as the South Shore of Long Island, as video after video from the scene showed flames shooting from the roof of the 86-year-old plant, and explosions of propane tanks could be heard. No injuries were reported.

Firefighters were unable to bring the blaze under control because of the weather, and that it was being allowed to burn itself out. Temperatures dropped to nine degrees in Elmwood Park as of 9 p.m., with a wind chill of minus-16.

Embers spread to several nearby homes, resulting in small fires that were quickly extinguished. Likewise, smoldering embers landed on the roof the municipal building and were doused by firefighters



A string of homes closest to the fire were evacuated, he said, and the town opened a warming center at the borough recreation building.

The cause of the fire was still under investigation Wednesday night.

Rob Baron, President and Chief Executive Officer of Soundview Paper Company, which now runs Marcal, said none of the 200 employees working at the facility at the time of the fire were injured.

“The full extent of the damage to our facility is not yet known, but we know the impact will be incalculable to the lives of our dedicated workers and our business as a whole,” Baron said in a statement. “Our top priority in the coming days and weeks will be to support our associates at Marcal whose lives will be directly impacted by this disaster.”

The plant was founded by papermaker Nicholas Marcalus in 1932, who [came to the United States from Sicily as a teenager](#) and went on to hold dozens of patents, and was taken over by his son Robert in 1979. He operated the family-owned plant until 2008, [and died in 2014](#).

The firm grew to more than \$200 million in annual sales of paper towels and other products [made entirely from recycled fiber](#), most of which were sold in the Northeast.

Soundview Paper Company, is owned by private investment firm [Atlas Holdings](#) of Greenwich, Connecticut.

The site has a long history of fires [including a 2017 blaze](#) where over 100 firefighters extinguished a 5-alarm inferno at the plant.

Crews [were able to contain a 2014 fire](#) that started in an exterior storage area where the company keeps recycled bales of paper.

On Jan. 9, a small fire was reported on the roof the building, but it was brought under control in about two hours.

[Ocado warehouse fire in Andover finally out](#)

[Source: BBC](#)

A huge blaze at the Ocado warehouse in Hampshire which stretched over four days has come to an end.

The online supermarket apologized to residents and customers affected by the fire, which started on Tuesday.

Nearby homes were evacuated on Wednesday amid fears a three-ton cylinder of toxic ammonia gas might explode.



Residents were allowed to return on Thursday after the gas was removed but crews spent a third night at the site.

The cause of the fire is not yet known.

Hampshire Fire and Rescue Service group manager Neil Cooper thanked colleagues, including those from brigades in Oxfordshire, Dorset and Wiltshire, Royal Berkshire and Hertfordshire, for the "commitment and professionalism in dealing with a complex operation in incredibly challenging circumstances".

On Friday morning, the service said about 10 firefighters remained at the warehouse on Walworth Industrial Estate but at 16:00 GMT it said the incident had "come to an end" and the site had been "handed back to the owners".

About 100 residents were moved on Wednesday night and a 500m exclusion zone set up after the blaze unexpectedly escalated late that afternoon.

At the height of the fire, more than 300 firefighters worked to tackle the flames.

Four firefighters were treated for minor smoke inhalation, but no Ocado staff were injured.



A fundraising page set up for all the crews involved has already raised more than £900.

The fire was declared a major incident by the fire service on Wednesday afternoon after it escalated

Shares in the company have dropped 14% and the firm said it expected a fall in sales until it could shift operations to other warehouses.

More than 30,000 orders - 10% of Ocado's capacity - are processed by robots at the Andover warehouse each week, but Ocado has not yet given any detail about what the impact will be to customers.

It said: "We apologize to all those affected by this incident and are very thankful to the people of Andover for their understanding and support during this difficult period."



[Click here](#) for additional footage of the fire.

[Click here](#) for news coverage of the fire.

Inside A Warehouse Where Thousands Of Robots Pack Groceries

[Source: BBC](#)

[Click Here](#) for a video of the operations inside this high tech warehouse.



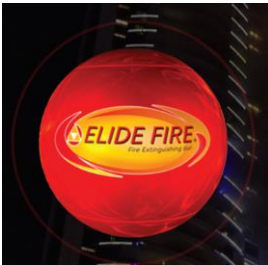
Editors Comments:

There are many theory's floating around the internet as to what happened. It is reported that the building was built to FM Standards. In fact, [Ocado Engineering was awarded the FM Global Highly Protected Risk \(HPR\) award](#) for the sprinkler system at its Customer Fulfilment Centre (CFC) in Andover.

So what happened? There is a lot of discussion of the [firefighting efforts being hampered by the movement of the robots](#). However, Ocado claims the robots shut down upon a fire alarm. Regardless, firefighting inside this type of storage arrangement would be very difficult. It was reported that it took several days for the fire department to extinguish the fire. One theory is that the sprinkler protection controlled the fire. However, the fire continued to burn because the fire department could not get to the base of the fire to extinguish it.

Have You Seen This

Elide Fire has created a fire extinguishing ball. Just throw it at the fire and it will extinguish it.



[Click Here for their Website and Video](#)



Fire Protection Engineering Professional Engineer 2020 and Beyond
[Source: SFPE](#)



The “PE” designation for professional engineers is of high importance to fire protection engineers, especially those working in the United States. This license is one way in which a person’s competence in their field, in this case fire protection engineering, is known to others.

Becoming a professional engineer does not happen overnight. There is education and experience requirements, along with successful completion of the fundamentals of engineering (FE) exam, that a candidate submits to their professional licensing board to be approved to take the examination. Upon meeting the education and experience requirements and passing score of the examination, the licensing board will issue that person a professional engineering (PE) license.

The examination component of acquiring a PE license is handled by the National Council of with assistance from the Society of Fire Examiners for Engineering and Surveying (NCEES, www.ncees.org) Protection Engineers for the fire protection engineering exam. The largest part of this assistance is through the members that serve as part of the Committee on Professional Qualifications: PE Exam Development Subcommittee as special experts for the fire protection engineering material. In the last couple of years, NCEES has made efforts to bring all of the professional engineering exams into a computer-based testing (CBT) format. This has resulted in some changes to the process for developing the examination.

Computer-Based Testing – Fire Protection Engineering PE

The current format of the professional engineering examination for fire protection engineering is termed a pencil and paper format. It consists of 80 multiple choice questions that the candidate has to answer. It is only offered once a year at the end of October.

2019 will be the last time the fire protection exam is offered in this manner.

2020 will begin the computer-based testing (CBT) for the fire protection engineering exam. There will be a few changes associated with this transition to a computer format. First, the exam will be 85 questions. Participants will have 30 additional minutes for taking the exam due to the additional questions. Seventy (70) of the questions will be “live” items and be part of the examinees final score. Fifteen (15) of the questions will be pre-test items, to determine if the questions can be used on future exam administrations. The candidates will not know which questions are the pre-test items.

Another new feature of CBT is the alternative question formats. For many years now the exam has been strictly comprised of questions with 4 possible answers and only one of them being correct. There will still be these multiple-choice type questions, but there will be other styles too. These include matching, fill-in the blank (numerical), multiple answer, and hot spot/area. This will allow for the testing to focus more on comprehension and measuring the competency of the candidate. There is more information about the computer-based testing and alternative question types at the NCEES Exam Preparation Materials webpage.

[Click here for more information.](#)

[Columbus Neighborhoods: Driving with Darbee - Central Ohio Fire Museum](#)

[Source: WOSU](#)

At one time, fires were a dreaded part of daily life in Downtown Columbus. Find out how firefighting has changed through the centuries and lessons we can still learn from the well-preserved artifacts at the Central Ohio Fire Museum. [Click here for a video about the museum.](#)



[Fire Department Posts Photos of What Happens When You Park in Front of a Hydrant](#)

[Source: CBS News](#)

ANAHEIM, Calif. – Anaheim police and fire officials issued a warning to drivers after firefighters ran a hose through the window of a car that was parked in front of a hydrant as they battled a blaze on Tuesday morning. Crews were dispatched to the 100 block of North West Street to battle the residential fire. When they arrived at the scene, they discovered a car parked in front of the hydrant, according to the Anaheim Police Department. Firefighters then broke out the car’s back windows and ran the hose line through it, police said.



Anaheim Fire and Rescue tweeted out photos of the damaged car, which was parked in front of a red curb, along with a warning to never park in fire lanes.

“Ever wonder what happens when a car is parked in front of a fire hydrant and a fire breaks out? Is a closer parking spot worth the broken windows and the citation and towing fees to @AnaheimPD?” the tweet read.

Web Links

SFPE Central Ohio Chapter
www.sfpecoc.webs.com

Society of Fire Protection Engineers
(National) www.sfpe.org

American Fire Sprinkler Association
www.firesprinkler.org

ICC Website
www.iccsafe.org

National Fire Sprinkler Association
www.nfsa.org

N.I.C.E.T.
www.nicet.org

Ohio State Fire Marshal
www.com.state.oh.us/sfm

OSU Fire Safety Website
www.firesafety.osu.edu

Underwriters Laboratories
www.UL.com

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Society of Fire Protection Engineers
Central Ohio Chapter

**APPLICATION FOR MEMBERSHIP IN THE
CENTRAL OHIO CHAPTER OF SFPE**

NEW

RENEWAL

NAME _____

COMPANY _____

ADDRESS _____

PHONE NUMBER _____

E-MAIL ADDRESS _____

NOTE: We will be sending out all Chapter information via e-mail.

ARE YOU A NATIONAL MEMBER IN SFPE? YES NO

Annual dues for the Central Ohio Chapter of SFPE are \$20 and \$10 for Retirees. You can pay a single/one-time fee and receive ALL five of the regular scheduled chapter meetings and your local membership dues all for ONLY \$100.00. This is a savings for the year of \$20.00. You must pay the full \$100.00 with this membership application or renewal to take advantage of this new program. Membership in the Chapter includes the member fee for meetings, and a subscription to *The Fire Bucket*, our Chapter's Newsletter

PLEASE MAIL APPLICATION TO: John C. Falk, Sr.
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Westerville, OHIO 43082
Jcf_sr@yahoo.com

Please make check payable to *Central Ohio Chapter, SFPE*. Applications can be submitted at the next meeting. Please complete a new application every year, so we can keep our database current. Dues run from September 1st to August 31st of each calendar year.