



Capers

March- 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>

Next CARA Meeting:
Friday, March 13 – Stony Hill Fire Station, Rte. 6. Bethel, CT

Note - Times for this meeting:
Doors open at 7:00 for socializing and conversation. Meeting begins at 7:30 p.m.



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

President's Message – de AB1WV



All,

Recent winds and unseasonably warmer temperatures have made me start thinking about annual outdoor maintenance. I've got several things to get to in the coming weeks, weather permitting. Recently the coax to my 10M-15M skeleton sleeve has snapped. Not that these bands are great right now, but it is always good to have the options available should they present themselves. I have a Titan DX vertical that has some bent elements that are in need of repair. It still seems to be resonant within the intended bands, but the resonant zones seem to have shifted. Other coax and ropes around my property need attention as well. Projects seem to pile up over the winter and with spring arriving on March 19th, it is time to get after them. Here's hoping you all have fewer maintenance projects this year.

We have a great presentation coming up from Charlie, KC1IBR on the ins and outs of drones. I am really looking forward to his talk and I'm sure it will be very informative.

Remember that the meeting time is now officially moved to 7:30 pm with the doors opening at 7:00. I hope to see you all there.

Marcus
AB1WV

Vice- President's Message:
de W1JGM



Welcome to March!

It's a balmy 71 degrees in New Fairfield while I'm writing this month's column. Normally, there should still be snow around – however, the Maple tree in my yard is budding.

We were unable to hold a planning meeting on February 28th due to prior commitments. This shouldn't have a significant impact on our regular monthly meeting.

There are several members working on upcoming presentations that should be very interesting. Please try to attend the meetings and support your club.

I'll remind those that are behind with your 2020 dues that the deadline to become current is this Friday, March 13. As per our club policies, on Saturday, we'll unfortunately suspend membership privileges - including access to our reflector, and your subscription to the CARA Capers monthly newsletter.

Please support your organization. Without you, progress will be challenging. If there's circumstances why you wish to no longer continue your membership - and want to share, please contact Marcus - AB1WV or me, and let us know. Your feedback is our only means for addressing issues to continue making improvements.

I've heard from a member that used PayPal to pay his dues and was charged a fee by his Credit Card or bank. PayPal may charge a small fee to use their service, depending on how your account is set up and arrangements with your bank. Please check with PayPal and your bank. I paid dues with PayPal without incurring a service fee.

All the details are on the CARA website for PayPal information. <http://cararadioclub.org> Please be a supporter.

Mark your calendar. Our Hamfest will be held on August 23rd at the Edmond Town Hall on Main Street in Newtown. It's been approved again by the ARRL as a sanctioned event. Please help spread the word by printing out a few flyers and taking them to Ham and electronics events. They are on the CARA website and the last page of this newsletter.

See you at the meeting!

73 - John Morelli, W1JGM
CARA Vice President

February 21 CARA Monthly Meeting Minutes

de N1GSA



Meeting called to order at 7:30pm by Pres. Marcus Swearingen.

Meeting called to order at 7:35pm by Pres. Marcus Swearingen.

Pledge of Allegiance was recited.

Round Robin introductions were given with 13 people present.

Minutes of the previous meeting were printed in the CAPERS. Motion made and seconded to accept. Motion passed.

Treasurer reported an opening balance of \$ 5731.30 and a closing balance of \$ 5515.00

Report is for information only.

Repeater Committee reported that some assembly work has been performed to facilitate the installation of equipment at New Fairfield Company A. This includes a closed cabinet that the repeater, controller and other equipment will be contained in.

There are 40 paid members on the roll. There are still some delinquent members that will be dropped from reflector privileges as of March 1st.

John reported that Edmund Town Hall is holding our Field Day deposit in reserve so that we will have this in place for the 2020 event.

Dan reported on Winter Field Day. He has received some QSL cards from this event. There were even a few for 75 meters which was somewhat surprising. He also gave a PowerPoint presentation with some pictures of the event. He also had the complete score breakdown.

Dan also reported on the Presidents Plaque. He was thanked for the extensive work he has done on this project.

Bud expressed previously that he would be willing to make a presentation on Boat Anchor radios for March.

Marcus has been working on getting the Microsoft Office 365 programs working. He has had some problems verifying our qualification for this.

LOTW Callsign Certificates have been renewed by W1QK as per requirement by ARRL. They must be renewed every 3 years.

The Planning meeting will be on February 28th. The next regular meeting is March 13th. Charlie will give a presentation on Drones and the new rules concerning operation of these.

The April meeting will be on the 17. This is a week late due to Easter weekend. Motion was made and passed in January for this change. The planning meeting will be on the 24th.

NEQP is on May 3rd. We normally have a trip to W1AW for operation during this event. Roger – NG1R, will make the arrangements for this with W1AW.

The May meeting is on May 8th with the planning meeting on the 22nd.

The June meeting will be on the 12th. There will be no planning meeting for June as this would be the day before Field Day begins.

Motion was made and seconded to have a lady from Brookfield do updates on our website. Discussion followed. This was rescinded for

now, to be brought up at a later date after consultation with our webmaster.

Motion was made to replace the Hard Drives in the 3 club laptop computers with solid state drives, this would have a \$200 cap on the expense. This was seconded. Discussion followed. Motion passed.

Short recess was enjoyed, which was followed by a presentation by Gregory – WR1Z on the way he Cut the Cable on television.

Respectfully submitted,
Gary S. Adams - N1GSA
Secretary Protem

February 28 CARA Monthly Planning Meeting Cancelled – no minutes.

Last Month's Program:

Presentation by Gregory G. Davis – WR1Z

CUTTING THE CORD - or Not Really:
OTA Broadcast TV Antenna System Design & Installation

INFO CREDITS & LINKS

<https://www.rabbitears.info/>

<https://www.cordcuttersnews.com/>

<https://www.solidsignal.com/>

<https://winegard.com/>

<https://www.channelmaster.com/>

<https://www.dxengineering.com/>

<https://www.digitenna.com/>

<http://www.arrl.org/home>

<https://www.amazon.com/Ancable-Isolation-Transformer-Eliminator-Applications/dp/B074KD8X6S>

<https://www.amazon.com/TII-Broadband-Satellite-Lightning-Protector/dp/B0016AIYU6>

<https://www.gigaparts.com/products/antenna-systems>

<https://www.mfjenterprises.com/>

<https://www.cnet.com/>

<https://www.rtings.com/>

<https://www.roku.com/>

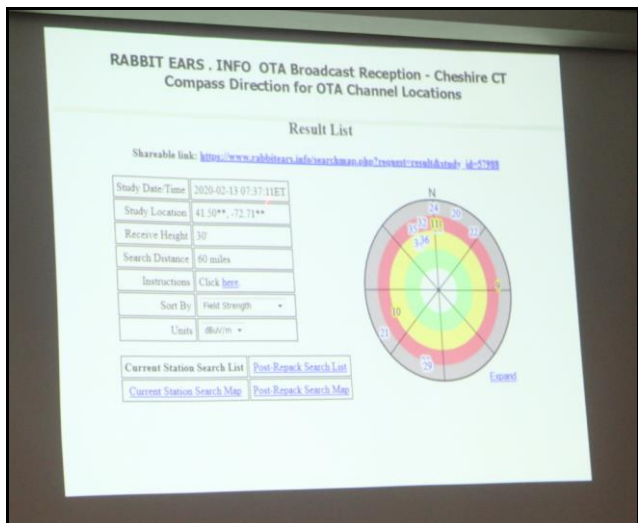
<https://www.wikipedia.org/>

February Snapshots:

Pix submitted by W1QH

CUTTING THE CORD - or Not Really:
OTA Broadcast TV Antenna System Design & Installation – WR1Z





CARA 220 MHz. repeater project update:
de W1JGM:

Work continues on installing the new CARA Bridgecom 220 MHz. repeater.

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 and ordered by NG1R, software needs to be 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.

More details to be discussed at the March and April meetings.

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



CARA 2020 Winter Field Day Report – W1QK

This Month's 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>

Preview -- CARA Meeting Presentation March 13, 2020:

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

By Charlie KC1IBR

Just the acronyms can be confusing:
UAV - Unmanned Aircraft Vehicle
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

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.

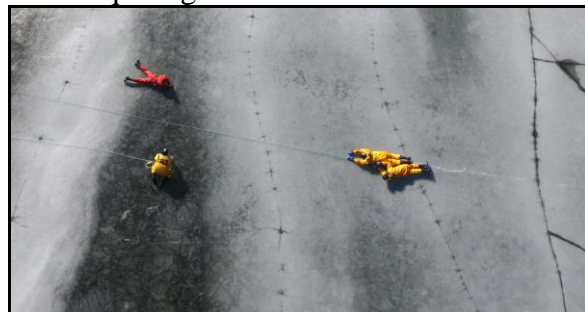


While most of the near-term growth in non-model sUAS will continue to come from consumer grade (over 90 percent), we anticipate a significant part will come from professional grade non-model sUAS as well

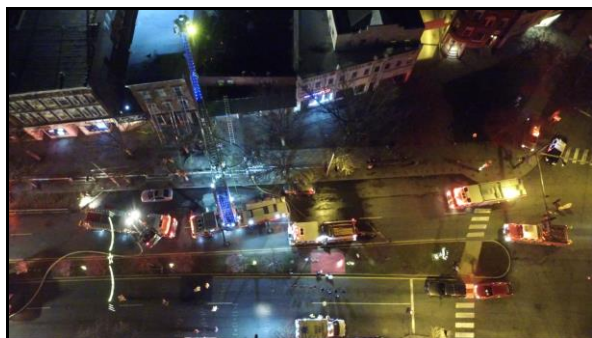
FAA Part 107 rules now address commercial sUAV regulations. Commercial use requires a FAA Remote Pilot license. website <https://faadronezone.faa.gov/#/> provides a clever interface for Part 107 (commercial or Public safety drones <55 lbs) and a separate sub-interface addressing the **“exception for 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 cjs



If you like to read... The FAA's link 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 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

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 13th. 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:

Mar. 13: Monthly CARA meeting

Mar. 14: Tesla HF CW Contest, OK QSO Party, ID QSO Party, Stew Perry 160M Distance Challenge

Mar 20-23: BARTG RTTY Contest, LA QSO Party, VA QSO Party

Mar. 23: ARES Region 5 meeting – Litchfield EOC

Mar. 27-29: CQWW WPX SSB Contest

Mar. 27: CARA Planning meeting

Mar. 11: CWOps CWT Minitest Slow Sessions

Mar. 18, 25: CWOps CWT Regular Sessions
1300Z, 1900Z, 0300Z

April 10: April 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>

Southington Amateur Radio Assoc. Flea Market

HAMFEST/CONVENTION

03/29/2020

Start Date: 03/29/2020

End Date: 03/29/2020

Location: Southington High School
720 Pleasant Street
Southington, CT 06489

Website: <http://www.chetbacon.com/sara.htm>

Sponsor: Southington Amateur Radio Association
Type: ARRL Hamfest

Talk-In: 147.345, -444.200 (PL -151.4)

Public Contact: Bruce Simpson, WA1RR
15 Blansfield Lane Wolcott, CT 06716
Phone: 203-704-7073

Email: bsimpson123@comcast.net

Upcoming CARA Calendar:

Mar. 13 : CARA March Monthly meeting

Mar. 27: Monthly planning meeting – SHFD

Apr. 10: April Capers input deadline

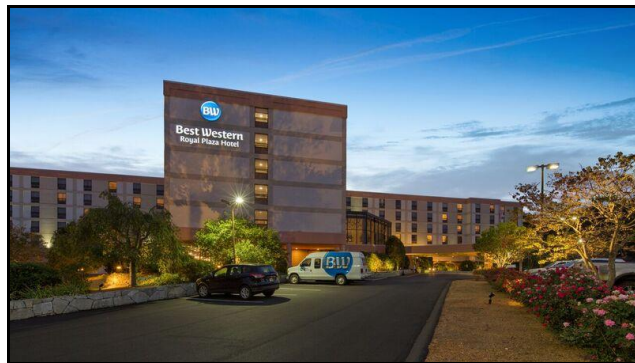
April 17: Rescheduled April meeting

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 24th, 25th, and 26th** 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](http://www.arrrl.org)-affiliated club.

Next scheduled YCCC Meeting:
April 5, 2020

More information on the YCCC website:
www.yccc.org

From the YCCC Reflector:

Re: Horrendous noise source.. Advice?
From: Dale Drake
Date: Sun, 23 Feb 2020 14:35:33 EST
I had what I conclude was a grow light problem here in New Durham too. I read that when you grow reefer from seed you keep the grow lights on 24-7 until they sprout (I guess the lights keep the soil warm) then keep the lights on for 12 hours per day. The interference pattern I saw followed that schedule exactly. The lights were on a timer because I saw the interference turn on and turn off at the exact times every day.

To track down the QRN I used my 20M yagi to get a general bearing then broke out the local map and marked the streets that intersected that direction. With my IC-706 on 10M AM and a 2M mag mount I drove the streets until I found the general area. I was able to localize it to an area around 3 houses on a street about a mile from my station.

Later I returned and used a hand held yagi tuned for the AM aircraft band and my HT to try to locate more it precisely. Once I figured out which house it was I went to the front door and knocked. A women, I would guess to be in her late 60's, answered the door. I explain to her that I was a local ham and that there was radio interference affecting my station that I had localized it to her property. I asked her if I could use my antenna and radio and walk around her yard to try to localize it more. She seemed surprised that I was able to do that. She suggested that maybe it was the new digital, remote reading power meter that Eversource had just installed. I knew it wouldn't be that, but to show her I pointed the antenna directly at it and showed her the interference was not from

that. Next I walked around the house a bit with her and was actually able to localize the source to the second floor, north west corner of the house. She was taken aback that I was able to do that.

I asked her if maybe she had a grow light on. She quickly and emphatically said "no, no no" while shaking her head, with a guilty look on her face. She said she had no idea what it could be but I should call later around 5PM when her son gets home from work and talk to him.

I went back home and planned to call, but then, right around 5PM the interference stopped. I decided I didn't need to call. I haven't had it comeback yet and that was 2 years ago.

New Durham is a small, old Yankee independent kind of town. Very rural, only about 750 homes and a very small police department. It's the kind of place where it's unusual if you don't hear guns shots now and then and commonplace to see folks with a pistol on their belt at the general store. The PD used to bust pot growers regularly but now that it's been decriminalized down to a simple violation they don't seem to be actively going after it so much. NH may never be the reefer capital of the east coast like Dave says about Maine but I fully expect to have more grow light tracking to do it the future.

Dale, AA1QD

New Antarctic island revealed by glacier
From: Charles Morrison
Date: Fri, 28 Feb 2020 22:53:57 EST
SIF Island
<https://www.livescience.com/amp/uncharted-island-discovered-antarctica.html>

-Charlie N1RR

E-mail: n1rr@n1rr.com

Website: www.n1rr.com

Youtube channel: NovemberOne RomeoRomeo

<https://www.youtube.com/channel/UCPDzEf57Ad80cVKOiLZLB7w/video>

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 at www.arrl.org/general-rules-for-all-arrrl-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

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.

de W8ZY:

Annual Statewide Spring CT ARES Meeting to be held at the Southington Hamfest @ 11:00 am.



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

2020 CARA Ham Exam Schedule:



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

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

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

Other upcoming exam sessions:

Litchfield CT 06759-3404

03/10/2020

Sponsor: Northwest Amt

Date: Mar 10 2020

Time: 7:00 PM (Walk-ins allowed)

Contact: Lawrence S. Polowy
(860) 283-4089

Email: lspolowy@snet.net

VEC: [ARRL/VEC](#)

Location: Litchfield Firehouse
258 West St
Park in Rear
Litchfield CT 06759-3404

Milford CT 06460-5065

03/11/2020

Sponsor: Milford Amt Radio Repeater

Date: Mar 11 2020

Time: 7:30 PM (No Walk-ins / Call ahead)

Contact:

(203) 506-9609

VEC: [W5YI VEC](#)

Location: Margaret Egan Center
35 Matthews St
Milford CT 06460-5065

Southington CT 06489-2713

03/29/2020

Sponsor: SARA

Date: Mar 29 2020

Time: 10:00 AM (Walk-ins allowed)

Contact: Michael D. Johnson
(860) 877-6625

Email: marshalmike17@gmail.com

VEC: [ARRL/VEC](#)

Location: Southington High School
720 Pleasant St
Southington CT 06489-2713



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

For a free download, visit:

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

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.



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- Listen to [ARRL Audio News](#), available every Friday.

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- [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!](#)

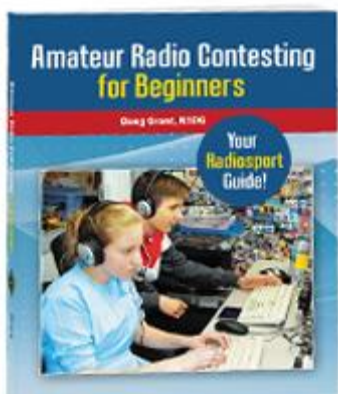
ARRL offers a wide array of [products](#) to enhance your enjoyment of Amateur Radio. Visit the site often for new publications, specials and sales.

[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.



Amateur Radio Contesting for Beginners Your Roadmap to Radiosport!

Contesting is one of the most exciting aspects of amateur radio. It's called "radiosport" because it really is a sport – a competition to see who can contact the most stations in an allotted amount of time. Regardless of the size of your station, you can compete, too!

Amateur Radio Contesting for Beginners includes everything you need to get started.

- Equipment advice
 - Operating guidance
 - Software suggestions
 - Digital contesting tips
- ...and much more!

Written by radiosport veteran Doug Grant, K1DG, this will put you on the path to competitive excitement.

Product Details

Softcover: 240 pages

Publisher: The American Radio Relay League, Inc.

Copyright: First Edition, First Printing

Language: English

ISBN: 978-1-62595-124-3

Product Dimensions: 7 1/4 x 9 inches

Shipping Weight: 1.5 pounds



So Now What? Podcast

<http://www.arrl.org/so-now-what>



Editor: [Brian Moran, N9ADG](#)

March 4, 2020

NEW HF OPERATORS -- THINGS TO DO
To get better at CW Contesting, there's no substitute for participating in real contests -- but the next best thing is a simulation of real contests. [Morse Runner](#) by Alex, VE3NEA, is a CW Contest simulator that provides a realistic contesting experience, including "lid" (poorly behaved) operators, varying band conditions, robot operators that make sending mistakes - everything you might find in a real contest. It's available any time on your Windows computer. It has an integration with *N1MM Logger+* that has been steadily improved by *the N1MM Logger+* development team. With the latest

improvements, you can practice for the [CQ WPX CW](#) contests using *N1MM Logger+* -- just in time to get in a lot of practice before the next one May 30-31, 2020.

You can use a search engine to find all sorts of advice on how to clean keyboards, mice, phones, etc. to reduce the chances of germ transmission. Here's [one that doesn't overly promote a particular brand](#) and even talks about a DIY cleaning solution that won't injure your gear.

CONVERSATION

While You Were Contesting...

On a recent Sunday afternoon at about 3 pm local time - 2300z - my cellular phone started to display "No Service" in the usual location of the network name and signal strength. I was at my computer at the time, and thought it odd. I check my email like a nervous tic, and with alarm noticed that I was being warned by my email provider that I'd logged in "using my phone" from a location in California. Unfortunately, I was sitting at home near Seattle. I immediately suspected what this was about - that I'd just been [SIM Swapped](#) by someone attempting to take over something in my digital life. My suspicion was confirmed when I saw additional messages in additional email accounts reporting attempted access to other financial sites.

If you use any type of online service, you're often asked to provide your cell phone number so you can be sent security messages to verify your identity and intent. A code is sent via text message, or sometimes a robot voice call, and that code is typed in addition to a username and password to secure a bank account or other some other important login. The original intent in using text messages in this way

was that even if a username and password were compromised, that text message would be a last line of defense to prevent hackers from gaining access. Unfortunately, it didn't take long for criminals to figure out how to steal the phone number (and phone service) from cellular phones, and intercept these text messages as well. Once they have all the pieces, they can gain access. Unless you have specifically placed safeguards on your cell phone account with additional PINs (six digits or more) and have blocked all porting requests without presence at a phone store, your account is vulnerable.

Within 40 minutes of noticing "No Service," I was at my provider's retail store with my ID and cellular phone in hand, explaining what had happened. I was fortunate to speak with an employee who realized that speed was paramount, and within 10 minutes he'd canceled the criminal's [SIM](#), my original SIM (that no longer worked anyway), and I had a new SIM in my phone. I also had an additional multi-digit security code on my account, and a notation that no porting requests were allowed without presentation of a government-issued ID.

In the end, I was fortunate. Thankfully, I wasn't too engrossed in the weekend's activities to pay attention to my cellular phone. My online account that was targeted had additional safeguards previously set up - verification codes that were [time based](#), not text based. The criminals were not able to gain access. The cost incurred was a few hours of my time, some peace of mind, and a heightened sense of paranoia that it might happen again. I suspect the reason that I'd been targeted in the first place is that the account provider had suffered a data breach - otherwise, how would the criminals know that I had an account id, correlated with a particular phone number and email address?

If you have online accounts "safeguarded" with text message verification, you may want to investigate making security around those accounts even stronger. And, it's best to be vigilant, even during contests.

That's all for this time. Remember to send contesting related stories, book reviews, tips, techniques, press releases, errata, schematics, club information, pictures, stories, blog links, and predictions to contest-update@arrl.org.

73, Brian N9ADG

OPERATING TIP

Get to Know Multiplier Band Plans

It pays to be familiar with the frequency allocations of some of the multipliers you might need in a particular contest. If you're looking for the Japan multiplier on 160 meters in a CW contest, you'll have to look or CQ between 1.810 and 1.825 MHz, or between 1907.5 and 1912.5 MHz. Those are the only places that JA hams are allowed to operate on 160 meters. In a DX phone contest, you'll hear stations outside the USA operating on 40 meters starting at 7.050 MHz. US frequency allocations for phone operation on 40 meters start at 7.125 MHz, depending on license class



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

Check out 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.



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!

CARA 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.net for placement in the CARA Capers. **Yes – Free advertising for CARA Members.**



Visit us on the Web at
<http://www.cararadioclub.org>

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CARA is an IRS 501(C)3 Organization.
Consider supporting CARA in your estate planning.

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



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.

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>

Preliminary CARA 2020 Calendar

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

Updated 3/9/2020

March-

13th: meeting - Charlie KC1IBR Presentation: Drones
27th: Planning meeting

April-

17th: Bud W1NSK on boat anchors.
24th: Planning meeting

May-

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

June-

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

July-

10th: Meeting- Marcus AB1WV -SOTA
24th: Planning meeting
25-26: NE Ham Expo, Marlborough
26th: US Islands QSO Party

August-

14th: Meeting - Hamfest Prep
21st: Planning meeting
23rd: Hamfest

September-

11th: Meeting – Open for Presentation
19th: 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:

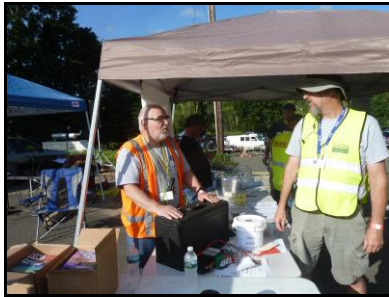
- A guide to buying your first handheld radio
- Step-by-step instructions for building simple antennas for VHF and HF
- A full-page infographic that explains how the ionosphere makes long-distance radio communication possible
- An "Up Close" Q & A with Jeremy Hong, KD8TUO, who reveals his favorite resources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

...and much more!

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 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

Contact; John Morelli
(W1JGM)

Hamfest@cararadioclub.org

203-417-0160