



**State of Connecticut
Department of Emergency Services & Public Protection
Commission on Fire Prevention and Control**

- 1. Aerial Tactics**
- 2. Post Incident Analysis Program Survey**
- 3. Ansonia FD Past Chief Testimonial for Scott Trembley**
- 4. Executive Fire Officer Survey**
- 5. Terryville FD 1st Annual BBQ**
- 6. Bethlehem Firefighters Association's 12th Annual Golf Outing**
- 7. 2017 Boating Safety Course Sponsored by Gardner Lake Vol. Fire Company**
- 8. Near Miss Report of the Week**
- 9. USFA Residential Fire Reports**

1. Aerial Tactics

Openings available in the two-day Aerial Tactics class at the CFA on June 24 and 25.

Class will cover, in detail, general aerial safety issues, rescue priorities, ventilation operations, elevated master streams and general aerial use in both emergency and non-emergency situations. Topics include: basic tactical options for aerial use and limitations, apparatus placement, stabilization systems, and elevation. Students will review the major responsibilities of an aerial apparatus operator including; positioning, spotting, and staging apparatus for incident operations. Hands-on exercises will reinforce recommended safe practices in the areas of raising, rotating and extending an aerial device, ladder tip placement for various situations and operating aerial master streams.

Tuition is \$90, course number 17201

Link to registration form http://www.ct.gov/cfpc/lib/cfpc/CFA2017_Application.pdf#51848

2. Post Incident Analysis Program Survey

I am running a survey to gather research information on Post Incident Analysis programs for an Executive Fire Officer Program Applied Research Project. If you have a moment I would greatly appreciate it if you could fill out this brief 10 question survey.

<https://www.surveymonkey.com/r/YC6222H>

3. Ansonia FD Past Chief Testimonial for Scott Trembley

There is a Past Chiefs Testimonial planned for Scott Trembley of the Ansonia Fire Department. There is a Luau theme for the event scheduled for June 24th 5pm at the Colonial Tavern in Oxford. Tickets must be purchased by June 20th. \$60 per ticket. Contact Assistant Chief Jay Fainer 203-410-3139 or jayfnrch4@att.net.

4. Executive Fire Officer Survey

I am conducting research on a first year Executive Fire Officer ARP on the cost/benefit of a volunteer live-in residency program. The link is attached to the survey. <https://www.surveymonkey.com/r/RVKNXWZ>

5. Terryville FD 1st Annual BBQ

Terryville FD station 1 first annual smoker June 24th all the information is on the attached flyer.

6. Bethlehem Firefighters Association's 12th Annual Golf Outing

Bethlehem Volunteer Fire Department will be holding it's 12th Annual Golf Tournament on Sunday, June 25th at Fairview Farms Golf Course in Harwinton, CT

12 pm lunch and registration – 1:30 shotgun start

Please see attached for more information and sponsorship information

7. 2017 Boating Safety Course Sponsored by Gardner Lake Vol. Fire Company

Gardner Lake Volunteer Fire Company is sponsoring a Boating Safety Course conducted by the State DEEP Boating Division. The course will be held at Gardner Lake Fire Company 429 Old Colchester Rd (Route 354) Salem on June 20, 22 and 27th from 5:45 p.m. to 9 p.m. Please see the attached for course information and registration.

8. Near Miss Report of the Week

Multiple-Point Attack Creates Hazardous Condition

Summary

Transitional attacks have made a mark on the fire service. For good reason, when water enters the fire area there's usually a noticeable difference. In recent years, the science of firefighting has presented the company officer with tactical tools that were previously considered undesirable. The challenge is to use the correct tool, adequately sized for the task it's intended for.

Event Description

This report has a rich narrative with many interesting elements. I highly recommend reading the complete report. For this article, we focus on the element involving the information surrounding the transitional attack.

“The first arriving unit found a three story, fire resistive (twin-T, tilt-up) constructed multiplex with fire showing from the second-floor window on the A/B corner of the structure, and moderate, non-pressurized, brown colored smoke coming from the second floor C side of the structure.”

The initial attack involved using a booster line, approximately 40 GPM, to extinguish the fire burning on the exterior of the structure, then training the stream into the division-two window on the A/B corner. The officer reported this lasted about 90 seconds. There was no noticeable difference in the fire conditions. The officer stopped the attack when the remainder of the crew were ready to make entry from the landing on the Delta side.

The apparatus operator noted heavier smoke conditions on the Charlie side and notified command that an additional attack line may be required. Command directed a second engine crew to advance another attack line to the division-two entry and assist the first engine company with fire attack.

While making their stretch to the Delta-side entry point, the crew elected to attack the fire showing in the A/B corner transitionally, concurrently while the first engine crew began their attack on the interior. The technique used for the transitional attack was with a smooth bore nozzle; however, the bail on the nozzle was only opened partially, creating a cone of air with the water. This redirected the flow path from an exit to an inflow. The attack was pressed for 20 to 30 seconds before the officer moved the crew to the Delta-side entrance.

Because the flow path was changed, the interior crew experienced rapidly changing conditions with fire rolling over behind them. They were forced to reverse their progress and attack the fire reigniting behind them.

View the Report: [Multiple Point Attack Creates Hazardous Condition](#)

Take-Aways

Communications: The author of the report identified the command channel used was the same channel dispatch uses for logistical reasons. Requesting a separate tactical channel for the incident was the recommendation.

SOPs: Transitional attacks are specific technical procedures. When the attack is pressed correctly, there's little disruption in the flow path and the prospect of cooling the interior space provides a survivable envelope

if someone is trapped in the occupancy. The author noted that the specific policies their department adheres to for transitional attack were not followed.

Training: Understanding how a fire develops is necessary. Being able to influence when and how the fire envelope changes positively was also a key element to the lessons learned by this reporter. The basic recommendation was to complete more live-fire training. Working on the technique needed to accomplish a transitional attack without disrupting the flow path is the most important element.

Discussion

- In this report, the first officer attempted to reset the fire transitionally with no change in fire conditions. The second crew created a dramatic change in fire conditions. Discuss the differences in the two attacks and assess each.
- How can we use the calculations developed for estimating fire flow and apply them to transitional attacks?
- How does your department address transitional attack when the occupancy of the residence is unknown?
- Do you apply the tactic after fire personnel have entered the structure?

The 360 size-up is a vital element to any fire attack. List the reasons for completing a thorough size-up. Discuss the things that can be missed when you don't complete a 360.

Leading Practices

This report details how the initial engine officer spent the first 90 seconds applying 40 gallons per minute into the division-two window. There was no noticeable difference in the fire conditions. By "No change in conditions," we can surmise the ventilation flow path was also unchanged. We could also determine the water flow was insufficient to affect a change in the heat production in the fire room.

Using a fire-flow calculation method, we would have to make a few assumptions about the size of the apartment. The National Fire Academy formula is based on offensive interior operations where less than 50% of a building is involved. Because the transitional attack is from the exterior, we can focus on one room only. Assuming a room size of 12x12, the NFA formula is:

Needed fire flow = [(length x width) ÷ 3] x percent of involvement

12x12=144÷3 X 100% would require 48 GPM to control the fire only in that room. Some success should have been noted, but if the fire were beyond the room of origin, there would be a limited chance for success with that small of a hand line.

When the second attack line applied water through the open window, the report showed an improper technique. Rather than fully opening the nozzle and penciling the ceiling, water flowed in a cone shape, dragging air into the window and blocking the established flow-path exit. This appeared to force heated gasses back onto the interior crew, which ignited and rolled over their head as it exited through the open compartment door.

Studies from the National Institute of Standards and Technology and Underwriters Laboratory have shown how transitional attack can reduce the heat and fire production in a fire building. Additionally, these same studies referenced below show how some techniques can change the flow path, interrupt the thermal

envelope and create a hazard for anyone inside the structure, whether fire personnel or civilian. Using this attack method should be deliberate, technically precise and closely monitored for effectiveness.

Related Near Miss Reports

- [Hoseline Crew Pushes Fire on Another Crew](#)
- [Simultaneous Offensive and Defensive Ops Prove Dangerous](#)
- [Lack of Walk-Around Jeopardizes FFs](#)
- [Opposing Hose Lines Hamper Crews](#)

Additional Resources

- [FSTAR Courses and Training: Education about the Science](#)
- [Impact of Hose Streams on Air Flows Inside a Structure](#)
- [Fire.gov: A collection of resources from the Engineering Laboratory's Fire Research Division at NIST](#)
- [FireRescueMagazine.com: Simple Ways to Determine Your Fire Flow Requirements](#)

<http://www.firefighternearmiss.com/Reports?id=9655>

9. USFA Residential Fire Reports

Three new reports from the U.S. Fire Administration's National Fire Data Center explore the characteristics of residential building fires from 2013-2015, with an emphasis on one- and two-family and multifamily buildings. The reports are available at: <https://www.usfa.fema.gov/data/statistics/reports.html#new>

PLEASE DO NOT REPLY TO THIS EMAIL



JUNE 24, 2017

JOIN US FOR OUR FIRST ANNUAL ALL-YOU-CAN-EAT
BBQ FUNDRAISER BENEFITING THE
TERRYVILLE FIRE DEPARTMENT, STATION 1. BEER,
WINE, AND REFRESHMENTS WILL BE PROVIDED.

\$20/PER PERSON KIDS EAT FREE

AT THE

**POLISH AMERICAN POLITICAL
CLUB**

59 MAKARA STREET TERRYVILLE, CT

2PM-10PM

(860) 940-5097



Bethlehem Firefighter's Association
PO Box 504
Bethlehem, CT 06751
2017



Dear Sir or Madam,

The Bethlehem community and the Bethlehem Fire Department need your support. As you may or may not know, the Bethlehem Fire Department is supplemented by the Bethlehem Firefighters Association. The Association is comprised of active Fire Department members, and its primary goals are to accept donations, and raise funds that can be used to help support our growing department and give back to the community. Thanks to last year's success we recently purchased personal lighting for all firefighters, and Air Bags for rescue and vehicle extrication.

For the 12th consecutive year, the Bethlehem Firefighters Association is raising money through the corporate sponsorship of a Golf Outing to be held on June 25th, 2017. The Golf Outing sponsorship opportunities are as follows:

- Hole Sponsor- \$150.00 a sign indicating sponsorship on one tee for one of the 18 holes.
- Bronze Sponsor - \$500.00 two more distinctive signs indicating sponsorship on tees for two of the 18 holes
- Bronze +4 Sponsor- \$1100.00 two of the more distinctive signs indicating sponsorship on tees for two of the 18 holes and participation as a foursome.
- Silver Sponsor- \$2600.00 two signs indicating sponsorship on tees for two of the 18 holes, signs at the driving range, putting area, and registration table, plus participation as a foursome.
- Gold Sponsor- \$4100.00 The outings name will include the Gold Sponsor's name; banners will be on the clubhouse and the registration table; advertising of the event will include the Gold Sponsor's name as well as any publicity; a representative of the Gold Sponsor can hand out the prizes; and the Gold Sponsor can participate as a foursome.

Sponsorships are due no later than 2 weeks prior to this event. Any detailed questions can be directed to the following members of our committee, Chairman Tom O'Neil 203-528-6646, Clayton Hilpertschauser 203-808-2303, or Ryan Taylor 203-509-9325. Please help us, so that we can help others, by sending your generous tax-deductible sponsorship donation to:

Bethlehem Firefighter's Association
 PO Box 504
 Bethlehem, CT 06751

Best regards,

Chairman, Bethlehem Firefighters Association Golf Committee

Please note on your donation that it is for the BFA Golf Outing, 2017



Please return this portion with your check so we may appropriate your donation correctly.

BFA 2017 Golf Outing Sponsorship Donation

Name:		Address:	
Check #:			
Donation Amount:			

Note: In the case of cancellation due to rain or some other unforeseeable course closure, all sponsorship donations will be refunded in full except for any advertising or signs associated with your level of sponsorship.



2017
BOATING SAFETY COURSE



SPONSORED BY THE GARDNER LAKE VOL FIRE COMPANY
CONDUCTED BY STATE DEEP BOATING DIVISION



HELD AT GARDNER LAKE FIRE COMPANY
429 OLD COLCHESTER ROAD
ROUTE 354 SALEM, CT



5:45PM TO 9:00PM

TUESDAY JUNE 20th,
THURSDAY JUNE 22th,
TUESDAY JUNE 27th.

Completion of this course qualifies the student to
obtain a "certificate of personal watercraft operation".

THERE IS A \$15.00 PER PERSON FEE TO THE
GLFC FOR THIS COURSE.



ONE TIME

STATE FEE OF \$50.00 FOR LICENSE

TO REGISTER FOR THIS COURSE EMAIL:

command27@ymail.com



***** CONSERVATION NUMBER IS NOW REQUIRED FOR ***
THIS COURSE - GO TO:**

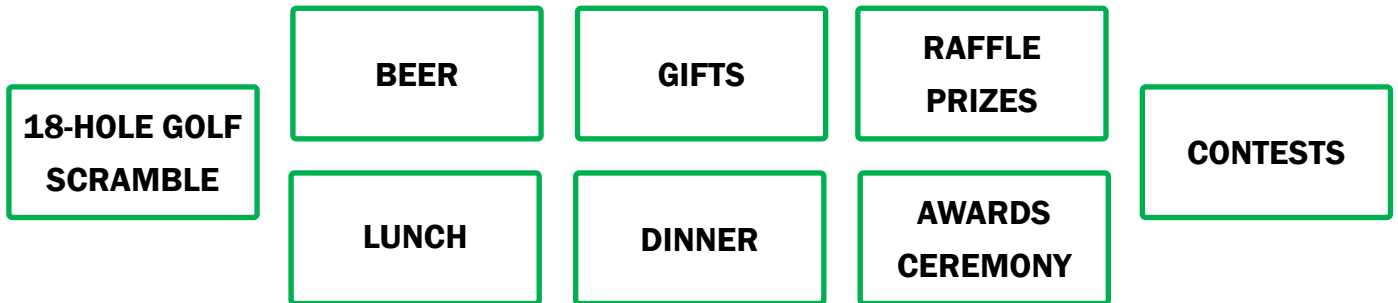
www.ct.wildlifelicense.com/InternetSales/Sales

**Must have this number to obtain boating license, which may
be on your current Hunting or Fishing License.**



ATTENTION:

Bethlehem Firefighter's Association's 12th Annual Golf Outing



WHEN: June 25th, 2017

Lunch & Registration-- 12:00 pm

Shotgun start-- 1:30 pm

WHERE: Fairview Farm Golf Course, Harwington, CT

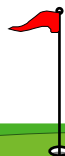
WHY: Benefits Bethlehem Vol. Fire Department

\$150.00 per golfer

Chance to win a vehicle at the 12th-hole (Courtesy of Crowley Chrysler Dodge Jeep Ram)

Chance to win a jetski on the 7th hole (Courtesy of Land and Sea Marine)

To register, please see golfer sign-up sheets!





Bethlehem Firefighter's Association's 12th Annual Golf Outing

To benefit the "Bethlehem Firefighters Association" Special Projects Committee

EVENT INFORMATION

WHERE: Fairview Farm Golf Course

WHEN: Sunday, June 25th, 2017; SHOTGUN

START @ 1:30 PM

- **\$150.00 per golfer**
- Ladies and juniors welcome!
- 18 holes of GREAT golf
- Awards Dinner
- Keg Beer
- Great Raffle Prizes
- A Golfer Gift Bag

Registration and Lunch starts @ 12:00 pm

*NOTES: Scramble Format, Longest Drive Contest for both men and ladies, Straightest Drive, 50/50 Contest, Putting Contest & Closest to the Pins Contest

Hole in One Raffle Vehicle Provided by:
Crowley Chrysler Dodge Jeep Ram

Hole in One Jetski provided by: Land N' Sea
Marine

Please send your
payment AND this form to:

Golf Outing Committee,
BFA, PO BOX 504
Bethlehem, CT 06751

Make checks payable to
BFA.

Please also note on your
check that payment is for the
BFA Golf Outing, 2017.

Golfer #1 Shirt Size: (Women's) S, M, L, XL, XXL, XXXL (Men's) S, M, L, XL, XXL, XXXL NAME: _____ ADDRESS: _____ PHONE: _____	Golfer #2 Shirt Size: (Women's) S, M, L, XL, XXL, XXXL (Men's) S, M, L, XL, XXL, XXXL NAME: _____ ADDRESS: _____ PHONE: _____
Golfer #3 Shirt Size: (Women's) S, M, L, XL, XXL, XXXL (Men's) S, M, L, XL, XXL, XXXL NAME: _____ ADDRESS: _____ PHONE: _____	Golfer #4 Shirt Size: (Women's) S, M, L, XL, XXL, XXXL (Men's) S, M, L, XL, XXL, XXXL NAME: _____ ADDRESS: _____ PHONE: _____

Bethlehem Firefighters Association Golf Outing Bethlehem Firefighters Association's 12th Annual
Golf Outing, 2017

QUESTIONS? Please call: **Tom:** 203-528-6646, **Ryan:** 203-509-9325, **Clayton:** 203-808-2303

NOTE: If in the unlikely event that the tournament is cancelled your registration fee will be returned. Please make sure your addresses and names are legible.

PAST CAPTAINS DINNER

In Honor Of Past Chief
SCOTT TREMBLY

Saturday, June 24th

Luau Dinner w/Open Bar



5pm Arrival:

Premium Bar, By Tab, Soda,
Lemonade, Iced Tea
Coffee & Hot Tea
Fresh Fruit Kabobs, Assorted
Cheeses w/Crudité
& Pepperoni
Grilled Pineapple Shrimp Scures

6:30pm Dinner

Rost Suckling Pig, Garlic Rub
Grilled Sweet & Sour Chicken
Breast, Baked Potato Station,
Stir Fry Seasonal Vegetables,
Mixed Green Salad, Cole Slaw

8:30pm

Coconut Pineapple Cake

\$60 PER TICKET

Tickets In Advance Only

COLONIAL TAVERN
24 Hawley Lane, Oxford

Contact...

Jay Fainer: 203-410-3139
Tony Spigarolo: 203-545-0490
or any member