

# The **REACT**<sub>er</sub>

The Official Publication of *REACT* International, Inc.

June 2018

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# Amateur Radio



## CQ the Active Ham's Magazine

**CQ is the magazine for active hams, with a focus on the practical. Every article is clearly written and aimed at involving you, the reader... whether it's a story of operating from some exotic location, an article to deepen your understanding of ham radio science and technology, or a fun-to-build project that will have practical use in your ham shack.**



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**CQ Communications, Inc.**

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# A Word from the Editor

Will Stanley, Editor, The *REACTer*

Ok, let's talk training.

Training is absolutely essential for *REACTers* who want to be professional. Now I know there are a lot of *REACTers* out there who just want to be people who talk on their radios and help their communities with parades and other types of sporting and civic events and that is just fine.

It doesn't make a bit of difference if you use a CB radio, GMRS, FRS, Ham or Commercial... if you think it's a possibility that you might work with other groups, then training is something you want to do. It is necessary for all communicators to be using the same procedures.

In the past, back when *REACT* was first getting started, it didn't matter so much if *REACTers* used the same procedures as local law enforcement and other groups. But today, in a very much more complicated world, that training is invaluable.

It's free and most courses come with college credits. So take those courses! Improve yourself and become a better communicator. If you're looking to appear more professional to your local law enforcement, then training is your key!

The courses are available on the Training tab at [www.reactintl.org](http://www.reactintl.org).

Training... it's for everybody!

The *REACTer* (ISSN 1055-9167) is the official publication of *REACT* International, Inc., a non-profit public service corporation.

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Editor

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***Your article and photo submissions are vital to our success! Articles, high resolution photos and inquiries about advertising in The REACTer can be emailed to: editor@theREACTer.com***

The *REACTer* magazine is available and open to all interested persons at: [www.thereacter.com](http://www.thereacter.com)

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Unless otherwise specified, photos are from the *REACT* Team featured in the accompanying article or from *REACT* International

MINUTES  
REACT International Special Board Meeting  
March 1, 2018

The meeting was called to order at 9:02 p.m. Eastern Time via teleconference, by Chairman Capodanno. Roll call was taken by Chairman Capodanno, Minutes Taken via Recording Secretary Misetich

**Directors:**

R1 – Vacant  
R2 – Thomas Currie – Absent  
R3 – Joe Zych – Present  
R4 – Vacant  
R5 – Larry Fry – Present  
R6 – Russ Dunn – Present  
R7 – Jerry Jones – Present  
R8 – John Capodanno – Present  
R9 – Ravindranath Goswami – Absent

**Officers:**

President – John Capodanno - Present Executive  
Vice President – Jerry Jones – Present  
(9:17pm)  
Secretary – Matthew Misetich - Absent  
Treasurer – William Richards - Present  
  
Guests Present: Matthew Boudreaux, Will Stanley, Jeremy Barrett, Walter Green, John Mahon, Warren Deitz, Brian Van Meter, Chuck Thompson

It was confirmed that a Quorum was established.

**Agenda (Item 1)**

Director Capodanno moved to accept the agenda, second by Director Zych.  
R3-Y R5-Y R6-Y R8-Y Motion Passed.

**Announcements (Item 2)**

Received Mr. Davidson Region 4 resignation letter February 25, 2018 Received Illinois Secretary of State Letter of Good standing. Four logos have been received for the 60yr logo contest.

**Meeting minutes (Item 3)**

Director Zych moved to approve the minutes from January 22, 2018, second by Director Dunn.  
R3-Y R5-Y R6-Y R8-Y Motion Passed.

**Membership Committee Nomination (Item 4)**

Director Capodanno moved to nominate Director Goswami to the membership committee, second by Director Zych.  
R3-Y R5-Y R6-Y R7-Y R8-Y Motion Passed.

**Training Presentation (Item 5)**

For the Training Committee Walter Green reported that 3 new courses have been added since the Annual Board Meeting, and that 11 members from 6 teams have completed 36 courses for a total of 98 training hours since August. Training for credentialing Base Station Type IV Teams is now available, and Communications and Message Team training courses should be complete in April. ALERTEX 2018-A demonstrated our ability to transmit a message on the Traffic Net on Zello, pass that message to Radio Relay International's traffic system, deliver it across the country, and return a reply to us in 36 minutes. Thirteen Teams participated in ALERTEX, but our challenge is now to convert those Teams that only read the messages into Teams that are an operational part of the system. We identified the need to develop an Incident Management Team to handle the growing workload in alerting and coordinating information flow. Expect a new series of just-in-time training job aids to make it easier to use our online reports.

**Donation for ad space (Item 6)**

Director Dunn moved to grant Romeo Power up to a full-page ad in the REACTer until the end of the year for product donation, seconded by Director Zych.  
R3-Y R5-Y R6-Y R7-N R8-Y Motion Passed.

**Next Meeting (Item 7)**

March 29, 2018. 9:00 p.m. EST. via teleconference.

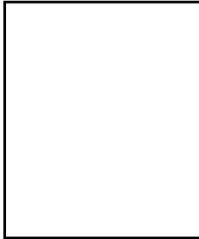
**Adjournment (Item 8)**

Director Dunn moved to adjourn at 9:45 p.m. EST, second by Director Zych.  
R3-Y R5-Y R6-Y R7-Y R8-Y Motion Passed.

*Respectfully submitted,  
Matthew Misetich, Secretary*



# Board of Directors



**REGION ONE**  
Position Open



**REGION FIVE**  
Larry Fry  
Wisconsin  
l.fry@reactintl.org



**REGION TWO**  
Thomas Currie  
Kentucky  
t.currie@reactintl.org



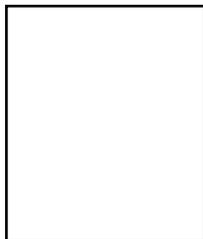
**REGION SIX**  
Russ Dunn  
Idaho  
r.dunn@reactintl.org



**REGION THREE**  
Joseph Zych  
Tennessee  
j.zych@reactintl.org



**REGION SEVEN**  
Gerald Jones  
Texas  
j.jones@reactintl.org



**REGION FOUR**  
Position Open



**REGION EIGHT**  
John Capodanno  
California  
j.capodanno@reactintl.org



**REGION NINE**  
Ravindranath Goswami  
Trinidad/Tobago and outside US  
r.goswami@reactintl.org

meet **OUR**  
OFFICERS

# *REACT* International, Inc., Officers



John Capodanno  
President  
California



Jerry Jones  
Executive VP  
Texas



Matt Misetich  
Secretary  
California



Will Richards  
Treasurer  
California

**ATTENTION**  
**ALL REACT MEMBERS**  
**AND**  
**ALL HAM OPERATORS**



**YOU ARE INVITED TO JOIN US**  
**ON THE**  
**REACT INTERNATIONAL**  
**WORLD WIDE NET**  
**EVERY TUESDAY AT 9 PM ET**

Contact [nets@reactintl.org](mailto:nets@reactintl.org)  
for details on how to  
get on the net.





# NEWS FROM THE FRONT LINES

## Los Angeles County *REACT* (California)

Submitted by John Capodanno

On Sunday, April 29th, Members of Los Angeles County *REACT* assisted with the Annual Finish The Ride event.



The ride began at 6 a.m. and finished at 2 p.m. Even though there were 4000 - 5000 riders participating, Laco*REACT* reported there were zero incidents.

Finish the Ride was started in the spirit of courage and determination to overcome tragedy despite insurmountable odds. It is a movement, which has been heard around the world, to stop the epidemic of hit and run crimes and make the streets safer for all road users.

Those who participate in Finish The Ride sometimes do so after their own personal tragedy or in the name of others. No matter who or what they participate for, every participant helps to prevent further loss of life due to traffic fatalities — one of the leading causes of death in

the United States. (from <http://www.finishtheride.org/about-ftr>)

Primary functions for the Team was supervision of the CERT members who were providing first aid services as well as route safety and communications for the event. Laco*REACT* member John Capodanno assisted the event planners with setting up the route.



Laco*REACT* member Brian Van Meter performed quantity control (2 drinks per person) as well as age checking for admission to the Beer Garden.

The origin of this event can be found at:

<http://www.finishtheride.org/about-ftr/#origins>

On Sunday, May 6, the Team also assisted with the 2018 Verdugo Hills 10K run.

Produced by the City of Glendale's Community Services & Parks Department to benefit the Glendale Parks & Open Space Foundation The course begins in beautiful Brand Park, climbs steadily to one of the highest points in the Verdugo Mountains, and then heads back

downhill for a fast descent to the finish. Breathtaking views of the L.A. Basin, the San Fernando Valley, and the Pacific Ocean await you at every turn.



From the race's highest point, at 2,670 feet above sea level, the panoramic view of the San Gabriel Mountains is truly spectacular.



*Gauge was definitely having a good time!*

More than 800 runners participated. LacoREACT had 8 members assisting with the event. Member John Capodanno assisted the event planners in route setup.

On May 20, the Team assisted with the "In Memory of Paul" Car Hangout event in Los Angeles (Santa Clarita). The event benefits the Reach Out World Wide organization created by Paul Walker, star of "The Fast and The Furious" movies.

For information of Reach Out World Wide, click this link:

<http://www.roww.org>

For information on the "In Memory of Paul Car Hangout", click this link:

<https://inmemoryofpaul.com>



Members of LacoREACT (Matt Misetich, John Capodanno, Brian Van Meter and Ray Lum) along with approximately 300 other volunteers, worked the front gate area, the VIP area, the car parking area and much more, assuring the event would be a success.

Attendance of the event was estimated at over 10,000 people. Tickets were being sold at the front gate up until about 10 minutes until the end of the show.

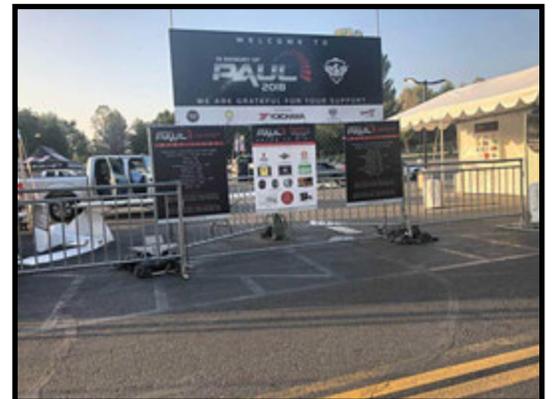


Paul Walker, who perished in a tragic car crash in November 2013, starred in The Fast the Furious movies, but also had a long list of accomplishments as an actor, beginning with being the original Pamper's baby!

The In Memory of Paul event began at 10 a.m. and closed at 3 p.m. on Sunday May 20. All proceeds went to support Paul's Reach Out World Wide organization that he began to help in major disasters and crises.

An interesting item to note... there were fifty pizzas that were left over after the event, and volunteers took them out to feed them to homeless people!

Nicely done.



## Oklahoma County *REACT*

(Oklahoma)

Submitted by Dale Ellis

Members of Oklahoma County *REACT* underwent refresher training in First Aid at a recent meeting. In this photograph, Debra Wagner, City of Moore Deputy Emergency Manager demonstrates full body assessment on Harry Goodman, Vice-President of the Team.



Photo by Jon Yingling

## Cleveland County *REACT*

(North Carolina)

Submitted by Jay Flora



Cleveland County *REACT* has been keeping busy assisting the Shelby Police Department with various tasks and assignments. We recently help with pedestrian safety at the Relay for Life 2018 event, where we alternated with local officers in making sure people crossing the highway to the event were doing so safely. This photo shows CCR member Sam (R5) manning his post at one of the crosswalks.

Other things we did were to provide additional traffic assistance at several accidents and crashes in the area. The Team stays busy helping the local police and they always tell us how grateful they are for our help.

We are always glad to be there for them and for our community!

# SUBMITTING TEAM NEWS

Is **EASY!**  
Just follow this  
guideline...

**NAME** of Person Reporting—  
**TEAM NUMBER— TEAM LOCATION**

**DESCRIPTION** of **ACTIVITIES**  
(Who, What, Where, When, Why,  
and How)

Provide this info for each event in  
your report

**INCLUDE PICTURES**

attach them to your email

don't send .PDFs

(Caption: **WHO, WHAT** and **WHERE**  
each picture shows)

**NAME** of Photographer

**SEND** the entire report

(with pictures attached) to:

**EDITOR@THEREACTER.COM**

# SEE HOW EASY

# THAT WAS?





# From The Corner of the Room

Joe Zych, *REACT* WW Net Coordinator  
Region 3 Director

Well, it's June. We wanted warmer weather and we got it! Be careful what you wish for!

My wife and I just completed the Monitoring course offered by *REACT*; it was extremely interesting and I encourage everyone to take this course to learn more about radio communication.

Walter Green does a fantastic job on putting all this material together and it is very interesting. The ECOMM course is very informational about *REACT*; the do's and don'ts. We completed that last year.



People... training is so important! It will be very soon that you will not be allowed on a scene or accident site if you do not have the proper training! You need to be part of the solution, not be part of the problem. In simple words, if you go to a disaster and you are not trained in hazardous material and you are exposed now the numbers have increased.

It's like you see these people smoking a cigarette by the gas pump; it makes you want to go over and tell them if they want to blow up their family, it's their business, but not to endanger other families because they're just plain stupid!

Remember they do not teach common sense in school anymore. Training is another certificate for your wall and these training certificates will help you in other ways. They can be part of your qualifications that might open that door a little more for you to get a job.

There are many courses to choose from; encourage your team members to get trained! You can sit and watch or you can be trained to get in there and help.

I would love to see a team in the *REACT*er holding up their training certificates. This would be a good picture!

Until next month, July, is it that time of year again. Our team works a big event for the city; it's a long day but *REACT* is always there. Now the Chamber of Commerce calls us to help!

Everyone be safe, see you on the net, (well hear you on the net) Tuesday nights 9:00 p.m. Eastern or if you are not a ham listen to us on Broadcastify.

*Editor's Note: I can attest from personal experience that Joe is right on the possibilities of your getting a job or a better job through your REACT training. A member of our Team in Nebraska was hired as the Region 5/6 Civil Defense Director based exclusively on his prior training that he got through REACT/FEMA/Red Cross. So, it is possible!*

# TRAINING FOR SUCCESS

**WORLDWIDE REACT INTERNATIONAL**  
**ZELLO NET**

*PLEASE JOIN US EVERY SATURDAY NIGHT AT  
8 PM EST (UNTIL DAYLIGHT SAVINGS TIME BEGINS)*

*ON THE*

***REACT MEMBERS***

**ZELLO CHANNEL**

***ALL COMMUNICATORS ARE WELCOME***

NO LICENSE IS REQUIRED.  
USE YOUR INTERNET-CONNECTED COMPUTER OR  
SMARTPHONE.

Zello is available from <http://zello.com>



Download the Zello Walkie Talkie app for your platform. Create an account with a username (e.g. call sign) and password, then, add the **REACT MEMBERS** channel. Press the Push-to-Talk button to transmit.

**VOLUNTEER to be a NET OPERATOR!**



# Headlines



## The *REACT*er joins Newsline

The *REACT*er is now available on NFB Newsline, the National Federation for the Blinds' periodical service. *REACT* International has begun uploading The *REACT*er to the service so our visually impaired members and friends will be able to enjoy reading it also.

For information on the National Federation for the Blind, go to the following link:

<https://nfb.org>

## *REACT*er Links fixed

Changes have been made recently to how The *REACT*er is posted for the current issue and will soon be made to the Past Issues, beginning with Sep-Nov 2016.

These changes entail a new way to store the magazine so that the size can be made smaller and yet the links within the magazine remain functional.

Thanks to Irv Kanode of Caldwell County *REACT* (NC) for the tips on which program to look for to accomplish these changes.

Also thanks to John Capodanno, who is the guy who has to actually make the changes. That's a lot of work - 20 issues!

## Senate Votes to Reinstate Net Neutrality Rules



Although it is unlikely to pass the House and President Trump is unlikely to support it, the Senate on May 16th, voted to reinstate the Net Neutrality rules that the FCC declared null and void earlier in the year.

Net Neutrality is a highly controversial issue, with the big Internet providers on the side opposing the rules and nearly everybody else in favor of them.

(From a CNN.com report) Democrats used the Congressional Review Act to force a vote -- a law that allows Congress to repeal agency rules and regulations on a simple majority vote, instead of a 60-vote threshold needed to break procedural hurdles on most

legislation, the kinds of traditional roadblocks where Senate leadership could typically hold up such a proposal.

Senate Minority Leader Chuck Schumer spoke after the vote to begin debate earlier Wednesday, arguing that "at stake is the future of the internet."

This 'tinyurl' link leads to the entire cnn.com article.

<http://tinyurl.com/yb7327x5>

## Long-time *REACT*er sidelined by Mother Nature



Charles A. Thompsen

That wiley ol' Mother Nature can sure be a capricious old gal! We recently received the following letter from long time member Chuck Thompsen, Dallas County *REACT* (TX):

"In December 2017, Charles A. Thompsen (former Dallas County *REACT* President) completed 39 years, 11 months, of perfect attendance at Dallas County *REACT* monthly general meetings. He was looking forward to making that 40 consecutive years in January 2018.

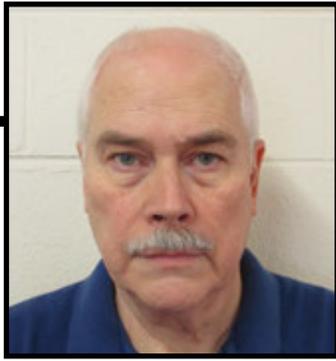
But, it was not to be. On 12 January, he was admitted to Presbyterian Hospital Dallas with a diagnosis of congestive heart failure and missed the 16 January meeting a few days later. He was in and out of the hospital (3 times) and rehab (twice) for the next 3 months and also missed the February and March meetings.

He was, however, sufficiently recovered to be able to attend the 17 April meeting and start anew a string of regular attendance."

Chuck is a friend of the editor and in a separate email, he assures me that he is recovering nicely and getting along just fine, with a few minor restrictions.

Chuck, for myself and the *REACT*er as well as *REACT* members, far and wide, congratulations on your unbroken 39 year streak of meetings and we wish you the best of everything.

That's one heck of a record!



# Training for the Future

Walter Green, Lt. Col., USAF, Retired  
Chairman, *REACT* Training Committee

**HURRICANE SEASON STARTS 1 JUNE:** This is forecast to be an active season. While there are differences between the leading forecasts, the range that we can expect as threats to the United States and the Caribbean is 12-18 named storms, 6-11 hurricanes, and 2-5 major hurricanes (Category III or higher). Coastal teams should have already (1) updated their Team alerting rosters and contact data for supported organizations, (2) reviewed and updated their emergency operations plans, (3) inventoried their equipment caches and replaced outdated supplies or damaged equipment, (4) ensured backup antennas are available, and (5) registered with Radio Relay International and made contact with their identified RRI contact station. Inland Teams – start identifying how you can respond to a request for help from your brothers in *REACT* in coastal areas if they need it. If you need assistance with any of these tasks, we have basic checklists available that may be useful – contact [Training@REACTintl.org](mailto:Training@REACTintl.org).

**REACT TRAFFIC SYSTEM** – To support our own message traffic system we need members who are interested in working with formal emergency messages in a disciplined net environment.

The Traffic System provides alerting and reporting for *REACT* and helps to coordinate assistance if and when you need it. Increasingly the Traffic System is working with other partners to contribute to national disaster communications capabilities. If you are interested, it is hurricane season, we need your participation now, so contact

[Training@REACTintl.org](mailto:Training@REACTintl.org)

**DRAWING:** We are happy to announce that we have secured funding to offer an incentive for members working for Type IV credentialing (I know, I know, you don't need an incentive to boost your emergency communications skills, but here it is). Members who complete Type IV requirements for deployable Communications, Base Station, or

Message Handling Operators by 1 September will be entered in a drawing. First draw is a new mobile radio or network radio to expand your communications capabilities. Second and third draws are personal identification badges from the Sign Man of Baton Rouge. So, time is a-wasting, get studying and completing courses. If you need information on our courses or the required FEMA courses, contact [Training@REACTintl.org](mailto:Training@REACTintl.org).

**TRAINING COMPLETIONS:** Since August 2017 there have been 47 successful completions of *REACT* courses by 12 members from 6 Teams for 115 hours of training. Congratulations to:

James Bois (9701) – Protecting Personal and Sensitive Information

John Capodanno (6192) – Emergency Communications

John Capodanno (6192) – Using the Zello Voice Traffic Net

John Capodanno (6192) – Monitoring

John Capodanno (6192) – Introduction to Net Operations

John Capodanno (6192) – Alerting

Barbara Chalfant (6205) – Monitoring

Rusty Hemenway (6247) – Alerting

Tom Jenkins (4956) - Monitoring

Matthew Missetich (6192) – Monitoring

John Mahon (6240) – Monitoring

Keith McDonald (6247) – Alerting

Keith McDonald (6247) – Using the Zello Voice Traffic Net

Keith McDonald (6247) – Basics of Drills and Exercises

Keith McDonald (6247) – Messages – The Radiogram

Keith McDonald (6247) – Messages – The ICS Form 213

Will Stanley (6245) – Monitoring

Joe Zych (6205) - Monitoring

**TRAINING FOR MEMBERS OUTSIDE THE US:** Our members in Canada, Trinidad and Tobago, the Philippines, and Thailand can complete our *REACT* courses without any special procedures. The Training Committee is working on finding substitutes for completing FEMA courses to allow Teams in these countries to more easily complete Type IV qualification.

**SUCCESSFUL MESSAGE RUNS:** The following members submitted 100% good copy for the March Message Run:

Angela Henry-Small (6247) – 100 words per minute

The Message Run is an excellent way to validate your ability to copy the types of formal messages that you will encounter in disasters. We conduct runs immediately following the first net on the *REACT*/Traffic System Zello channel (Wednesday at approximately 2130 EDT) of the month. June's run will be at 10 and 15 words per minute.

**RRI Q2 EXERCISE:** *REACT* participated in a Radio Relay International second quarter hurricane reporting exercise on 11 and 12 May – or more precisely of the 16 coastal state teams invited based on historic hurricane tracks, two participated, passing both weather reports and damage reports. Thank you:

Space Coast *REACT*

*REACT* Warning Team

This was a good chance to practice the types of reporting we may be asked to gather in actual hurricanes this season. As emergency communicators, these are skills that we need to be able to do when we are called. I am sure that the Teams that did not participate in an exercise that required origination of two messages at their own schedule in a 24 hour period had a good reason for not doing so. Notification was short, 8 days, the scenario thin, and there was no training package two months in advance. In other words, pretty much like about what a hurricane may give us. It is time to pull up our socks and start playing a professional game if we are to be respected or even survive as an organization. Two Teams on the entire stretch of coast line from Maine to Texas is not a good showing.

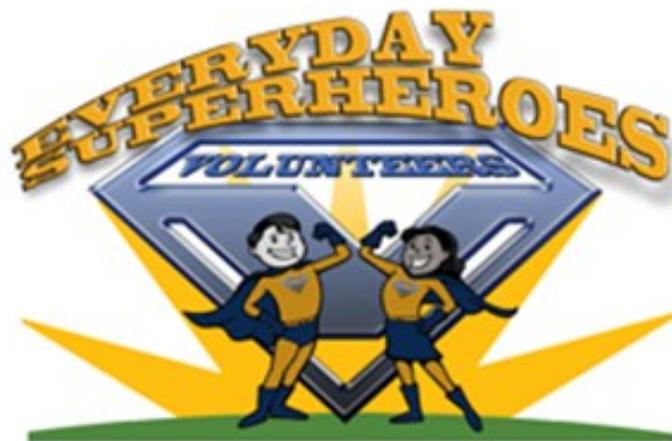
**TRAFFIC DRILLS:** Starting in May we are running short 48 hour exercises to train on the use of the online templates for reporting and messaging located at <http://reactwarning.org/formatted-reports>. Thanks to *REACT* Warning Team members Stan Latta, Rusty Hemenway, and Walter

Green for a successful first exercise. Participants use a basic scenario to complete the month's selected template with group feedback to help improve accuracy and performance. Traffic Drills start with a radiogram message by voice, e-mail, alphanumeric pager e-mail, or Amateur Radio delivery. These drills are open to any member – if you would like to sharpen your disaster communications skills by participating, contact [Training@REACTintl.org](mailto:Training@REACTintl.org).

**ALERTEX 2018-C:** ALERTEX 2018-B is complete and planning is starting for ALERTEX 2018-C in August. Expect the training packet in July and exercise instructions the first week of August.

**COORDINATION WITH RADIO RELAY INTERNATIONAL:** In April your team received an e-mail from Radio Relay International, an international amateur radio traffic system, asking for local contacts. If your Team has not responded please do so now. RRI is working with *REACT* to expand our ability to communicate in disasters and to coordinate response activity. They provide us a reliable and fast way to pass emergency messages and reports out of and into your local area in the case of major communications outages.

*(Chart of Type IV Training Requirements on next page)*



# REACT International Training Committee

## Type IV Team Training Requirements

Edition 1.0 January 2018

	<b>Communications Team</b>	<b>Base Station Team</b>	<b>Message Team</b>
<b>Federal Emergency Management Agency Courses</b>			
IS-100 (substitute ICS 100 or Canadian IMS 100)	Boss + Operator	Boss + Operator	Boss + Operator
IS-200	Boss + Operator	Boss + Operator	Boss + Operator
IS-201	Boss		Boss
IS-700	Boss + Operator	Boss	Boss + Operator
IS-800	Boss + Operator	Boss	Boss + Operator
<b>Total FEMA Hours</b>	14	12 boss 6 Operator	14
<b>REACT Courses</b>			
Disaster Basics	Boss + Operator	Boss + Operator	Boss + Operator
Using the Traffic System Message Bulletin Board			Boss + Operator
Using the Zello Voice Traffic Net			Boss + Operator
Monitoring		Boss + Operator	
Messages – Radiogram	Boss + Operator	Boss + Operator	Boss + Operator
Messages – ICS Form 213	Boss + Operator	Boss + Operator	Boss + Operator
Protecting Personal and Sensitive Information	Boss + Operator	Boss + Operator	Boss + Operator
Introduction to Net Operations	Boss + Operator	Boss + Operator	Boss + Operator
(1) Licensed as an Amateur Radio Technician OR one of the following REACT courses: (2) GMRS (3) FRS (4) CB (5) MURS (6) Business	Boss + Operator (1) or (2) or (3) or (4) or (5) or (6)	Boss + Operator (1) or (2) or (3) or (4)	Boss + Operator (1) or (2) or (3) or (4)
Alerting	Boss	Boss	Boss
Deployment Awareness	Boss + Operator		
Basics of Drills and Exercises	Boss + Operator	Boss + Operator	Boss + Operator
<b>Total REACT Hours</b>	15 - 14	15 - 14	16 - 15

The information on the next three pages comes courtesy of the National Weather Service office in Raleigh, North Carolina.



## Tornadoes

According to the [Storm Prediction Center](#), on average, 28 tornadoes occur across the state of North Carolina each year, and just under 50% of those events occur during the Spring months of March, April, and May. While tornadoes may not be as common here as in other US locations, such as the Great Plains or along the Gulf Coast, dense population centers across the eastern half of the country make our area especially vulnerable if an event were to occur. Thus, knowing the proper actions to take if a Tornado Watch/Warning is issued can be the difference between life and death! Remember... Every second counts!

- *Wherever you are...* ensure that you have a NOAA Weather Radio or another reliable way to receive severe weather alerts/information.
- *If you are at home...* take shelter in your basement or safe room. If those options are not available, move to an interior room away from windows.
- *If you are at school or work...* follow previously practiced tornado drill guidelines.
- *If you are outside...* move into a sturdy shelter immediately. If not available, shelter in a low-lying area.
- *If you are inside of a vehicle...* do not shelter under a bridge or overpass. Instead, drive to the nearest sturdy structure, and take shelter immediately. If not shelter is available, vacate your vehicle and shelter in a low-lying area.

## Lightning

Thunderstorms don't necessarily need to be "severe" to be dangerous. In 2017, 16 people were struck and killed by lightning in the United States ([well below normal!](#)), including 2 people in North Carolina. Males are the most common lightning strike fatality victims, totaling nearly 80% between the years 2007-2017. Most commonly, the victims are struck while participating in outdoor activities such as; sports, visiting beaches, boating, or continuing to work outside while a thunderstorm approaches. Lightning strikes can be avoided easily.... BY STAYING INSIDE when storms threaten! See below for some common facts and fiction about lightning.

### Lightning FACTS and FICTION

- **FACT:** Lightning can strike as far as 25 miles away from its parent thunderstorm and its associated rainfall.
- **FACT:** Vehicles can provide safety during a thunderstorm! Just be sure to avoid touching any surfaces (such as metal) that may conduct electricity.
- **FICTION:** All lightning strike victims die. This is actually false, only about 10% of people struck by lightning are actually killed. However, most must cope with varying degrees of discomfort and disability, sometimes for the rest of their lives.
- **FICTION:** Lightning never strikes the same place twice. FALSE! Lightning often strikes the same place or object repeatedly, especially if it is tall, pointy, or isolated. For instance, the Empire State Building in New York City gets struck 100s of times a year!
- **FICTION:** Seeking shelter under a tree or in a low-lying area will keep you safe from lightning. FALSE! No place outside is safe during a thunderstorm! If caught outside, head to the nearest enclosed shelter, preferably with electrical wiring and plumbing fixtures.

### Safety Tips:

- **Stay away from windows and doors:** Lightning may strike a nearby object, and be transferred to you if you remain nearby. It is best to remain in an interior room during a thunderstorm.
- **Don't use a corded telephone:** Still have a landline telephone lying around? Energy from lightning strikes can be transferred to your body through telephone wires. However, it is safe to use a cordless telephone and/or cell phone during a thunderstorm.
- **Don't touch electrical equipment or cords:** Any equipment that uses electricity (i.e. computers, TVs, microwaves, appliances...etc.) is susceptible to lightning strikes and associated surges. Unplugging these devices or using a series of surge protectors is recommended.
- **Avoid taking showers/baths/swims:** Water and the plumbing that transports it are great conductors of electricity. Be sure to avoid any and all contact with it during an electrical storm.

# FLOOD WARNING

A Flood Warning is issued when flooding is **happening** or will happen soon. Some roads will be **flooded**.

**Move** to higher ground.

**Never drive** through flooded roads.

**take action.**

# FLOOD WATCH

A Flood Watch is issued when flooding is possible.

Stay tuned to radio/TV, follow **weather.gov** and be ready to seek higher ground.

Learn more at **weather.gov/flood**.

**be prepared.**



## Flooding

Flooding of all types is a year-round hazard across North Carolina, which has [a rich history](#) of both tropical and non-tropical type flooding events. Flash flooding is of particular concern during the severe weather season, as strong thunderstorms often produce high rainfall rates over an area for a prolonged period of time. Flash flooding is especially dangerous in urban areas (which exhibits greater runoff potential) and/or when it occurs at night (as it often can be hard to identify). Flooding typically ranks [near the top](#) of weather fatalities on any given year, many of which can be prevented through increased environmental understanding and careful planning! Before a flood occurs, it is important to:

- **Know your risk...** Does flooding occur often near your home or work?
- **Plan Ahead...** Where would you go if a flood were to occur? Where is your nearby higher ground?
- **Remain #WeatherAware...** Do you know the difference between a flood watch and warning? Do you have a way to be notified if flooding were to occur at night?



# *REACT International Event Calendar*

## **JUNE 2018**

1..... *REACT*er Published  
2..... ZELLO Worldwide Net (9 p.m. ET)  
5..... *REACT* Worldwide Net (9 p.m. ET)  
9..... ZELLO Worldwide Net (9 p.m. ET)  
12..... *REACT* Worldwide Net (9 p.m. ET)  
14..... FLAG DAY  
15..... Deadline for July *REACT*er  
16..... ZELLO Worldwide Net (9 p.m. ET)  
18..... FATHER'S DAY  
19..... *REACT* Worldwide Net (9 p.m. ET)  
23..... ZELLO Worldwide Net (9 p.m. ET)  
26..... *REACT* Worldwide Net (9 p.m. ET)  
30..... ZELLO Worldwide Net (9 p.m. ET)

## **JULY 2018**

1..... *REACT*er Published  
3..... *REACT* Worldwide Net (9 p.m. ET)  
4..... INDEPENDENCE DAY  
7..... ZELLO Worldwide Net (9 p.m. ET)  
10..... *REACT* Worldwide Net (9 p.m. ET)  
14..... ZELLO Worldwide Net (9 p.m. ET)  
15..... Deadline for August *REACT*er  
17..... *REACT* Worldwide Net (9 p.m. ET)  
21..... ZELLO Worldwide Net (9 p.m. ET)  
24..... *REACT* Worldwide Net (9 p.m. ET)  
28..... ZELLO Worldwide Net (9 p.m. ET)  
31..... *REACT* Worldwide Net (9 p.m. ET)

## **AUGUST 2018**

1..... *REACT*er Published  
4..... ZELLO Worldwide Net (9 p.m. ET)  
7..... *REACT* Worldwide Net (9 p.m. ET)  
11..... ZELLO Worldwide Net (9 p.m. ET)  
14..... *REACT* Worldwide Net (9 p.m. ET)  
15..... Deadline for September *REACT*er  
18..... ZELLO Worldwide Net (9 p.m. ET)  
21..... *REACT* Worldwide Net (9 p.m. ET)  
25..... ZELLO Worldwide Net (9 p.m. ET)  
28..... *REACT* Worldwide Net (9 p.m. ET)

## **SEPTEMBER 2018**

1..... *REACT*er Published  
1..... ZELLO Worldwide Net (9 p.m. ET)  
3..... LABOR DAY

4..... *REACT* Worldwide Net (9 p.m. ET)  
8..... ZELLO Worldwide Net (9 p.m. ET)  
11..... *REACT* Worldwide Net (9 p.m. ET)  
15..... ZELLO Worldwide Net (9 p.m. ET)  
15..... Deadline for October *REACT*er  
18..... *REACT* Worldwide Net (9 p.m. ET)  
22..... ZELLO Worldwide Net (9 p.m. ET)  
25..... *REACT* Worldwide Net (9 p.m. ET)  
29..... ZELLO Worldwide Net (9 p.m. ET)

## **OCTOBER 2018**

1..... *REACT*er Published  
2..... *REACT* World Wide Net (9 p.m. ET)  
6..... ZELLO Worldwide Net (9 p.m. ET)  
9..... *REACT* World Wide Net (9 p.m. ET)  
13..... ZELLO Worldwide Net (p.m. ET)  
15..... Deadline for November *REACT*er  
16..... *REACT* World Wide Net (9 p.m. ET)  
20..... ZELLO Worldwide Net (9 p.m. ET)  
23..... *REACT* World Wide Net 9 p.m. ET)  
27..... ZELLO Worldwide Net (9 p.m. ET)  
30..... *REACT* World Wide Net (9 p.m. ET)  
31..... HALLOWEEN

## **NOVEMBER 2018**

1..... *REACT*er Published  
3..... ZELLO World Wide Net (9 p.m. ET)  
6..... *REACT* World Wide Net (9 p.m. ET)  
10..... ZELLO World Wide Net (9 p.m. ET)  
13..... *REACT* Worldwide Net (p.m. ET)  
15..... Deadline for December *REACT*er  
17..... ZELLO World Wide Net (9 p.m. ET)  
20..... *REACT* Worldwide Net (9 p.m. ET)  
22..... THANKSGIVING DAY (US)  
24..... ZELLO World Wide Net 9 p.m. ET)  
27..... *REACT* Worldwide Net (9 p.m. ET)

Most National Holidays are now in the calendar.  
They are in CAPITAL PRINT

*To add items to this calendar, contact:*  
*REACT International: 301-316-2900 (Inter-Office Phone: Ext 114)*  
*email: editor@thereacter.com*  
*Editor direct -- 336-897-0641 (office/home) - 480-758-7722 (cell)*

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*Any questions ... contact the person in charge of the event*

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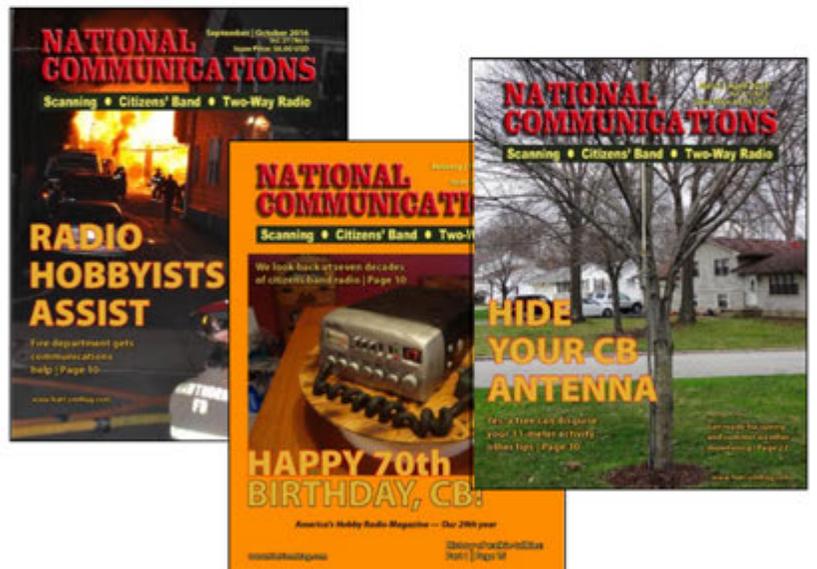
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