



# Capers

## April- 2020



The Monthly Newsletter of The Candlewood Amateur Radio Association  
P.O. Box 55 – Brookfield CT 06804 - 0055  
Visit us on the Web at <http://www.cararadioclub.org>

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**Next CARA Meeting:**  
**Friday, April 17 – Stony Hill Fire Station, Rte. 6. Bethel, CT**

**Note - This meeting will be conducted via Zoom Video Conferencing**  
**Sign onto Zoom at 7:00 for socializing and conversation**  
**Meeting begins at 7:30 p.m.**  
**Zoom conference invitation emailed to CARA membership.**



This month's meeting presentation – "Drones" by Charles Setaro, KC1IBR

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## *President's Message – de AB1WV*



Friends,

I hope that this finds you all healthy and safe.

Recently I sent out an email on the reflector that included an attachment of the Emergency Resolution which will be taken up at our next meeting. While it is an emergency in the fact that we cannot conduct business in the short term without it, CARA is doing fine. We are not financially hurting. We still have our repeaters and various projects we are working on. Some of these may be a bit harder to accomplish, but everything is still attainable. Our friend and long-time member and past various hat wearer in our club, John Ahle, recently said in one of our communications that while our communities and states and country are in a state of crisis and emergency, our club is not. This is an astute point and distinction. We, as a club, are doing fine.

I would like to thank John Ahle and especially Charlie Setaro for their hard work on the resolution. It is merely a documentation of why and how we are giving ourselves permission to conduct business via electronic means in the short term. It lays down a framework for keeping things fair and including everyone that would like to be included and heard.

Our next meeting is on April 17, this month. It is delayed due to Good Friday. It will be conducted via Zoom, which is a tele-conferencing platform. You don't need a camera for your computer to participate. You can log in with voice only, so you will need a microphone for your computer. I hope you will all participate. More information will be distributed as we get closer to the meeting and links will be distributed via the reflector and the web site.

Stay safe and hope to see you all soon.

Marcus  
AB1WV

## **Meeting Agenda:**

Pledge of Allegiance

Roll Call

Brief explanation of how the meeting will be run

Presentation and vote on emergency resolution

Acceptance of minutes from last meeting

Treasurer's report

Repeater committee report

Microsoft office 365 progress

Hamfest report

Other old business

New business

Presentation by Charlie Setaro

## Vice- President's Message: de W1JGM



To CARA Members and all Amateur Radio operators and their families:

I and the Executive Committee members and Board of Directors wish you well during this unprecedented event.

Due to our proximity to New York City, we find ourselves in the epicenter of the COVID-19 crisis, which means we absolutely need to be more conscious of our surroundings and pay special attention to protect ourselves and our families. It's crucial for all of us to follow the advice of the CDC, State and local authorities, plus simply use our own common sense. We'll get through this together. Please safely check on your elderly relatives and friends. Isolation is difficult for many - especially with the Easter and Passover religious observances.

Our next meeting on April 17 will be held by video conference. We'll be using the ZOOM video platform. You'll receive an invitation via the CARA reflector. Gathering will begin at 7:00 pm for socializing, then the meeting will start at 7:30 PM. We've already used this platform for our planning meeting – plus during several test sessions, and it and seems to work well. You can join ZOOM on any platform that can access the internet. If you aren't familiar with ZOOM, it can be downloaded from the internet at <https://zoom.us>. Don't hesitate to email your club leadership with feedback, comments or

suggestions to assist in improving these video conferences.

We're also looking at several ways to bring Amateur Radio -related presentations to you in the coming weeks. Again, notifications will go out via the club's reflector.

Unfortunately, I recently removed several names from the reflector and the club membership for nonpayment of 2020 dues. The dues were due in January 2020. This was necessary according to the club's Policy and Procedures. I will ask that if you know someone that was removed and arrears with dues, they can become current by paying their 2020 obligation.

Please support your organization, without you there can be no forward movement. If there's a reason that you wish to no longer continue your membership and want to share, please contact Marcus, AB1WV or me, and let us know. This is the only way we can improve.

For now, to be reinstated – mail a check or use PayPal. Check the club's website for PayPal information. <http://cararadioclub.org>. Also, supply a completed CARA membership application on the website so we have your latest information.

Please be a supporter.

At the moment - our Hamfest is still scheduled at the Edmond Town Hall in Newtown for August 23. Flyers are on the CARA website, and will be included as the last page of the Capers. The committee will be announcing additional information as it becomes available.

See you at the Video meeting!

Be safe and get on the air and have fun!

Remember: Amateur Radio is "The Original Social Distancing medium".

73,  
John Morelli - W1JGM, CARA Vice-President

### March 13 CARA Monthly Meeting

Meeting cancelled by Pres. Marcus Swearingen.

### March 27 CARA Monthly Planning Face to Face Meeting Cancelled. Minutes from Zoom video conference submitted to Capers:

de N1GSA



After a few minutes of trial and error in the use of the ZOOM program, we started the meeting. There were 10 members present at the start of the meeting.

First order of business was to have Pres. Marcus Swearingen, who was the host of the meeting, mute all present. This was the first real attempt of a video meeting. All were informed that you must raise your hand to be recognized as next to speak.

Ball Pond Fire Company was brought up to give a letter of thanks for use of the building for our Winter Field Day. Charlie has a letter of thanks for this and will see to this. This is not really something that needs to be voted on as it is just good and proper manners. Harlan has a Radio

Shack Discone that he would be will to give to the Firehouse for their use.

There is a need for a 220 MHz base antenna to be used for testing of our repeater that is presently at John's home. The Firehouse is not available for entry until further notice due to the Corona Virus outbreak. Dan presented that there are 2 antennas in his boneyard that could be available for this use. We will need an analyzer to test any of these before use. Roger brought up that it is also possible to build a J pole style antenna for temporary use. Dan will check the EOC to see if there antenna analyzer will cover this. Roger mentioned that the MFJ 259 covers 220. Gregory has one that will cover 220. Gary also has one of these.

The May meeting had Bart Janke, from ARRL, scheduled for a presentation. This will probably need to be rescheduled.

Charlie can do his presentation for our April meeting if Bud is not available for his presentation on Boat Anchors. This would be April 10<sup>th</sup>. These are, of course, all hinged on our shelter in place orders.

The 2019 CQWW WPX contest had a leader in the US and CT along with 13<sup>th</sup> in the world from our club. This was Dan W1QK.



As it is not in our Policies and Procedures, there are no provisions for electronic meetings. We need to consider making a change to reflect this emergency situation. Charlie has written a resolution to effect this change and make this a permanent change for review by the membership.

We need to look forward to the future with regards to our Hamfest and other fundraising possibilities. With the present travel climate there could be either an increase or decrease in activity.

John heard from Tim Duffy from DX Engineering that even though the Dayton Hamfest has been canceled, Ham Radio University will be streamed and will be free. Further details will follow as they are received.

The Microsoft Office 365 startup is still in progress but is somewhat slow with all the other streaming and instruction necessary from Microsoft.

The New England QSO Party is coming up. Roger will keep in touch with ARRL as to the progress and availability of the station.

Marcus asked for other items to be brought up.  
Attendees:

Gary, Charlie, Roger, Gregory, David, Marcus , John Morelli, John Ahle, Harlan, Dan.

There was an impromptu simplex net with most participants checking in.

Meeting adjourned at 8:30

Respectfully submitted.

Gary S. Adams - N1GSA

Secretary Pro-tem

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### Paul Franklin Kleppin – WS1Q, Silent Key

Paul Franklin Kleppin, "Pop", age 83, of New Milford, CT, died peacefully at home with his family, on Sunday, March 1, 2020. Paul was born on January 16, 1937 in Yakima Washington to the late Wilma and Dale Kleppin.

Paul leaves behind his loving wife of 55 years, Louise Kleppin, his daughter Pamela Ash and her husband Larry, his son Steven Kleppin and his wife Alicia as well as grandchildren Dillon Ash, McKenzie Kleppin and Morgen Kleppin. Paul is also survived by his brothers Ardell Kleppin and Terry Kleppin and his wife Janice, and sisters Carol Kleppin and Glenna Kleppin. Paul was blessed with cousins, nieces and nephews across the country.

Paul grew up in a small town in rural, eastern Washington state, where his parents owned and operated apple orchards. Paul was a gifted athlete and made the [University of Washington](#) baseball team. After a quick

minor league baseball stint, he served his country in the United States Coast Guard where he traveled the Pacific, being stationed in such places as Japan and Guam. While stationed in New York, he met his future wife, Louise Reichert, and they settled in Connecticut.

While working and raising a family, he went back to school and was awarded a Bachelor of Science in Business Administration from the University of New Haven. In his professional career, he was a founding partner in Audio Analyst, which made high quality speakers. He later worked in purchasing at several manufacturing companies in Fairfield County.

Paul was an avid sports fan, rooting for the UCONN Huskies men's and women's basketball teams. Paul and Louise loved to take trips to scenic and relaxing places like Vermont and Maine, stopping at antique shops along the way and finding a nice place for a meal. Paul attended Prince of Peace Lutheran Church in Brookfield and was a former member of the Candlewood Amateur Radio Association. Paul had communicated with every country in the world and sometimes out of this world, talking to an astronaut while in outer space. He could be heard by his family on summer evenings chatting with contacts in foreign lands.

His greatest pleasure was his family. Paul and Louise rarely missed a grandchild's event, following them around the state to watch soccer, baseball, a school concert or

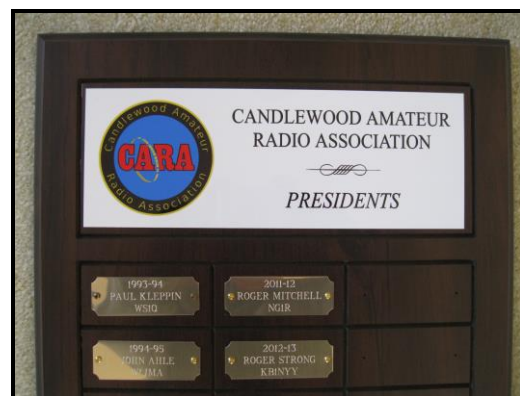
an awards ceremony.

The family would like to thank everyone for their thoughts and prayers and to especially thank Dr. Thomas Botta, MD from Nuvance Health and the New Milford VNA and Hospice for their exceptional care and compassion.

A spring memorial service is being planned. You may contact his son Steven at [steven.kleppin3@gmail.com](mailto:steven.kleppin3@gmail.com) for more information regarding the service.

Published in News Times from Mar. 11 to Mar. 20, 2020.

*Editor – Paul was CARA's president for two separate terms; first in 1993-1994, then again in 1998 – 1999. His name appears twice on the revised CARA Perpetual President's Plaque:*



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### CARA 220 MHz. repeater project update:

No update submitted about installation of the new CARA Bridgecom 220 MHz. repeater.

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### CARA Website update:

No update submitted by the Website revision committee.

### Microsoft Office 365 Essentials update:

No update submitted by this committee.

### CARA Laptops Solid State Drive installation project update:

Drives specified, ordered and received by NG1R.

W1QH: Software cloned from current Hard Drives to new Solid State Drives.

### New England QSO Party update: de NG1R:

The NEQP is on Sunday, May 3. We have a reservation for CARA members to operate at W1AW from 9:00 am to 4:00 pm.

Reservations requested – as this opportunity is offered to CARA members in good standing, however, this event may be cancelled.

More details to be discussed at the April meetings.

<http://www.neqp.org/rules.html>

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## This Month's Zoom meeting Program: Drones: by Charles Setaro – KC1IBR



<https://www.dronezon.com/learn-about-drones-quadcopters/what-is-drone-technology-or-how-does-drone-technology-work/>

<https://bestreviews.com/best-drones>

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### **Preview -- CARA Meeting Presentation April 17, 2020:**

*The fast-changing FAA Rules for  
Recreational sUAV Flyers.*

By Charlie KC1IBR

Just the acronyms can be confusing:  
UAV - Unmanned Aircraft Vehicle Or  
UAS – Unmanned Aircraft System  
sUAV – Small Unmanned Aircraft Vehicles  
sUAS – Small Unmanned Aircraft System  
OR... more commonly “Drone”.



Having been a recreational UAV flyer for five years I've had some thrilling photographic experiences while operating within existing FAA framework in effect at the time. I obtained a DJI Phantom 3 Standard as my only uav it is the viewpoint from which I hope to relate my experiences.

I hope to share some video previews of area scenes some of which may soon become much more difficult or nearly impossible to film due to tightening of regulations and waivers required, especially for the recreational flyer.

I'd say the "drone" fever reached its peak in 2015-2017 with Christmas sales estimated in the hundreds of thousands. Consumer Technology Association points out that 2.4 million personal drones were sold in the U.S. alone in 2016, more than double the 1.1 million sold in 2015. Of course any sophisticated device requires study and knowledge--- something the Christmas shoppers just were not thinking about!

In my opinion most of the consumer sUAVs sold during those holiday periods quickly became relics on the top shelves of youthful clothes' closets. Parents came to realize that registration became a reality and all too late realized that there are restrictions, rules and risks! Ohh... Let's not discount the amount of UAV's that crashed or hit trees, lying in disrepair in the basement.

Cumulatively the FAA estimates that by 2020 end, seven million drones are expected to be sold. FAA further points out that the pace of registration in 2018 slowed considerably compared to 2016 and 2017. Monthly owner registration now stands at half of what was observed a year ago.

[https://www.faa.gov/data\\_research/aviation/aero\\_space\\_forecasts/media/unmanned\\_aircraft\\_systems.pdf](https://www.faa.gov/data_research/aviation/aero_space_forecasts/media/unmanned_aircraft_systems.pdf)

From the outset, different FAA drone regulations for commercial use and for recreational use created some discourse and confusion. With early rules, the recreational users having permission to fly at night and the commercial users had to apply for waivers! Today, the rules are almost reversed... the recreational flyer restrictions apply.



The FAA site can be intimidating and at times seemingly contradictory when it relates to recreational flying.

Near-real-time system of approval for flights has been rolled out...the Low Altitude Authorization and Notification Capability (**LAANC**) system, which began authorization in May 2018. LAANC is designed to allow considerable flexibility in sUAS operations and facilitate non-modelers' use of the NAS. Currently however, LAANC access for recreational flyers is not fully implemented. This is highly limiting the casual flyer.

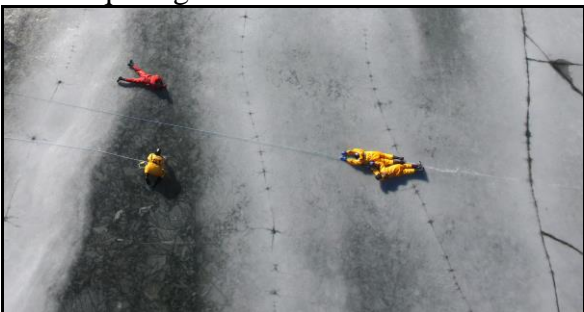


While most of the near-term growth in non-model sUAS will continue to come from consumer grade (over 90 percent), we anticipate a significant part will come from professional grade non-model sUAS as well

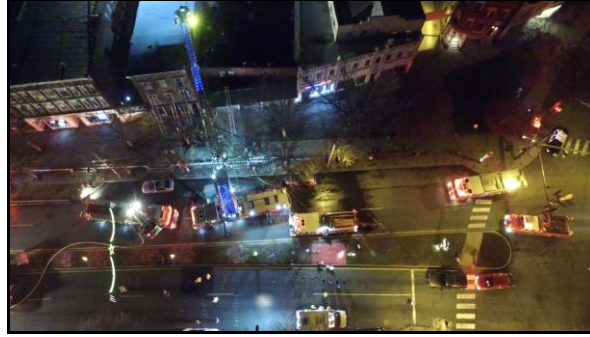
FAA Part 107 rules now address commercial sUAV regulations. Commercial use requires a FAA Remote Pilot license. website <https://faadronezone.faa.gov/#/> provides a clever interface for Part 107 (commercial or Public safety drones <55 lbs) and a separate sub-interface addressing the **“exception for recreational flyers”**. The FAA has been developing a Aeronautical and Safety Test for recreational flyers, it appears as though there have been major delays in this however. FAA at <https://www.faa.gov/uas/> is a root location for most-all uas operations.

The [FAA's Reauthorization Bill](#) introduced new rules for how, when, and where you can fly your drone for [recreational purposes](#). (H.R. 302 Section 44809).

Public Service flying that was once basically unregulated is now captured under the Part 107 rules requiring Remote Pilot Licenses.



1 Danbury Fire Dept. Ice Rescue Training ejs



If you like to read... The FAA’s link [https://www.faa.gov/uas/recreational\\_fliers/](https://www.faa.gov/uas/recreational_fliers/) <https://www.congress.gov/115/bills/hr302/BILLS-115hr302enr.pdf> yields a 450 page law

Some memorable solid pillars of operational practices:.. Fly at or below 400 feet, Visual Line of Sight Only (VLOS). Use a VO (Visual observer) to assist you when flying if available. Yield to manned aircraft at all times.

The FAA at [https://www.faa.gov/regulations\\_policies/advisory\\_circulars/index.cfm/go/document.information/documentID/1036029](https://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/1036029) cites Advisory Circular 91-57b **Exception for Limited Recreational Operations of Unmanned Aircraft** which puts forward many points of regulations.

[https://www.faa.gov/documentLibrary/media/Advisory\\_Circular/Editorial\\_Update\\_AC\\_91-57B.pdf](https://www.faa.gov/documentLibrary/media/Advisory_Circular/Editorial_Update_AC_91-57B.pdf)

*At the time of publication of this article, provided there is some interest, a demo flight may be arranged, (pending weather or other restrictions) on or about daylight Friday March 13<sup>th</sup>. Please contact me if that may interest any members.*



## Connecticut Phone Net – CPN

Meets daily: M-F 6:00 p.m. 3.973 MHz.  
Sunday: 10:00 a.m. 3.965 MHz.  
CARA Contributions:  
Wednesday Net control: Harlan, W1QH  
CPN Net Manager: Tom - WX1T



### Weekly CARA 2M NET:

W1QI 2M Repeater – 7:30 pm Sunday

### Worked All Connecticut Counties Award, WACC – Sponsored by CARA:

<http://www.cararadioclub.org/activities>

### Upcoming Contests, Hamfests & Meetings:

Apr. 17 : Monthly CARA meeting via Zoom  
Apr. 18: MI QSO Party, ID QSO Party, Stew  
Perry 160M Distance Challenge  
Apr. 24: April CARA Planning Meeting via Zoom  
Apr. 25-26: FL QSO Party  
Apr. 15, 22, 29: CWOps CWT Minitest Regular  
Sessions - 1300Z, 1900Z, 0300Z

**April 30: May Capers input deadline**

**Complete Contest calendar at:**

<http://www.hornucopia.com/contestcal/contestcal.html>

**New England and other local hamfests:**

<http://web.mit.edu/w1gsl/Public/ne-fleas>

### Upcoming CARA Calendar:

Apr. 17 : CARA March Monthly meeting video  
conference via Zoom  
Apr. 24: Monthly planning meeting – via Zoom  
**Apr. 30: May Capers input deadline**

*News received via the YCCC  
Reflector about the status of this  
event:*

[emastaff] HamXposition Postponed to November  
6-8, 2020

From: [Jim Idelson](mailto:Jim Idelson)

Date: Fri, 10 Apr 2020 13:43:18 EDT  
73 Jim K1IR

----- Forwarded message -----

From: Phil Temples <[phil@temples.com](mailto:phil@temples.com)>  
Date: Fri, Apr 10, 2020, 1:03 PM

Subject: [emastaff] HamXposition Postponed to  
November 6-8, 2020

To: <[emastaff@groups.io](mailto:emastaff@groups.io)>

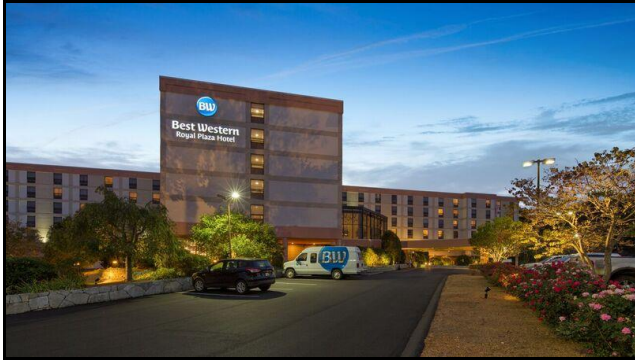
<https://ema.arrrl.org/2020/04/10/hamxposition-arrrl-new-england-division-convention-postponed-to-november-6-8-2020/>

# Northeast HamXposition

<https://hamxposition.org/>

**The Northeast HamXposition is moving!  
Please read this special message from our  
convention chair, Bob DeMattia, K1IW:  
Greetings!**

I am pleased to announce that the Northeast  
HamXposition (formerly Boxboro!) is **MOVING!**  
The 2020 Northeast HamXposition will be  
held **July 24<sup>th</sup>, 25<sup>th</sup>, and 26<sup>th</sup>** at the **Best  
Western Royal Plaza Hotel & Trade Center**,  
conveniently located in Marlborough,  
Massachusetts.



**Update:** Hotel rooms at the new convention hotel are **now available for booking!**  
**Stay right where the action is!** Rooms at the convention hotel, the Best Western Royal Plaza Hotel & Trade Center, are now available for booking at the special convention rate of \$99 per night. Your room can be booked by calling the hotel's front desk at 1-888-543-9500 (mention "HamXposition"), or directly on the hotel's secure booking website using the link below.

[Click here to book your convention hotel room online](#)

*... and did we mention? Rooms include a complimentary breakfast buffet!*



### YCCC News

Club members stay in touch through the club newsletter called the [Scuttlebutt](#), and through the Internet.

The value of YCCC membership is the opportunity to work side by side with the best. Cooperation and teamwork spiced with the

strong spirit of competition is at the heart of YCCC accomplishments and contest victories.

The YCCC is an [ARRL](#)-affiliated club.

YCCC Meeting was held April 11, 2020 via Zoom.

More information on the YCCC website:  
[www.yccc.org](http://www.yccc.org)

### From the YCCC Reflector:

#### Why you should Zoom

From: [Tom - N1MM](#)

Date: Wed, 01 Apr 2020 09:08:28 EDT

Last night I checked into the YCCC Zoom meeting and was really impressed with the quality of the application and the number of YCCers who showed up and participated. More sessions are planned in the future and you should get ready to participate. It is remarkably interactive - when someone speaks, his video feed jumps to the foreground so you can see him while he is speaking. It is possible to share your screen with the group, so I see lots of presentations/demonstrations in our future. Please do the following:

1. Install Zoom on whatever computer you have that has a webcam. A laptop in your shack would be best, but lacking that, install it on your tablet or phone. This way you will be ready for the next meeting.
2. Think about what you might be able to present to the group. Screen sharing works well. I am interested in doing a live presentation on the spectrum display, but I don't yet know how well it can work. Google says that zoom can share Youtube videos, so I am very hopeful that this will work.
3. Think about what presentations you would like to see, and forward your requests to W1UE, or post them in this thread. Zoom is capable of breakout sessions, so we could have multiple presentations happening at the same time and members could choose which one to participate in. Think about what presentations you would like to give and forward them as well!

Note that Zoom is VOX actuated, so that if you have your mic on, and you speak, you will jump to the foreground. Turn your mic off if you don't want to interact for a while.

73,  
 Tom - N1MM



Re: Why you should Zoom  
From: Randy Thompson K5ZD  
Date: Wed, 01 Apr 2020 09:17:04 EDT  
Zoom has another nice feature we hams can appreciate - push to talk!

If you put your microphone on mute and then want to say something, you can press the space bar on the keyboard and it will unmute the mic while you hold it down. Very nice when there is noise in the background and you don't want to mess with the mute/unmute controls every time you talk.

It was a fun meeting last night. Randy

Re: Why you should Zoom  
From: Jim Idelson  
Date: Wed, 01 Apr 2020 10:07:04 EDT  
Zoom did respond to this issue almost immediately with one simple addition. They now require account owners to give permission for cookie information to be shared. We have DENIED that permission. I'm sure there will be more measures taken going forward.

73 Jim K1IR  
Thoughts on Zooming and link to recording  
From: Jim Idelson  
Date: Wed, 01 Apr 2020 10:17:08 EDT  
Last night's online meeting via Zoom was received very well by the participants who made the effort to join. We had about 30 participants at the peak of the call. Attendance was almost double what we see at the restaurant meetings. You can watch it at the link below.

Topic: YCCC Post-WPX SSB Virtual Get-together  
Start Time : Mar 31, 2020 05:53 PM

Meeting Recording:  
[https://zoom.us/rec/share/9O58DYH-8XJJUo3t00b5ZI4aE569T6a8hiUW8\\_pbzHp5jiZYvTV9h\\_36i3jIBPs](https://zoom.us/rec/share/9O58DYH-8XJJUo3t00b5ZI4aE569T6a8hiUW8_pbzHp5jiZYvTV9h_36i3jIBPs)

Here's Charlie N1RR talking about his recent 40M projects and how it worked in WPX SSB.

[image: image.png]

I was so pleased to see and hear some members who were experimenting with something new for them. Congrats to those who might have been a little skeptical or apprehensive, but decided to give it a try.

Dennis also noted that about a third of the participants in last night's meeting were seldom seen at in-person meetings. Seems like taking distance and driving out of the picture is a real opportunity to equalize access to club activities for all our members, no matter where they live.

Is it ok for a ham radio club to have Zoom meetings, not just on-the-air meetings? Is it ok to use non-ham technology when we could be doing it on-the-air? Are we in some way betraying our own roots by taking this step?

I think it's fine, and a net positive for the club. My view of the ultimate ham is one who understands communication in many ways - many modes; in all its nuances. Much of what we do uses the RF spectrum provided to us on an exclusive or priority basis. But, going outside that 'RF box' allows us to experience and come to understand 'adjacent' communication capabilities. This makes us better communicators.

Nothing prevents us from, and many of us do participate in on-the-air get-togethers like the weekly YCCC DMR net. That is a lot of fun, too, and it does give me an extra bit of satisfaction knowing we're using our own technologies to make it happen.

If this is still a barrier to acceptance, maybe it will be helpful to know that there are analogous situations out there. Think about film photographers. They practice an art that's been greatly impacted by digital photography. They continue to do their thing despite the fact that film is scarce and costly and film camera technology has been frozen in time for decades. But, this hasn't isolated or crippled these practitioners. On Facebook, for example, there's a group called 35mm Film Photography. The group has 75,000 members. Everyday, they discuss the art and science of film photography. Instead of getting together in person and showing each other hardcopy prints, they share digital scans of images they captured on film. They advance their art through the use of modern echnology. Here's a picture posted in that group today for online review. The poster asked, "Do you like this pic or is it just weird? Canon EOS Elan IIe, Rokikon 14mm, Proimage 100, lab dev+scan"

And, 3830, which used to be a real post-contest score-sharing net on 75m, has long since moved to online community at 3830scores.com. In the online implementation, 3830 has become more accessible and much more complete in delivering score information and color commentary about the contest.



After last night's call, Dennis and I briefly discussed the future for on-line meetings for YCCC. He's currently thinking that we can and should do the April meeting online (this is not an announcement; nothing is finalized). We will discuss that and consider an online-appropriate meeting agenda.

"Necessity is the mother of invention." I hope it can also be an inspiration for long-term change. With our collective acquisition of this new experience and skill set in the area of online meetings, we have an additional tool to make our club better for the long term. Hope we do it.

73 Jim K1IR

Re: Thoughts on Zooming and link to recording  
From: Mike Loukides  
Date: Wed, 01 Apr 2020 10:25:57 EDT  
A couple of thoughts--from one of the people who rarely gets to in-person meetings.

Yeah, an in-person meeting is usually a 2-hour drive (90 minutes, if it's in Sturbridge)--so that's a lot of driving.

I've heard a lot of reports about groups where attendance went \*up\* when the meetings went virtual. Churches, community groups, clubs, whatever. I think the big question is what happens when the novelty wears off. But that's true for anything. Give people a reason to come (like a good program, and we had one last night), and they'll do it. Without 3 hours of driving. (Don't want to even think about NCCC's driving issues...)

Zoom worked really well for me, and I didn't even use my good microphone... (hope the audio was OK). (My mic situation is sort of insane--I have the whole range from absolute crap to high end studio stuff. And the mic I used was definitely on the crap end of the spectrum.)

Mike Loukides

Re: Radial Issue  
From: John Vogel  
Date: Thu, 02 Apr 2020 15:47:39 EDT  
For my 2-ele array on 40m I use hardware store angle AL cut into 4 12" pieces bolted together to form a square.

SS nuts & bolts. Multiple teflon coated AL radials crimped onto each ring terminal. About 90 radials per element.

Cheap, easy to source, easy work with. Have been on the ground under the leaves for years & years and shows zero corrosion.

On 160m I use a low budget radial plate for my Inv-L with 8 raised radials. It won't win any design elegance competitions but this antenna rocks.

Flat AL plate maybe 4"x4". SO239 chassis mount through the center. SS nuts/bolts On each corner, ring terminals each holding 2 radials Very inexpensive, easy to work with. It's been up for years & years and shows next to no corrosion. I took the ring terminals off this Fall and brushed up the contact areas with emory cloth. Took 5-minutes.

John  
N1PGA

2b.  
Re: Radial Issue  
From: Charles Morrison  
Date: Thu, 02 Apr 2020 16:27:56 EDT  
Here's my solution to a cheap radial plate and feed point:  
Home Depot  
Glacier Bay replacement Stainless Steel dink strainer. \$2.34 each  
<https://www.homedepot.com/p/Glacier-Bay-Fit-All-Replacement-Strainer-Basket-in-Stainless-Steel-7047-102SS/207144253>

Punch out the plastic post and center and you'll find a perfect 5/8" diameter hole to mount an SO-239 or similar. You will be using the strainer upside-down, so place the SO-239 into the strainer so the coax connection is inside the strainer and the solder end points up Solder a 4 " to 6" piece of stranded wire to the SO-239 and a similar piece onto your radiating element. In my case, its copperweld.

Holes in the strainer will accept #8 screws. Get #8 Phil Pan head SS screws and #8 SS KEP nuts. (That's a nut with an attached external tooth washer.)

Widen two holes along the outer row of holes of the strainer and position the points of a thimble pointing up toward the radiating element. Use 18" of Phillystran and two wire clamps (u-bolt and saddle) as a strain relief to prevent the radiating element from disconnecting from the SO-239 in the sink strainer. Keep the one wire clamp nearest to the thimble and away from the SO-239.

Keep the 2nd wire clamp on the radiating element, but above the stranded wire you've added. I use an electrician's wire nut to join the wire from the SO-239 to a flexible stranded wire from the radiating element, this way you less likely to have to solder outdoors if this comes apart.

I just bought 200 3/4" #8 SS screws and 200 #8 SS Kep nuts for \$22 at my local fastener distributor. (located 1500 feet behind my swamp - convenient) Total cost for 8 feedpoints for two 4-squares : ~\$60.00 plus eight SO-239. = \$100.

Warren: 53.970 MHz -1 MHz PL 110.9 Hz  
Please check in - All are welcome.

CT ARES Digital Net: First Wednesday of the month. Send digital messages to KB1OVQ - Newtown EOC.



<http://www.ctares.org/>

## Reminder:

CARA is registered for ARRL Affiliated Club Competition. Use: **Candlewood ARA** when submitting your **Cabrillo Log**.

In order to make sure the club results are accurate and fair to all, the ARRL Contest Branch is renewing its effort to help clubs comply with the rules. (See section 8 of the [General Rules for All Contests](http://www.arrl.org/general-rules-for-all-arrl-contests) at [www.arrl.org/general-rules-for-all-arrl-contests](http://www.arrl.org/general-rules-for-all-arrl-contests).)

Here are the three changes:

- Online uploading of club "Eligibility Lists",
- Use of six-character grid locators as locations, and
- Deadline for submitting eligibility is now the the contest start time.



## CT ARES News:

Connecticut ARES Region 5 conducts a weekly net each Wednesday at 7:30 p.m.

New Milford: 146.730 MHz -600 kHz PL 192.8 Hz

NARA analog repeaters for this net:

Washington: 441.850 MHz +5 MHz **PL 203.5 Hz**  
Woodbury: 444.800 +5 MHz PL 192.8 Hz

## 2020 CARA Ham Exam Schedule:



## 2020 Amateur radio exams sponsored by CARA at the Stony Hill FD. Bethel:

*Note: no update on the status of these exam sessions submitted to Capers - Editor.*

Starting at 11:30 a.m.

Walk-ins are welcome, but it's helpful if candidates e-mail Jonathan Bernon, AJ1U, to [AJ1U@arrl.net](mailto:AJ1U@arrl.net)

The following dates (Saturdays) for 2020

have been coordinated with the Stony Hill Firehouse Meeting Room scheduler:

**June 6,** September 19, December 5

Thanks & 73,  
Jon – AJ1U  
CARA VE Team Coordinator

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### Other upcoming exam sessions:

*Status unknown as of Capers publication date.  
Check with sponsors. – Editor.*

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CARA used N1MM+ Contest Logger during the 2020 Winter Field Day.

For a free download, visit:

<https://n1mm.hamdocs.com/tiki-index.php>

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*The following is **not** a paid advertisement. CARA is an ARRL Affiliated Club, and an ARRL Special Service Club, and we encourage you to consider joining the ARRL to support the programs that the organization sponsors – Editor.*



**ARRL – Your One-Stop Resource  
for  
Amateur Radio News and  
Information**

- **Join or Renew Today!** ARRL membership includes [QST](#), Amateur Radio's most popular and informative journal, delivered to your mailbox each month.
- Listen to [ARRL Audio News](#), available every Friday.

Subscribe to...

- [NCJ – National Contest Journal](#). Published bimonthly, features articles by top contesters, letters, hints, statistics, scores, NA Sprint, and QSO Parties.
- [QEX – A Forum for Communications Experimenters](#). Published bimonthly, features technical articles, construction projects, columns, and

other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members...

- [Subscribe](#) to the *ARES E-Letter* (monthly public service and emergency communications news), the *ARRL Contest Update* (bi-weekly contest newsletter), Division and Section news alerts – and much more!

- Find ARRL on [Facebook!](#) Follow us on [Twitter](#), [Snapchat @ARRLHQ](#), and [Instagram!](#)

ARRL offers a wide array of [products](#) to enhance your enjoyment of Amateur Radio. Visit the site often for new publications, specials and sales.

[Donate](#) to the fund of your choice – *support programs not funded by member dues!*

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### **About ARRL:**

Founded in 1914 by Hiram Percy Maxim, ARRL (American Radio Relay League) is the national association for Amateur Radio in the US. Today, with more than 161,000 members, ARRL is the largest organization of radio amateurs in the world. ARRL's mission is based on five pillars: Public Service, Advocacy, Education, Technology, and Membership.





So Now What? Podcast  
<http://www.arrl.org/so-now-what>



Editor: [Brian Moran, N9ADG](#) April 1, 2020

## NEWS, PRESS RELEASES, AND GENERAL INTEREST

As a follow-up to last issue's information on ethics, Ward, N0AX suggests the a couple of resources for contesting ethics: "ARRL's HF Operating Guidelines (<http://www.arrl.org/hf-contesting-guidelines>) deal with a lot of questions about how to operate, should you do or not do certain things, etc. And the CTU Ethics presentations are online at <https://www.contestuniversity.com/videos>."

As reported last issue, in response to the coronavirus emergency, **Hamvention 2020 has been canceled, along with all other related events.** That weekend the [World Wide Radio Operator Foundation](#) (WWROF) is sponsoring the [Hamvention QSO Party](#), a "12 hour fun event" 1200 to 2400 UTC Saturday, May 16, 2020. Everyone works everyone, 160 meters through 10 meters. The exchange is the first year you attended Hamvention, and if you've never attended use "2020." W8BI, the call sign for the Dayton Amateur Radio Association, hosts of Hamvention, is a bonus multiplier on *each*

*band*. No logs will be collected, post your scores on [3830scores.com](http://3830scores.com).

Less than 24 hours after the announcement of the Hamvention QSO Party, Nick, NA3M of the *N1MM Logger+* Development Team had developed an *N1MM Logger+* UDC (User Defined Contest) for the event. The UDC complies with the rules, exchange, and scoring for the one-day contest. Readers can visit the [N1MM Logger+ website](#) for details.

After the Hamvention cancellation announcement, Tim, K3LR, announced the cancellation of [Contest University](#), [Top Band Dinner](#), and [Contest Dinner](#). Go to the respective websites for details on how to get refunds if you had been signed up.

Look for [Contest University](#) 2020 to go all-online via Zoom on May 14. The schedule will be posted soon on the [Contest University website](#). (Tim, K3LR)

K3LR also points out that "Even though Ohio is shut down - [DX Engineering](#) (essential business) is taking orders and shipping 7 days a week."

Don't forget that pandemic rules about physical distancing apply, even when working on radio projects. If you need help to get that antenna in the air, troubleshoot a rig, or any other reason where others are needed to be physically present, it's best to wait for now. Even for outdoor projects.

Radio clubs are moving club meetings online using services such as [Zoom](#). For example, the Portage County Amateur Radio Service's April *Radiogram* announced "On Monday April 13, 2020 we WILL HAVE a PCARS meeting! And you won't have to leave your house to attend. This will be our first 'Virtual Meeting' and will be held on the ZOOM platform. Very easy to use and participate. As we get a little closer I will send you all the information you'll need to get logged in. BOTH Jim Storms, AB8YK,



and Michael Kalter, W8CI, will attend online as our featured speakers to talk about the David Kalter Memorial Youth DX Adventure program. You won't want to miss it."

Just like it takes a little practice to learn how to use a computer logging program, expect the same with using any type of video conferencing technology. A "pre-meeting meeting" for video conference novices is a good way to get ahead of any problems Chris, NX4N, submits: "The 2020 [Florida QSO Party](#) is being held 1600Z April 25 to 2159Z April 26. Be sure to mark your calendar and join in the fun during the next Florida QSO Party (FQP).

We will have a total of seven special 1x1 call sign stations whose suffixes spell **LOVEBUG**. Contact all seven of these 1x1 stations to earn this award. These stations will be on both modes full-time and should be very accessible. QSL these 1x1 calls active in FQP via KU9C direct or via bureau. Please visit [our website](#) for rules, results, records and more information. We're having a party, and you're invited! See you then! 73/OJ! -- The Florida Contest Group, FQP Sponsor" I asked Chris, "Why LOVEBUG?" and he said, "Florida is overrun with Lovebugs right around FQP time." You can see a few [pictures of Lovebugs on the Wikipedia site](#).

The RSGB [announced](#) that for HF and VHF contests, they'll "no longer allow any entries from stations operating from portable or alternative addresses or from multi-operator stations" due to the UK Government's restrictions on movement due to the coronavirus pandemic. In the US, some multi-multi efforts are now all-remote, so the operators at some multi-multi can be sheltering in place while still participating as a team.

You say Nancy, I say November: Phonetics have been a popular topic of in internet discussion groups of late. The problem from a technical perspective is that people using different words to indicate particular letters are in effect using different signal [constellation diagrams](#). From the human perspective, there are multiple considerations around what might be the best alphabet to use. This [article found by K1DG and relayed via N0AX, explains some of the human issues](#). (K1DG via N0AX)

The [Central States VHF Society](#) announces the dates and times for the 2020 run of the VH-and-up Spring Sprints:

- 144 MHz: Monday, April 6, 2020 from 7 - 11 PM local, Exchange: 4 character grid square
- 222 MHz: Tuesday, April 14, 2020 from 7 - 11 PM local, Exchange: 4 character grid square
- 432 MHz: Wednesday, April 22, 2020 from 7 - 11 PM local, Exchange: 4 character grid square
- Microwave, 902 MHz and up: Saturday, May 2, 2020 from 8 AM - 2 PM local, Exchange: 6 character grid square
- 50 MHz: Saturday, May 9, 20 from 2300Z until 0300Z Sunday, May 10, 2020, Exchange: 4 character grid square

For more information, see the [Spring Sprints website](#). According to the contest sponsors, "All simplex modes of operation are allowed. (SSB, CW, FM, AM, Digital etc.) EME via your preferred analog or digital mode is also allowed."

Scott, N3FJP has updated his [software](#) for the Maryland/DC QSO Party to handle recent rule changes. The latest software can be [found on his website](#).



The next North American SSB Sprint will be April 5, 2020, 0000 - 0359 UTC, which is Saturday evening in North America. The contest sponsors have a [Planned Activity page](#), so you can see if your friends are participating. Groups of operators can [register as a team](#) for an additional level of competitive fun. Any log achieving a certain number of contacts will be [in the running for a door prize](#). Two T-shirts can be earned for working multipliers: An **SSB Sprint Worked All States T-Shirt** for those that manage to work all 50 states in the 4 hours, and an **SSB Sprint Worked Canada T-Shirt** for those that manage to work all 13 Canadian multipliers in the 4 hours. (Bob, KW8N)

In discussions about how younger people can get involved in radio contesting, "making it more appealing to the younger generation" comes up as a goal. E-sports is an oft-cited competitor for the attention of the younger set, and is usually seen as a competitor to our hobby. Auto racing took advantage of e-sports when facing a potential canceled racing season due to the pandemic. They went [online with real drivers in "sim races"](#) - virtual racing -- and were immediately able to capture sizable viewing audiences. They pit real-world racers against one another and added some well-known virtual-only racers, demonstrating that many of the skills in [sim](#) and real racing are comparable. It worked so well that a [series of races are planned over the next few weeks](#).

-----



**CW Ops CW Academy:**  
**Interested in learning CW or improving your skills?**

Check out [www.cwops.org](http://www.cwops.org)

CW Ops "CWT" Every Wednesday Regular Tests. Full Speed Start: 13Z, 19Z, 03Z (+1), 1-hour each session Exchange: name/number (members) name/SPC (non-members) Avoid DX pileups!

CW Ops CW Practice Sessions:

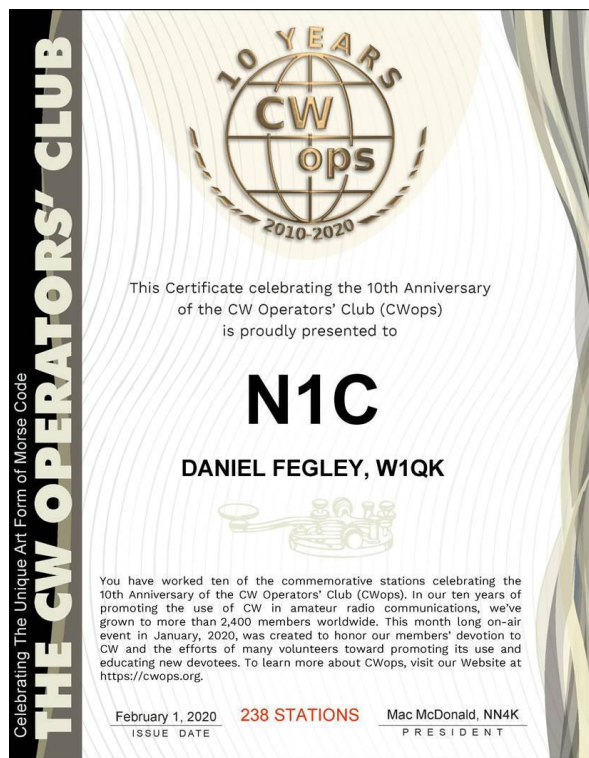
For: On-air practice at 13+ wpm for CWA students, graduates, others wishing to have real-time CW practice with others similarly afflicted with a love of CW and a need to improve proficiency, with a goal of 25+ wpm.

Purpose: To improve CW through on-air practice at a time and place when others are likely available.

Time and place: 7035-7045 kHz every Tuesday, Friday and Sunday around 6-8 pm local time.

**CW training is available, and details can be found at [www.cwops.org/cwacademy](http://www.cwops.org/cwacademy).**

W1QK received this certificate for participation in the CWOps Tenth Anniversary Celebration event during the month of January:



all you wonderful ops giving me contacts - I am very grateful.

Stay home if possible - stay safe.

Hope to cu next week all sessions to work on next 50K.

Gary, N5PHT

\*\* Gary Stone Ham Op N5PHT \*\*  
 \*\* CWOps #1489 SKCC 12041S FIST 10181 \*\*  
 Retired Fed Gov - Now Living in Iowa  
 "If a man doesn't take care of what he has, he ought not to have."  
 <><><><><><><><><><><><><><><><><><><><>



**Member and Station News:**

Your news or story could be included here in the next issue of CARA Capers. Contact W1QK, Capers editor.

Just snap a pix of your station, antennas, mobile installation, etc. and send it in!

**From the CWops Reflector:**

**50,000 th CWT contact (thanks Hank W6SX)**  
 From: [Gary Stone N5PHT](#)  
 Date: Thu, 09 Apr 2020 00:24:35 EDT

OK - CWT day!! Hit a nice spot for me! I made my 50,000 th CWT contact!! Hank, W6SX put me at 50,000. Thanks Hank. Took me 729 CWTsessions but we got it done. Some useless stats for that are interested:  
 Number of CWT Sessions: 729 (all consecutive - no misses since I became a member in Aug of 2015.

CWT contacts after this session: 50,066  
 Average number of Qs per CWT session: 68.6  
 All 50 States (I believe - since we don't log State I am not certain)

DXCC: 61

Mixed into the above quite a number from campgrounds in several US States.

Been quite a ride and of course not possible without

**A post from Betsy, K1EIC:**

**What Everyone's Getting Wrong About the Toilet Paper Shortage. It isn't really about hoarding. And there isn't an easy fix.**

Around the world, in countries afflicted with the coronavirus, stores are sold out of toilet paper. There have been shortages in Hong Kong, Australia, the United Kingdom, and the United States. And we all know who to blame: hoarders and panic-buyers.

Well, not so fast.

[Story](#) after [story](#) explains the toilet paper outages as a sort of fluke of [consumer irrationality](#). Unlike hand sanitizer, N95 masks, or hospital ventilators, they note, toilet paper serves no special function in a pandemic. Toilet paper manufacturers are cranking out the same supply as always. And it's not like people are using the bathroom more often, right?

U.S. Health Secretary Alex Azar summed up the paradox in a March 13 [New York Times story](#): "Toilet paper is not an effective way to prevent getting the coronavirus, but they're selling out." The president of a paper manufacturer offered the consensus explanation: "You are not using more of it. You are just filling up your closet with it."

Faced with this [mystifying phenomenon](#), media outlets have turned to psychologists to explain why people are cramming their shelves with a household good that has nothing to do with the pandemic. Read the coverage and you'll encounter all sorts of fascinating concepts, from "[zero risk bias](#)" to "[anticipatory anxiety](#)." It's "driven by fear" and a "[herd mentality](#)," the BBC scolded. The libertarian Mises Institute took the opportunity to blame [anti-gouging laws](#). The *Atlantic* published a short documentary harking back to the [great toilet paper scare of 1973](#), which was driven by misinformation.

Most outlets agreed that the spike in demand [would be short-lived](#), subsiding as soon as the [hoarders were satiated](#).

No doubt there's been some panic-buying, particularly once [photos of empty store shelves](#) began circulating on social media. There have also been a handful of documented cases of [true hoarding](#). But you don't need to assume that most consumers are greedy or irrational to understand how coronavirus would spur a surge in demand. And you can stop wondering where in the world people are storing all that Quilted Northern.

There's another, entirely logical explanation for why stores have run out of toilet paper — one that has gone oddly overlooked in the vast majority of media coverage. It has nothing to do with psychology and everything to do with supply chains. It helps to explain why stores are still having trouble keeping it in stock, weeks after they started [limiting how many a customer could purchase](#).

In short, the toilet paper industry is split into two, largely separate markets: commercial and consumer.

The pandemic has shifted the lion's share of demand to the latter. People actually do need to buy significantly more toilet paper during the pandemic — not because they're making more trips to the bathroom, but because they're making more of them at home. With some 75% of the U.S. population under stay-at-home orders, Americans are no longer using the restrooms at their workplace, in schools, at restaurants, at hotels, or in airports.

Georgia-Pacific, a leading toilet paper manufacturer based in Atlanta, estimates that the average household will use [40% more toilet paper than usual](#) if all of its members are staying home around the clock. That's a huge leap in demand for a product whose supply chain is predicated on the assumption that demand is essentially constant. It's one that won't fully subside even when people stop hoarding or panic-buying.

If you're looking for where all the toilet paper went, forget about people's attics or hall closets. Think instead of all the toilet paper that normally goes to the commercial market — those office buildings, college campuses, Starbucks, and airports that are now either mostly empty or closed. That's the toilet paper that's suddenly going unused.

So why can't we just send that toilet paper to Safeway or CVS? That's where supply chains and distribution channels come in.

Talk to anyone in the industry, and they'll tell you the toilet paper made for the commercial market is a fundamentally different product from the toilet paper you buy in the store. It comes in huge rolls, too big to fit on most home dispensers. The paper itself is thinner and more utilitarian. It comes individually wrapped and is shipped on huge pallets, rather than in brightly branded packs of six or 12.

"Not only is it not the same product, but it often doesn't come from the same mills," added Jim Luke, a professor of economics at Lansing Community College, who once worked as head of planning for a wholesale paper distributor. "So for instance, Procter & Gamble [which owns Charmin] is huge in the retail consumer market. But it doesn't play in the institutional market at all."

Georgia-Pacific, which sells to both markets, told me its commercial products also use more recycled fiber, while the retail sheets for its consumer brands Angel Soft and Quilted Northern are typically 100% virgin fiber. Eric Abercrombie, a spokesman for the

company, said it has seen demand rise on the retail side, while it expects a decline in the “away-from-home activity” that drives its business-to-business sales.

In theory, some of the mills that make commercial toilet paper could try to redirect some of that supply to the consumer market. People desperate for toilet paper probably wouldn’t turn up their noses at it. But the industry can’t just flip a switch. Shifting to retail channels would require new relationships and contracts between suppliers, distributors, and stores; different formats for packaging and shipping; new trucking routes — all for a bulky product with lean profit margins.

Because toilet paper is high volume but low value, the industry runs on extreme efficiency, with mills built to work at full capacity around the clock even in normal times. That works only because demand is typically so steady. If toilet paper manufacturers spend a bunch of money now to refocus on the retail channel, they’ll face the same problem in reverse once people head back to work again.

“The normal distribution system is like a well-orchestrated ballet,” said Willy Shih, a professor at Harvard Business School. “If you make a delivery to a Walmart distribution center, they give you a half-hour window, and your truck has to show up then.” The changes wrought by the coronavirus, he said, “have thrown the whole thing out of balance, and everything has to readjust.”

While toilet paper is an extreme case, similar dynamics are likely to temporarily disrupt supplies of other goods, too — even if no one’s hoarding or panic-buying. The CEO of a fruit and vegetable supplier told NPR’s Weekend Edition that schools and restaurants are canceling their banana orders, while [grocery stores are selling out](#) and want more. The problem is that the bananas he sells to schools and restaurants are “petite” and sold loose in boxes of 150, whereas grocery store bananas are larger and sold in bunches. Beer companies face a [similar challenge](#) converting commercial keg sales to retail cans and bottles.

It’s all happening, of course, against the backdrop of a pandemic that makes it hard enough for these producers to keep up business as usual, let alone remold their operations to keep up with radical shifts in demand.

If there’s any good news, it’s that we can stop blaming these shortages on the alleged idiocy of our fellow consumers. “I’m absolutely convinced that very little was triggered by hoarding,” Luke said. Even a modest, reasonable amount of stocking up by millions of people in preparation for stay-at-home orders would have been enough to deplete many store shelves. From there, the ripple effects of availability concerns, coupled with a genuine increase in demand due to people staying in, are sufficient to explain the ongoing supply problems.

In the long run, the industry is still optimistic that it can adapt. “We’ve got fiber supply, we’ve got trees,” said Georgia-Pacific’s Abercrombie. “It’s just a matter of making the product and getting it out.”

In the meantime, some enterprising restaurateurs have begun [selling their excess supplies](#) of toilet paper, alcohol, and other basics. Last week I picked up takeout at a local restaurant with a side of toilet paper and bananas. The toilet paper was thin and individually wrapped. The bananas were puny. They’ll do just fine.

This article has been made free for everyone, thanks to [Medium Members](#). For more information on the novel coronavirus and Covid-19, visit [cdc.gov](#).



[Will Oremus Apr 2](#) · [Marker](#)

## Capers: Swap and Shop

### CARA Swap & Shop Policies:

CARA assumes no responsibility for transactions made or inaccuracies in ads. You are responsible for checking your ad and notifying us of any corrections. Swap and Shop listings are open to licensed CARA hams, based on space available. Please submit your list to [w1qk@snet.nent](mailto:w1qk@snet.nent) for placement in the CARA Capers. [Yes – Free advertising for CARA Members.](#)

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*CAPERS is the monthly newsletter of the  
Candlewood Amateur Radio Association  
Editor: Dan Fegley, W1QK*



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## A brief word from our editor...

**CARA CAPERS** is the monthly publication of the Candlewood Amateur Radio Association, Inc. (CARA) and is intended to present news, issues, and opinions of interest to CARA members and the Amateur Radio Community.

We encourage contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world. Permission is granted to reprint material contained herein as

long as proper credit is given to this newsletter and the author.

Ideas for and contributions to the CAPERS should be submitted to: [w1qk@snet.net](mailto:w1qk@snet.net).

Submissions must be received no later than the last Friday of the month preceding month of issue, *unless otherwise specified*.

Submissions should be in MS Word format or ASCII text. Photos should be in .jpg format.

Material received after the deadline will be used in the next month's CAPERS if it's still current and /or newsworthy.

The CAPERS is published by CARA Capers Editor. All material contained herein is considered the opinion of the author and not necessarily that of CARA.

Announcements of events are for informational purposes and do not necessarily constitute an endorsement by CARA. No responsibility for accuracy is assumed by the CARA Capers editor or newsletter staff.

Courtesy of: The Mahoning Valley Amateur Radio Association's Award-Winning monthly newsletter: "Voice Coil" <http://www.mvara.org/News/Current.pdf>

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## Information on how to use Zoom:

<https://support.zoom.us/hc/en-us/articles/201362023-System-Requirements-for-PC-Mac-and-Linux>



## Looking for ways to video conference?

[How Does Skype Work and Is It Expensive to Use?](#)

[Six Alternatives to Skype](#)

### Google Chat/Talk/Voice

Google's Chat, Talk and Voice services provide the same functionality as Skype, both through a downloaded client and via your Google Mail screen. As with Skype, you can make free calls to any other Google user with the appropriate service. You can also call landline and cellphones for a small fee. These Google services require Mac and Linux users to install plugins for their browsers, as the desktop client works only on Windows machines. Talk and Voice also work only for U.S. users, but do allow you to call people outside the country if they use an Extensible Messaging and Presence Protocol (XMPP) format.

### Go To Meeting?

[https://www.gotomeeting.com/meeting/pricing?c\\_name=gget-d-c&c\\_mark=NAPPC&c\\_kwd=Plans and Pricing = SITELINK&cid=g2m\\_noam\\_ggs\\_cpc\\_7170000\\_0060694846\\_58700005493369263\\_p50143970143&gclid=Cj0KCQjw9tbzBRDVARIsAMBplx9NdTe510DtvOvQnpZ5sPXtlEDoOkoS6FXwiAWrqvnZx8wUahQCgLsaAs7SEALw\\_wcB&gclid=aw.ds](https://www.gotomeeting.com/meeting/pricing?c_name=gget-d-c&c_mark=NAPPC&c_kwd=Plans and Pricing = SITELINK&cid=g2m_noam_ggs_cpc_7170000_0060694846_58700005493369263_p50143970143&gclid=Cj0KCQjw9tbzBRDVARIsAMBplx9NdTe510DtvOvQnpZ5sPXtlEDoOkoS6FXwiAWrqvnZx8wUahQCgLsaAs7SEALw_wcB&gclid=aw.ds)

What about using Microsoft Office 365 Essentials?

[Productivity for your nonprofit with Office 365 | Microsoft for Nonprofits](#)

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## What type of Webcam should I consider for video conferencing?

<https://uis.georgetown.edu/zoom/install/equipment/>

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**These webcams work with Zoom on any Windows or Apple desktop or laptop computer.**

- Logitech HD ConferenceCam.
  - Logitech HD **Webcams**.
  - VDO360 PTZ HD Camera.
  - VTEL HD3000PTZ Camera.
  - Vaddio Clearview USB.
  - Microsoft HD **Webcams**.
  - Freetalk HD **Webcams**.
  - Hovercam Solo 5
- Document **Webcam**.

## *Preliminary CARA 2020 Calendar*

*CARA Program and Activities Committee: Marcus – AB1WV, Bud – W1NSK*

**Last Updated 3/9/2020**

### April-

17<sup>th</sup>: meeting – Charlie, KC1IBR Presentation: Drones  
24<sup>th</sup>: Planning meeting via Zoom

### May-

3<sup>rd</sup>: NEQP – operations at W1AW  
8<sup>th</sup>: Meeting – Paul Bourque, N1SFE and Bart Jahnke, W9JJ  
22<sup>nd</sup>: Planning meeting

### June-

6<sup>th</sup> : VE Testing Session  
12<sup>th</sup>: Meeting –Elections and FD prep  
No Planning Meeting in June Scheduled  
27<sup>th</sup> – 28<sup>th</sup>: ARRL Field Day at Tarywile Park

### July-

10<sup>th</sup>: Meeting- Marcus AB1WV -SOTA  
24<sup>th</sup>: Planning meeting  
25-26: NE Ham Expo, Marborough  
26<sup>th</sup>: US Islands QSO Party

### August-

14<sup>th</sup>: Meeting - Hamfest Prep  
21<sup>st</sup>: Planning meeting  
23<sup>rd</sup>: Hamfest

### September-

11<sup>th</sup>: Meeting – Open for Presentation  
19<sup>th</sup>: VE Testing Session  
19?: New Fairfield Days



If you have questions about how to get started in ham radio, *On the Air* has the answers.



*On the Air*, ARRL's new bimonthly magazine for beginner and intermediate hams, is here! All ARRL members can access the digital edition through the new ARRL Magazines app (see details below).

**In the first issue of *On the Air* January/February 2020, you'll get:**

- A guide to buying your first handheld radio
- Step-by-step instructions for building simple antennas for VHF and HF
- A full-page infographic that explains how the ionosphere makes long-distance radio communication possible
- An "Up Close" Q & A with Jeremy Hong, KD8TUO, who reveals his favorite resources for new hams.

*...and much more!*

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### Download the **NEW** ARRL Magazines App!

The perfect companion for members on the go! The new **ARRL Magazines** app replaces the QST app. Use the app to access current and back issues of *On the Air* magazine and *QST*, ARRL's monthly membership journal. The ARRL Magazines App is available free for download in Apple's [App Store](#) and [Google Play](#), or visit [www.arrl.org/ota](http://www.arrl.org/ota) for more info. **If your device is setup to update apps automatically, the ARRL Magazines app will replace the QST app.**

## CARA Hamfest – August 23, 2020



Greetings fellow CARA members:

I'm writing this on the first day of February - and it's cold and snowy outside. But before we know it, it will be end of summer, and time for our annual Hamfest. The "Biggest Little Hamfest in Western Connecticut".

Although there may not be a lot that's needed to do now by the vast majority, it's **never** too early to get the word out.

As we attend other ham and electronics/computer-related events, please take along some of our flyers for distribution. As you speak to vendors, ask them if they're aware of our event. Give them a flyer, get their information and e-mail address, send it to me and I'll contact them. The more the merrier!

I'm sure we all know how much work that's involved to ensure that we have another successful event, and it won't happen without **your** support and efforts.

This year's flyer is on the next page. Print a few and take them with you.

Our event continues to grow every year!

73,  
Vice President – John Morelli, W1JGM  
CARA Hamfest 2020 Chairman

W1JGM@aol.com

THE POWER OF TEAMWORK:  
Video Motivasi – Kerjasama Team (Team Work)  
<https://youtu.be/oqRX02uhicc>



Sanctioned by ARRL

# SAVE THE DATE AUGUST 23, 2020

Sunday, Doors open 8AM

Candlewood Amateur Radio Association  
Annual

## Western CT. Hamfest

The **BIGGEST**, little Hamfest in  
Western Connecticut

Indoor tables \$20 each, Tailgating \$15 / spot

Includes 1 admission

Admission at the door \$7 (\$1 discount with flyer)

Children under 12 Free

**See you at the Hamfest "73"**

CARA is a 501(c)3 organization

FALL "ARES" FORUM  
10:30 IN THE HALL

DEMONSTRATIONS

MAJOR VENDORS

INDOOR TABLES  
OUTDOOR TAILGATING

VE SESSION - 9:30  
NO APPOINTMENT REQ.

REFRESHMENTS  
RAFFLE  
DOOR PRIZES  
50/50  
GOOD TIMES

### TO BE HELD AT

Edmond Town Hall  
45 Main St  
Newtown, CT

[Hamfest.cararadioclub.org](http://Hamfest.cararadioclub.org)

Contact; John Morelli  
(W1JGM)

[Hamfest@cararadioclub.org](mailto:Hamfest@cararadioclub.org)

203-417-0160