



Capers

October - 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, October 9

***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.***



***Special Meeting Presentation by:
Bud Kozloff – W1NSK and Mark Gilbert – N1MG,
“Boat anchors and restoring old radios”***

President's Message – de W1NSK



Welcome to Fall! With the Fall Equinox behind us, not only are pumpkins and lots of leaves starting to appear, but a higher level of activity across the bands is soon upon us. Hopefully, the beginnings of Cycle 25 will have a quick start to increase higher band activity. Ten Meters anyone? Many State QSO Parties, International Contests as well as the Annual ARRL Sweepstakes (CW/SSB) are soon to be upon us. Sweepstakes is always a great way to work on the Worked All States Award or if you have it already have it, work on the Five Band Award! Check out the Rules in the Contest Section of the ARRL Website. ARRL EME on October 10th and Nov. 28th for those that want to take a shot at some weak signal work is always fun with lots of activity. This time of year, is a good time to get any last-minute antenna work finished for the winter. Less leaves on the trees always helps getting those wire antennas up. Also, it is a good time to work on your CW Speed with various programs helping to do just that more available than ever.

Our club activities continue to be hindered by the very real CoVID-19 threat especially for those in higher risk groups. This time the Christmas Party is in jeopardy of being cancelled. Additionally, I see no meetings at Stony Hill at least until next year and even that is questionable. The Fire house Community Room remains closed for meetings for the foreseeable future. Therefore, the Zoom Meeting format will continue for the foreseeable future. We will also continue our presentation program. This month, Mark, N1MG and I, will do a presentation on Boat Anchors, which will include how to build a “poor mans” Variac.

We are incredibly lucky as a club to be the recipient of a gift of equipment from the Sander Pool estate. A group will be taking the antennas down at Jennifer’s home and collecting the gear including a Kenwood TS 2000 Transceiver. This will be added to the club equipment inventory list which we will be insuring by the end of the year.

Speaking of club equipment, we have talked of a single repository for all the gear, antennas, etc. the club has accumulated over the years. Wouldn’t it be nice to pay a small contribution to have a club room at a suitable location not only for meetings but a station? This could be used for club activities, newbies wishing to get on the air, contests etc. I think this to be a much better alternative than a storage room somewhere. If anyone has any ideas, please bring it up at the next meeting!

We still have several committee leadership posts to fill. It’s our club, and no better fun way to get more involved in the club and the hobby than volunteering for one of these positions. Please contact me or one of our officers to learn more.

See you on the Air es 73!
Bud Kozloff - W1NSK
CARA President

October 9 - Meeting Agenda:

7:30 PM - Call to Order

Pledge of Allegiance

Roll Call

Review and Acceptance of Minutes in CAPERS 10/2020

Treasurers Report

Old Business:

Comm. Reports:

Repeater: Batteries/Solar

Website & MS Office

Asset Comm.

Fundraising: Letter / Raffle

Sander Pool Estate

New Business

Club Room?

Fox Hunt

Christmas Party and Raffle

Motion for end of Business Meeting

Presentation on Boat Anchors

Announcements

Meeting adjournment

Socializing & conversation

Vice- President's Message:
de W1JGM



Fall has arrived as evidenced by cooler outdoor temperatures and nature's annual colorful display.

It's now time to check all your outdoor equipment and antennas and take care of those lingering station repairs while the weather is still nice. There will be many opportunities to get on the air coming soon.

I hope you're all enjoying our hobby as much as I am.

Update of the Spruce Mountain CARA repeater site:

We've heard no updated information about the restoration of the power lines that extend up the side of the mountain that feed the beacon light and the radio equipment at the summit. The repeater committee is researching and engineering the installation of solar power at the container to power our radios and the APRS transmitter. For now, the repeater is working from our backup site in New Fairfield. The 447.775 UHF repeater and the APRS is off the air. More details on this topic will be explained at the meeting.

We're moving forward to complete the Microsoft 365 and implement the new subsequent club E-mail address for each member who would like one. The address would be (yourcall@W1QI.org). Our domain name has been purchased, and the committee reports they are in the final steps.

As we've stated for way too long now - especially as some schools and business are opening; please take the necessary precautions when outside your home. Be situationally responsible.

Please join us for our October business meeting and monthly presentation on Friday October 11 on the Zoom platform. The meeting invitation credentials will be posted on the club's website.

Stay safe and 73,

John Morelli -W1JGM, CARA Vice-President

September 11 CARA Monthly Meeting Minutes
de N1GSA



Meeting called to order at 7:30pm by Pres. Bud Kozloff.

Pledge of Allegiance was recited

Moment of silence was observed to pay respect to those who sacrificed their lives on September 11, 2001.

There were 14 people present.

Dennis W1UE President of YCCC gave a presentation on Contesting. He also gave a presentation on his contesting efforts in Roatan Honduras. There were a number of questions after each. Both were

informative and interesting whether you are an avid contesteer or not.

Minutes of the previous meeting were accepted as printed in the Aug Capers.

Treasurer reported an opening balance of \$5280.18. Ending balance of \$5164.23

Repeater committee reported that there has been no decision from Danbury Fire or Danbury Airport to move forward with repairs to Spruce Mtn. He has been working on designing a Solar system for that location. John, Marcus, and Gregory are also working on this. His active project, at the moment, is the 6 Meter repeater.

John has been working on the Echolink and has ordered a new serial port cable that he expects to eliminate this problem.

We still need a Chairman and Assistant for the Website Committee. Jennifer Doyan is willing to assist with design and upkeep of website. She will waive her previously presented fee for helping us with this. Motion made seconded and passed

The following motion to codify the ongoing maintenance and care of the CARA Website:

Whereas,

-Cara formally recognizes the efforts provided by Jim Ritterbusch for his years as webmaster. Cara asks Jim to transition his knowledge to Jenifer Doyon.

-CARA has agreed to engage Jennifer Doyon as our webmaster and compensate Jennifer for her work and maintenance of the website at a rate of \$20/hour.

-CARA wishes to enhance and maintain a vibrant website and directs the following positions to be content managers and coordinate with Jennifer Doyon. Those who can alter content are CARA Secretary, CARA Capers Editor, CARA Webmaster and CARA President. Any other CARA member or Officer not listed regarding content will coordinate with CARA Secretary who will upon consultation with CARA

President make content changes through the Webmaster.

-CARA Capers editor will post the CAPER's 2 months in arrears.

Motion seconded and passed after short discussion.

Asset Committee of Charlie and Harlan reported on the list. Charlie has made a spreadsheet listing more and more as received. He is still in need of serial numbers as well as pictures of equipment. This can all be placed on the Google Drive for safe keeping.

John and Marcus have been working with Mike to get the Microsoft 365 working. There have been some problems, but these are making progress. We need to acquire a Domain Name for finalization. CARA anything is not available. W1QI is available, as well as Candlewood ARA. W1QI.org would also give us some distinction as a 501c3 organization.

Motion made, seconded and passed to make our domain name, W1QI.org.

Marcus has been appointed to the position of Microsoft 365 administrator. Marcus and Charlie will collaborate on acquiring the domain and listing it with Microsoft.

The equipment from Sandor Pool was discussed. There needs to be a date set for removal and then we need to decide where this will all be stored. Bud will inquire as to a good date and a rain date. John has looked at storage facilities. Some are getting upwards of \$600 per year. This area should be something that has moderate climate control. Stony Hill Firehouse could be contacted about some storage space. Bethel will also be looked at to possibly consolidate and or move that which is more sensitive to that location.

Motion made, seconded been, and passed for additional costs to get the Presidents Plaque updated as well as the one for Jim. This includes authorization of expenditure limit of \$75, up from the previously proposed limit of \$50.

There are still programs needed for upcoming meetings. Dan has offered one for January on LOTW. K1ZFS could be contacted for a program on the MARS system. W1TR could also be contacted about this.

Charlie will take care of a Thank You letter to Marlan for the Fox and other donations from Jay.

The Christmas Party is basically on hold for the time being due to the COVID pandemic.

Tom Kimball is being deployed to New Orleans for hurricane relief.

Tom Coury is still in the area and is feverishly packing for his move to Mass.

Reminder that the next meeting is on October 9th. The deadline for Capers input is October 2nd.

Meeting adjourned at 10:11 pm.

Respectfully submitted

Gary S. Adams Sr. , N1GSA - Secretary

lbs. each. Some are destined for Spruce Mountain. We need to find homes for the rest.

Still working on hearing from Jamie, from the City, about the Repeater. Marcus will work on calculating requirements for solar recharge.

The equipment from Sandor's home. Bud has setup a date of October 3rd for a work party. John will post to the reflector for those that can help.

Prices for a rental location is probably to expensive for our needs.

We need people to step up to host meeting programs.

Meeting adjourned at 8:04

Respectfully Submitted

Gary S Adams Sr. , N1GSA - Secretary

September 25 CARA Monthly Planning Meeting Minutes

Meeting called to order at 7:30pm by VP John Morelli

Pledge of Allegiance was recited

Marcus gave a quick report on Microsoft 365. We now have a domain name. Mike has the info and soon we should be connected so that we can use this. He has been terribly busy this week so it could take some time to get going.

John reported that the batteries will be shipped on Monday. There are 15 batteries shipped to Vermont and then need to be picked up. These are all tested and are fully charged. There is a \$500 shipping charge that we may or may not be responsible for. They are 2 years old and are 100



*CARA has been an
ARRL Affiliated Club - since 1946*

Last Month's program:



Our Guest Presenter was Dennis Egan – W1UE, President of the Yankee Clipper Contest Club.

CARA thanks Dennis for presenting two talks; Getting Started in Contesting and the Roatrain DX operations. The Yankee Clipper Contest Club is a special purpose amateur radio club devoted to the pursuit of operating and technical excellence.

The YCCC is an ARRL-affiliated club.
More information on the YCCC website:
www.yccc.org

Re: *Highly rated Contesting Chair referral* - follow up
To:Dennis W1UE
Wed, Sep 23 at 4:21 PM

Thank you for your prompt response and the information, which I'll pass along to CARA in the October CAPERS newsletter.

Looks like it's still priced at \$150.33 at Walmart.

[Alera Elusion Series Mesh Mid-Back Swivel/Tilt Office Chair, Black - Walmart.com](#)

I've been very satisfied with my Osgood Model 21076 station chair I bought at Staples several years ago.

[Staples Osgood Bonded Leather High-Back Manager's Chair, Black at Staples](#)

Price is a bit lower at \$119.99, plus Staples has a very nice assortment of chairs in the store so you can actually check them out, compared to Walmart, which is only on-line sales.

I confirm your observation that a comfy chair encourages more BIC (butt in chair) time in contests, usually resulting in a higher score.

73 - W1QK

Additional resources related to selecting a chair to use for your operating position:

<https://www.qth.com/ka9fox/chairs.txt>

This Month's program:

de W1NSK

Boat Anchors : From High Voltage and AM to basics of getting started working with them.



Bud Kozloff, W1NSK will take us on a review of :

- What Boat Anchors are
- Why people love them: The emotional attachment!
- Unique Characteristics from today's world of Transceivers
- Where to find them and start your collection!
- The Big Boys of AM



Mark Gilbert, N1MG, will show some of his classic radios he has restored and uses. Ranging from WW2 radios that lived on PT boats, minesweepers and diesel submarines to radios used on P38s and B17s,

in Jeeps and in the trenches. He will show you some of the main steps in restoring a boat anchor, as he is currently restoring a 1959 Collins 75S-1 receiver. He will also show how a simple device that you can build for \$10 that will help you power up old equipment safely.







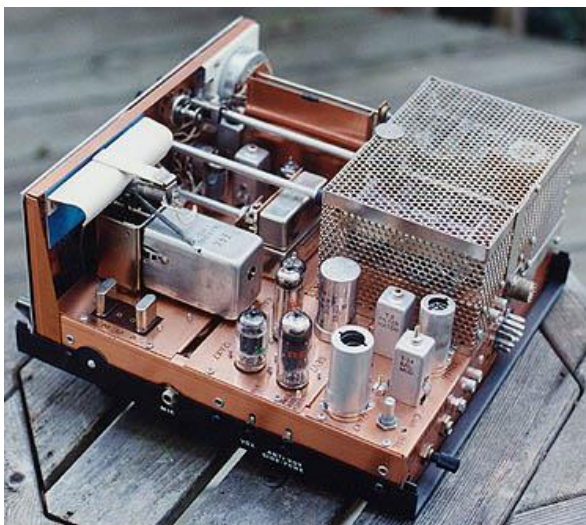


The Best Of The Best
Drake "C" Line



Additional Resources:

https://www.leadertelegram.com/country-today/farm/country-options/high-frequency-waves-connect-washington-island-ham-radio-collector-with-world/article_6c83ca82-3cec-55e6-b3ab-5e2b9e326beb.html



<https://www.pinterest.com/pin/260012578463489768/>



For something nearby:

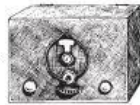


AMATEUR RADIO

EDITED BY JOE FELL, W3GMS, EMAIL: JOSEPHFELL@VERIZON.NET

Bruce Kelley Memorial 1929 CW QSO Party Announcement and Results for the Linc Cundall Memorial CW Contest and AM QSO Party

By Joe Fell, W3GMS



I think we have wrapped up the AWA "On Air" season in great style! Even though our calendar year is not over, I have always considered the AWA "On Air" season as starting with the Bruce Kelley Memorial CW Party in November and concluding with the John Rollins event in March. We have a long 7-month dry spell, but that can be put to good use by building and debugging gear so it's ready for the next AWA "On Air" event season.

All of our "On Air" events are gaining in popularity. We already reported that the Bruce Kelley event showed a 57% higher QSO count, along with 37% more logs received, as compared to the previous year. The Linc Cundall event produced 10% more logs received than the previous year. The AM QSO Party received 30% more logs than last year. I am sure the stats for the John Rollins event will be equally impressive, especially with AM phone operation being added as an option. Once again, we need to talk up our "On Air" events—they should not be the best kept secret in town! Again, I want to give a big thank you to Ray at *Electric Radio* for publishing our event announcements and results. With the

new AWA website, the Amateur Radio portion is easier than ever to navigate. Our webmaster Richard Neidich has been a pleasure to work with on the "On Air" portion of the site.

For this November's Bruce Kelley event, 20 meters has been added. It should be lots of fun getting a decent signal on 20M with a self-excited oscillator. I think that a MOPA would be my choice. In this issue, Dave, WB7WHG has all the event details in his Bruce Kelley announcement.

Ron, W8ACR did a great job assuming his newly appointed role as event coordinator for the AM QSO Party. In addition to being the event coordinator, he operated as W2AN from North Dakota. W2AN was also operated from the AWA Museum this year! They had a great signal and it was so good to hear the James Millen Memorial transmitter back on the air. Big things are happening with the AWA Museum and Amateur Radio with the planned dedicated Ham Shack addition, including stations set up and ready to operate. If you have not contributed to this yet, please considering doing so. See the AWA website for details, and how to donate.

Showing how communications has changed our lives...

Take a trip back in time and technology with a visit to the Vintage radio and Communications Museum of Connecticut. Learn how communications technology has changed our lives.

Hands-on fun for the entire family!

Browse our displays by yourself or take a tour with a knowledgeable tour guide. Many of our displays are "hands on" -- tap out your name in Morse Code; tune a 1925 radio; crank a wind-up phonograph; listen to a home-made crystal set; pick a song from a working juke box.



<https://antiquewireless.org/homepage/video-tour-2/>

<https://www.vrcmct.org/home>

<https://www.vrcmet.org/exhibits-and-collections>



Photos: W1QK

Radio and Communications Links

ARRL - The American Radio Relay League in Newington
<http://www.arrl.org/>

New England Antique Radio Club - Based out of New Hampshire. <http://www.nearc.net/>

Hartford Radio History - Run by Connecticut radio enthusiast John Ramsey.
<http://www.hartfordradiohistory.com/>

Early Television Foundation and Museum - dedicated to the preservation of the technology from the early days of television. <https://earlytelevision.org>

Ottawa Vintage Radio Club - Canadian club dedicated to the preservation and presentation of Canadian Radio History.
<http://www.ovrc.org/index.htm>

Greater New York Vintage Wireless Association
www.nyantiqueradio.org

Military Radio Collectors Association www.mrca.ar88.net

New Jersey Antique Radio Club www.njarc.org

Long Island Radio & Television Historical Society
www.lirtvhs.org

Mid Atlantic Antique Radio Club (and Museum) in Maryland www.maarc.org

Museum of Radio and Technology in Huntington, West Virginia www.mrtwv.org



<https://static1.squarespace.com/static/5c96431a65019f3968277ea4/t/5c98f6911905f4e534d98813/1553528466315/Museum+History.pdf>

Tribute to a Century of Broadcasting - New YouTube Video from Art Donahue "It's a complete AM band scan with station IDs for all 118 AM radio channels from 530 kHz to 1700 kHz recorded off the air from my 2 long wire antennas in the trees here in Franklin."

<https://youtu.be/iKRZJ5uO2Mw>

The AT&T Tech Channel is your source for originally-produced videos about the past, present and future of the world of technology. Search for "Vacuum Tubes"

<https://techchannel.att.com/search>

HelpDesk - Field Service Management Guide: Telecommunications Timeline

<https://www.mhelpdesk.com/field-service-management-guide-telecommunications-timeline>

History of Broadcasting in New York City - This site covers Basic information regarding the history of amateur radio, obtaining your license and links to many other great resources. <https://www.topviewnyc.com/packages/new-york-s-broadcasting-history>

Massachusetts Community College - Technology Guides:

HAM Radio for Beginners - This site covers Basic information regarding the history of amateur radio, obtaining your license and links to many other great resources. <https://careergps.mass.edu/ham-radio-for-beginners>

National Electronics Museum - From telegraph and radio to radar and satellites this site offers visitors access to the electronic marvels that have helped to shape our country and our world. <http://www.nationalelectronicmuseum.org/>

Electrical Circuits Explained - It does a great job of explaining electrical circuits and has a ton of other electronics/engineering projects to play with.

www.homeadvisor.com/r/residential-electrical-circuit-help/

Vintage Hi-Fi - A friendly museum in West Hartford CT housing a collection devoted to the evolution of high fidelity audio equipment. <http://www.vintagehifi.org>

Alabama Historical Radio Society

<http://alabamahistoricalradiosociety.org>

All About Circuits - Since its founding in 2003, AAC has grown into one of the largest online electrical engineering communities. We are a positive, open community of engineers that enjoy sharing knowledge and ideas. Our community takes pride in educating electrical engineers as they grow their experience and knowledge.

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

American Radio History - Two million pages of AM FM & TV Broadcasting history online Great Site!

Museum of early consumer electronics and 1st achievements.

<http://www.rewindmuseum.com/vintagecomputers.htm>

QRZ.com - Art Donahue W1AWX worked in New England broadcasting for 43 years. He has put together a visual history of New England ham/broadcast radio and TV on his QRZ web page.

<http://www.qrz.com/db/w1awx>

Antique Radio Classified - The International Publication For Buyers And Sellers of Old Radios And Related Items--

Antique Radio Classified is antique radio's largest circulation monthly magazine. Monthly issues of Antique Radio Classified include articles on radios, vintage TVs, tube audio equipment, classified ads, ads for parts and services, meet and flea market calendar, repairing old radios, radio history, auction prices, radio photos, and related topics. <http://www.antiqueradio.com/index.html>

TRANSISTOR MUSEUM - Dedicated to Preserving the History of the Greatest Invention of the 20th Century.

http://semiconductormuseum.com/Museum_Index.htm

Radio Repair

The museum no longer offers radio repair, however there are a number of people we can recommend who have a connection to the museum:

Danny Fitzin - Danny fixes all types of radios, televisions and phonographs. Danny also offers radio repair classes at the museum. Click here for more information. Danny has a repair area in our museum and also does repairs at home. Contact him at (860) 684-6646 or (860) 623-1937

Located in Windsor Connecticut. Contact Mike Urban (203) 877-2409 or visit his website. <http://www.urban-antiqueradio.com>

Dixie Speakers Repairs and Sales <http://dixiespeaker.com>

Member Links

Steve Umanetz - Long time museum member. Lots of links for radio stations and polkas as well as other information on his site. <http://www.steveu.biz> Contact Steve at webmaster@steveu.biz.

Phil Temples, K9HI, Appointed as New England Division Vice Director

ARRL President Rick Roderick, K5UR, has appointed Phil Temples, K9HI, of Watertown, Massachusetts, as New England Division Vice Director. He succeeds Mike Raisbeck, K1TWF, who was elected earlier this year as ARRL First Vice President. President Roderick made the appointment after consulting with New England Division Director Fred Hopengarten, K1VR, and the region's Section Managers.

"I want to thank all of those who forwarded their recommendations to Director Hopengarten," Temples said. "Mike Raisbeck



left some big shoes to fill. I look forward to working with Fred, and to advise and assist him with various tasks and board committee assignments. One task I'm especially eager to tackle is launching a New England Division website."

An ARRL Life Member, Temples has been licensed for 50 years, initially as WN9EAY in Indiana. He has written articles for *QST* and contributed articles for the ARRL website. He also co-authored a chapter in the *Amateur Radio Public Service Handbook*.

Temples served three terms as Eastern Massachusetts Section Manager and now is

an Assistant SM and an Assistant New England Division Director. He's also held ARRL field appointments as Affiliated Club Coordinator and Public Information Officer and currently serves as program chair for the Northeast HamXposition.

Temples has been active in MARS, the National Traffic System, and as an Emergency Coordinator, and he enjoys CW. He holds a degree in electrical engineering from Purdue University.

Temples has actively promoted instruction and licensing and is a Volunteer Examiner under the ARRL, W5YI, and Greater Los Angeles ARG Volunteer Examiner Coordinators. He's currently involved with New England Amateur Radio, Inc. in administering remote exam sessions during the COVID-19 pandemic.

Temples is employed at Boston College as a computer systems administrator.

MARS Communications Exercise to Involve Amateur Radio Community

Military Auxiliary Radio System (MARS) volunteers will take part in the Department of Defense (DOD) Communications Exercise 20-4, starting on October 3 and concluding on October 26. The MARS focus is interoperability with ARRL and the amateur radio community.

"Throughout the month of October, MARS members will interoperate with various amateur radio organizations that will be conducting their annual simulated emergency tests with state, county, and local emergency management personnel," said MARS Chief Paul English, WD8DBY. "MARS members will send a DOD-



approved message to the amateur radio organizations recognizing this cooperative interoperability effort."

MARS members will also train with the ARRL National Traffic System (NTS) and Radio Relay International (RRI) to send [ICS 213](#) general messages to numerous amateur radio leaders across the US.

"This exercise will culminate with MARS Auxiliaries sending a number of summary messages in support of a larger DOD communications exercise taking place October 20 - 26," English added. Throughout the month of October, MARS stations will operate on 60 meters, and WWV/WWVH will broadcast messages to the amateur radio community. English assures no disruption to communications throughout the month-long series of training events.

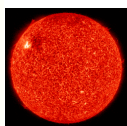
The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Up until September 23, we saw 32 consecutive days with no sunspots. Then new sunspot group AR2773 came into view, with a magnetic signature indicating that it's part of new Solar Cycle 25. According to [Spaceweather.com](#), AR2773 is a weak sunspot group and may not persist for long. The daily sunspot number for September 23 was 13, indicating three sunspots visible in that group.

Average daily solar flux rose from 69.2 to 71.1 over the reporting week of September 17 - 23. Geomagnetic indicators were about the same, with average daily planetary A index declining from 5.3 to 5.1.

Predicted solar flux for the next 45 days is 73 on September 24 - October 1, and 70 on October 2 - November 2.

Predicted planetary A index is 12, 15, 12, 25, and 15 on September 24 - 28; 8 on September 29 - 30; 5 on October 1 - 10; 10



on October 11; 5 on October 12 - 19; 10, 12, 16, 28, 18, and 10 on October 20 - 25; 5 on October 26 - November 6, and 10 on November 7.

ARRL Podcasts Schedule

The latest episode of the *On the Air* podcast (Episode 9) features a discussion on how to tune HF signals and use transceiver tools to enhance reception. The *On the Air* podcast is a monthly companion to *On the Air* magazine, ARRL's magazine for beginner-to-intermediate ham radio operators.



The latest episode of *Eclectic Tech* podcast (Episode 17) features a discussion of how RSID is used to identify HF digital modes, and a chat with Bob Allison, WB1GCM, about mysterious Long

Delayed Echoes.

The *On the Air* and *Eclectic Tech* podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry -- [On the Air](#) | [Eclectic Tech](#).



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



Weekly CARA 2M NET:
W1QI 2M Repeater – 7:30 pm Sunday
Candlewood Amateur Radio Association

**Worked All Connecticut Counties Award,
WACC – Sponsored by CARA:**
<http://www.cararadioclub.org/activities>



Upcoming Contests, Hamfests & Meetings:

Oct. 9: Monthly CARA meeting via Zoom
Oct. 10-11: Pennsylvania QSO Party, NV QSO Party, AZ QSO Party
Oct. 12: CT ARES Region 5 South zoom meeting
Oct. 17: NY QSO Party, Stew Perry 160M distance challenge
Oct. 18: Illinois QSO Party

Oct. 19: Region 5 South ARES meeting via Zoom
Oct. 23: CARA monthly planning meeting via Zoom
Oct. 23-25: CQ WW SSB contest
Oct. 7, 14, 21, 28: CWOps CWT Minitest Regular Sessions - 1300Z, 1900Z, 0300Z
Nov. 4: November 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:
Oct. 9: CARA September Monthly meeting video conference via Zoom
Oct. 23: CARA September planning meeting video conference via Zoom
November 4: November Capers input deadline



From the YCCC Reflector:

Wired article on ham radio
From: [Gene W3UA](#)
Date: Wed, 16 Sep 2020 19:27:41 EDT

<https://www.wired.com/story/amateur-radio-disaster-preparedness/>

Re: Hurricane Teddy
From: Tony Brock-Fisher
Date: Thu, 17 Sep 2020 13:09:14 EDT
I really like this tracking map for hurricanes:

<https://www.wunderground.com/hurricane/atlantic/2020/hurricane-teddy?map=5day&MR=1>

Tony, K1KP



News on China & the Solomon Islands: An island's drive for independence, coronavirus & an island lease

From: [Charles Morrison](#)
Date: Thu, 17 Sep 2020 22:50:34 EDT
This is an interesting article:
"The Solomon Islands has reportedly considered leasing an entire island
<<https://www.rnz.co.nz/international/pacific-news/401755/solomons-ag-orders-central-province-to-terminate-china-deal>>
to China ..."

"But if (the island of) Malaita becomes a separate country, it will come at a cost. In an island where most people live on subsistence farming. University of Queenstown's Clive Moore says it will most likely require a foreign power, like Taiwan, to help prop it up, at least to begin with."

<https://www.cnn.com/2020/09/17/asia/solomon-islands-malaita-intl-hnk-dst/index.html>

Charlie N1RR

End of an era

From: [Jim Idelson](#)
Date: Mon, 28 Sep 2020 20:55:06 EDT

Many of us will be able to say we outlived Hara Arena.

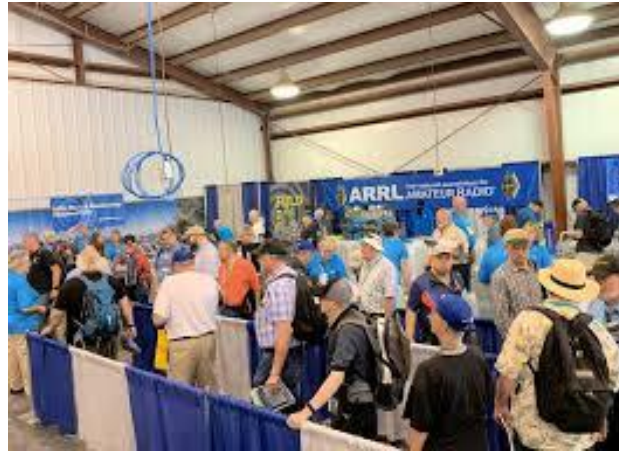
<https://www.springfieldnewssun.com/what-to-know/photos-one-last-look-inside-hara-arena-before-it-is-demolished/QRORXLJXBVD2TORRWH6HSQT2PA/>

73 Jim K1IR

Where it all started... Since 1952 Hamvention® has been sponsored by Dayton Amateur Radio Association (DARA). For many years it has been the world's largest amateur radio gathering, attracting hams from throughout the globe. About 1950, John Willig, W8ACE, had asked the Dayton Amateur Radio Association to sponsor a HAM Convention but was turned down. John wanted to have a quality affair. Speakers and prizes would be a drawing point. John finally found a champion in Frank Schwab, W8YCP (W8OK), the newly elected president of the club. A meeting was held, and the DARA Board allocated \$100 to get started. The first organizational meeting was held in January 1952. The Southwestern Ohio Ham-vention was born. The first committee consisted of: John Willig, W8ACE, General Chairman Al Dinsmore, W8AUN, Arrangements Bob Siff, W8QDI (K4AMG), Prizes and Exhibits Frank Schwab, W8YCP (W8OK), Publicity Bob Montgomery, W8CUJ, Finance Clem Wolford, W8ENH, Program Ellie Haburton, W8GJP (W4ZVW), Women's Committee. The next year the name became "Dayton Hamvention®" and was registered as a trademark. April was determined to be the best time but the Biltmore Hotel, in downtown Dayton was booked. March 22 was the chosen date, causing a short lead time. How far did \$100 go? Not far! A 12" TV was raffled off to help raise funds. The FCC agreed to give license exams and Phil Rand, W1BDM, a pioneer in TVI elimination was on the program. First prize, a Collins 75A2, was purchased locally. Hoping for 300 visitors, the committee was amazed that over 600 showed up! There were 7 exhibitors and 6 forums. The ladies' program was successful with a luncheon at the Biltmore and a trip to a local TV station. In 1955 the Awards Program began with the "Amateur of the Year." The Flea Market has grown from 200 to more than 2000 spaces. In 1964 the Hamvention® moved to Hara Arena. Shuttle buses and handicapped parking were added in 1969. In 1973 it became a 2-day event with Sundays added in 1974. The program has grown to a "Souvenir Program" and

in 1976 the dimensions changed from 6"x 9" to the current 8-1/2"x11". The growth of the Dayton Hamvention® can be attributed to caring, energetic people who enjoy being on a winning team.

Source: <https://hamvention.org/about/history/>





Twisted metal and torn wires still hang from the former Hara Arena more than nine months after it was damaged in the Memorial Day tornadoes.



TROTWOOD, Ohio (WDTN) – City officials have rezoned the former Hara Arena property to allow for light industrial opportunities.

According to officials, the new zoning, which was requested by the property owner, makes the site eligible for more financial assistance for tornado cleanup and opens doors for more businesses to move in.

“It’s definitely an eyesore,” said Coya Mobley, who lives nearby. “They should have torn it down a long time ago.”

According to Chad Downing, executive director of the Trotwood Community Improvement Corp., the property’s previous recreational zoning prevented the property from qualifying for some federal and state aid to help cover tornado cleanup.

Now, under planned unit development (PUD) zoning, the property owner, Mike Heitz of Tax Redevelopment LLC, can obtain that funding, and different uses of the site are allowed in the future, Downing said.



“Things like light manufacturing, office space, health care, university district,” said Downing, adding that storage units and heavy manufacturing are among the types of businesses that are not allowed.

The new zoning makes the site more marketable to businesses, he said.

I Love Dayton: Life coming back to Hara Arena
Neighbors excited for new ownership of former Hara Arena site

“What we would really like to see is a company that can come in and create a substantial amount of jobs that are living wage, that are both available to residents of Trotwood and the greater region,” Downing said.

Significant cleanup work on the site is expected to start within the next month, Downing said.

According to Heitz, who spoke with 2 NEWS Thursday, crews have already started trimming trees and picking up trash around the property, and that work will ramp up over the next few weeks.

Demolition to parts of the building could begin in the next 60 to 90 days, Heitz said, adding that crews will determine how much of the structure can be saved.

Heitz told 2 NEWS he has applied for a \$2 million loan from the Small Business Administration, and the site can qualify for grants and loans from JobsOhio.

The 130-acre property will be up for sale or lease once cleanup is complete, Heitz said, adding his firm will now start to market the building to other companies.

Some neighbors told 2 NEWS they believe their area needs a grocery store most but are still relieved to hear some type of change is planned.

“I’m glad that they’re going to do something with it,” said Nona Rutledge, who lives near the site. “I know everyone can’t have their wishes, but I’m glad they’re going to do something with it.”

About a third of the land on the Hara site is in Harrison Township, Downing said. Heitz told 2 NEWS he plans to apply for rezoning on that part of the property as well.

Don't cry for Hara Arena.

Lyrics and vocals by W1BXY:

<https://www.youtube.com/watch?v=8OKd9pV5W7U>

You won't believe me
You'll think it strange
When I try to explain why we stayed
In that moldering hulk
When we wanted to run
To someplace normal

Where the toilets would flush
And the sewage won't spew
As the building fell down 'round our ears
Tradition kept us coming through

We had to let it happen
We had to change
Couldn't spend every May in that place
With the cobwebs and mice
And I heard it had bugs

So they chose Xenia
And here we are on the fairground that's new,
And are you impressed here at all?
Or do you have the Hamvention blues?

Don't cry for Hara Arena.
The truth is, we had to leave it,
After those fine years,
Oh, such nostalgia
Enjoy your memories
They're not as smelly

Holes in the ceilings, so when it rained
They rigged buckets to catch all the drips,
Though it seemed to us all
They were fooling no one

The place was crumbling,
Full of pollution
Like condemned property,
But for the good of the hobby we still
Kept on when we wanted to flee

Don't cry for Hara Arena
The truth is, it was a S***HOLE
With crusty carpets
And moldy ceilings
It gave us asthma
We'll keep our distance

Have I said too much?
There's nothing more I can think of to say to you
But all you have to do
Is see the place to know
That every word is true...



Many CARA members use
N1MM+ Contest Logger.

CARA thanks Tom Wagner, N1MM, and the entire
N1MM Logger Plus Development and Support
team:

<https://n1mmwp.hamdocs.com/home/program-development/>

The Development Team

N1MM, N2AMG, K3CT, N2IC, KU7T, VE3KI, K8UT, N4ZR, NA3M and AB2ZY comprise the N1MM Logger+ team.

It is a cooperative development venture. If you have programming or other skills we'd be interested in your help.

To help develop, you'll need your own copy of Visual Studio Community 2017 (or later). Contact N1MM to discuss working on this project. Source code is maintained in Microsoft's Azure (formerly TFS - Team Foundation Server).

Tom, N1MM

So, who is Tom, N1MM, and why is he writing a free contest logging program?

That's me in my office at CIGNA. I was at CIGNA for 28 years before retiring in 2009.



Tom Wagner, N1MM

My former real job was as a computer system architect. I worked with application programming teams to help them design applications that would perform reliably, scale and fit into the infrastructure at our company.

I have been employed designing and coding computer systems since I graduated from MIT in 1971. I've been an application programmer, a VM systems programmer, an artificial intelligence system designer and many other jobs within the computer field.

As a ham for over 55 years, my main interest has always been contesting. I don't remember my first contest, but it was probably the Tennessee QSO party. I do remember what a thrill it was the first time I worked over one contact a minute!

In 2000, I got frustrated with the computer logging programs that I was using, because they were buggy and too hard to use. I figured that if I wrote my own, then any bugs that I wanted fixed, I could fix myself!

So why is this program free? It didn't really seem like I could make a lot of money selling it, so why irritate people by asking them for money? If I did that, then there would be a lot

of expectations as to how fast I fix problems, and what features I add.

I still get that, but I can always say: “Hey, it’s free!” I don’t do that often, but it’s nice to know that I can. It keeps the work from becoming a burden.

73,
Tom – N1MM

For a free download, visit:

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

Other Developers

There are many people helping out Tom with N1MM logger. Some of them were at the Dayton Hamvention in May 2009 and below a picture.

Giving names is always a problem as you always forget someone but I still want to mention two of them. Missing were Rick, N2AMG and John, K3CT who could not make it this year to Dayton.

If you are wondering if a freeware logging program can be as good as one you pay for, remember this — this team has more active developers with more relevant years of experience on its development team than any other logging program team — contest or otherwise.



[From left to right in front: Nick NA3M and Steve N2IC. At the back Pete N4ZR, Thomas PA1M and Tom N1MM.](#)



[At Dayton Contest University 2011](#)

[From left to right: Tom N1MM, John K3CT, Pete N4ZR, Larry K8UT](#)



[Dayton 2019 – John K3ct, Steve N2IC, Rich VE3KI](#)

N1MM Logger Logo Artist

Thanks to Julio, LU5MT, for his beautiful and professional artwork that tops the N1MM website and has been incorporated into the desktop software and program icons.



The Amateur's Code The Radio Amateur is

CONSIDERATE...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED...radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC...station and skill always ready for service to country and community.

--The original Amateur's Code was written by Paul M. Segal, W9EEA, in 1928.

SB QST @ ARL \$ARLB023

ARLB023 Northern Florida ARES Requests Clear Frequencies for HF Nets

ZCZC AG23
QST de W1AW
ARRL Bulletin 23 ARLB023
From ARRL Headquarters
Newington CT September 16, 2020
To all radio amateurs

SB QST ARL ARLB023

ARLB023 Northern Florida ARES Requests Clear Frequencies for HF Nets

Northern Florida Section Emergency Coordinator Karl Martin, K4HBN, is requesting that stations not directly involved in the Amateur Radio Emergency Service (ARES) response to Hurricane Sally please avoid 3.950 MHz (primary) and 7.242 MHz (backup).

ARES has activated in four Northern Florida counties. Shelters are open, and power and telecommunications outages are widespread, Martin reports.

NNNN
/EX

SB QST @ ARL \$ARLB024

ARLB024 FCC Grants ARRL Rules Waiver Request for Fire Emergencies, Hurricanes

ZCZC AG24
QST de W1AW
ARRL Bulletin 24 ARLB024
From ARRL Headquarters
Newington CT September 18, 2020
To all radio amateurs

SB QST ARL ARLB024
ARLB024 FCC Grants ARRL Rules Waiver Request for Fire Emergencies, Hurricanes

The FCC has granted ARRL's request for a temporary waiver to permit amateur data transmissions at a higher symbol rate than currently permitted by section 97.307(f) of the FCC Amateur Service rules. The FCC acted to facilitate hurricane and wildfire relief communications within the US and its territories.

Section 97.307(f) limits the symbol rate - the rate at which the carrier waveform amplitude, frequency, and/or phase is varied to transmit information - for HF amateur radioteletype (RTTY)/data transmissions to 300 bauds for frequencies below 28 MHz (except for 60 meters), and 1,200 bauds in the 10-meter (28 - 29.7 MHz) band.

The digital signal must use one of the codes specified in section 97.309(a) of the rules, but an amateur station transmitting a RTTY or data emission using one of the specified digital codes may use any technique whose technical characteristics have been publicly documented.

In 2016, in response to an ARRL petition for rulemaking, the Commission proposed to remove the symbol rate limitations, which it tentatively concluded had become unnecessary due to advances in modulation techniques and no longer served a useful purpose.

However, the FCC did not include the ARRL proposal to limit signal bandwidth to that which the Commission had said it intended when it originally adopted the 300-baud limit. The proceeding is currently pending.

ARRL sought the waiver for amateur radio licensees directly involved with hurricane and wildfire relief via HF using PACTOR 4 modems for communication within the US and its territories, relative to several impending hurricane situations and wildfires in the western US.

ARRL's petition noted that Section 97.307(f) of the amateur rules prevents the use of PACTOR 4, a data protocol that permits relatively high-speed data transmission. ARRL noted that past FCC temporary waivers have allowed this protocol during similar events.

ARRL also stated that trained amateur radio operators with communications equipment are actively preparing to assist radio amateurs involved with the Amateur Radio Emergency Service (ARES) working with federal, state, and local emergency management officials to assist with disaster relief communications.

"We conclude that ARRL's request should be granted," the FCC said. "ARRL stands ready to assist the area potentially impacted by the impending hurricanes and ongoing wildfires to conduct disaster relief communications. ARRL asserts that the higher data rates offered by PACTOR 3 and PACTOR 4 emissions are critical to sending relief communications. We conclude that granting the requested waiver is in the public interest." The waiver is limited to 60 days and applies only to stations in the continental US and Puerto Rico using PACTOR 3 and PACTOR 4 emissions and who are directly involved with HF hurricane and wildfire relief communications.

NNNN
/EX

From the CWops Reflector:

From: Richard Hayman <wn3r.us@gmail.com>
Sent: Friday, September 18, 2020 1:10 PM

<https://haminfo.tetranz.com/map/KN3U>

Everyone, try plugging in your own call to see your ham neighbors.

73, Dick, WN3R

The Ten Commandments For Technicians:

From: [Joe K8MP](#)

Date: Sun, 20 Sep 2020 18:25:28 EDT

These have been around forever. Well, not quite as long as the ones Moses received, but still, quite a while.

The Ten Commandments For Technicians:

- 1) Beware the lightning that lurketh in the un-discharged capacitor, lest it cause thee to bounce upon thy buttocks in a most untechnician-like manner.
- 2) Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, that thy day in this earthly vale of tears may be long.
- 3) Prove to thyself that all circuits that radiateth and upon which thou worketh are grounded and thusly tagged lest they lift thee to radio frequency potential and cause thee to make like a radiator, too.
- 4) Tarry not amongst those fools that engageth in intentional shocks, for they are surely non-believers and are not long for this world.
- 5) Take care that thou useth the proper method when thou takes the measure of a high voltage circuit lest thou incinerate both thyself and thy meter, for verily, though thou hast no account number and can be easily surveyed, thy test meter doth have one and, as a consequence, bringeth much woe unto the supply department.
- 6) Take care thou tampereth not with safety devices and interlocks, for this incurth the wrath of the supervisor and bringeth the fury of the safety inspector upon thy head and shoulders.
- 7) Work thou not on energized equipment, for if thou dost, thy fellow workers will surely buy beers for thy widow and console her in other ways.

8) Service thou not equipment alone, for electrical cooking is a slothful process and thou might sizzle in thine own fat for hour upon a hot circuit before thy Maker sees fit to end thy misery.

9) Trifle thou not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug and thy wife have no further use for thee except thy wages.

10) Thou shall not make unauthorized modifications to equipment, but causeth thou to be recorded all field changes and authorized modifications made by thee lest thy successor tear his hair out and go slowly mad in his attempt to decide what manner of creature hath made a nest in the wiring of such equipment.



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!

FAA Finally Activates LAANC System for Recreational Unmanned Aircraft System (UAS – aka drone) Flyers in the Danbury Area:

The fast-changing FAA Rules for Recreational sUAV Flyers.

By Charlie KC1IBR

Effective September 24th the Federal Aviation Administration issued a bulletin announcing that 133 new LAANC enabled sites just came on line. DXR, Danbury Municipal Airport is now one of those! Goodness it took forever.

LAANC is the **Low Altitude Authorization and Notification Capability** collaboration between FAA and Industry. It directly supports UAS integration into the airspace. A UAS operator operating under the new system obtains an authorization from the FAA via apps from approved vendors via text message.

This long awaited development now allows recreational drone operators to fly in controlled airspace provided LAANC authorization is issued. During the interim while LAANC was being deployed the recreational flyer was prohibited from obtaining a verbal authorization in controlled airspace from applicable FAA Towers which was the practice up to ~2018. (Controlled air space is typically within five miles of airports).

This new system once again allows recreational “droners” like myself to take to the local skies and enjoy such great views over the Danbury area. It should be mentioned that of course there are large areas of no fly zones around airports but LAANC addresses the allowable areas in the controlled airspace.

LAANC provides:

- Near-real-time system of approval for flights has been rolled out locally
- Drone pilots with access to controlled airspace at or below 400 feet.
- Awareness of where pilots can and cannot fly.
- Air Traffic Professionals with visibility into where and when drones are operating.

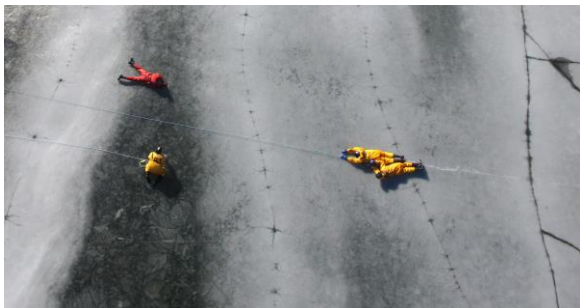


Recreational UAV operators fly under the “*exception for recreational flyers*” (also referred to as the **Section 44809**, *Exception for limited recreational operations of unmanned aircraft*).

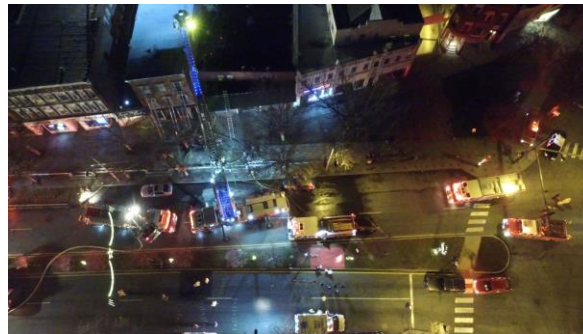
The FAA at https://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/1036029 cites Advisory Circular 91-57b **Exception for Limited Recreational Operations of Unmanned Aircraft** which puts forward many points of regulations

The FAA also 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).



1 Danbury Fire Ice Rescue Training cjs



South St/ Memorial Drive at 100 ft. (Oct 2020)

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 local LAANC system came just in time to enjoy the autumnal views from a totally different perspective... bird views! Thank you FAA!

Miscellaneous Info Sources

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> law

https://www.faa.gov/documentLibrary/media/Advisory_Circular/Editorial_Update_AC_91-57B.pdf

[Just the acronyms can be confusing: ‘
UAV - Unmanned Aircraft Vehicle Or
UAS – Unmanned Aircraft System
sUAV – Small Unmanned Aircraft Veh
sUAS – Small Unmanned Aircraft System
 OR... more commonly “drone”]

Typical LAANC Authorization received by text (redacted)

LAANC ██████
Request Approved
Authorized by FAA
██████ / DXR 10/01/20 8:55 pm
UTC 10/01/20 9:55 pm UTC 100ft.
In accordance with 49 U.S.C. §
44809(a)(5), your operation is
authorized within the designated
airspace and timeframe
constraints. Altitude limits are
absolute values above ground
level which shall not be added to
the height of any structures.
This Authorization is subject to
cancellation at any time upon
notice by the FAA Administrator
or his/her authorized
representative. This
Authorization does not constitute
a waiver of any State law or
local ordinance. C ██████ is
the person designated as
responsible for the overall
safety of UAS operations under
this Authorization. During UAS
operations for on-site
communication/recall, ██████
shall be continuously available
for direct contact at (203)
██████ by Air Traffic. C
██████ is responsible to check
the airspace in which the UAS
will be operated and comply with
all restrictions that may be
present in accordance with §
44809(a)(5), such as restricted
and prohibited airspace,
temporary flight restrictions,
etc. This authorization is
subject to the following
conditions: (1) operations are
not authorized in Class E surface
area airspace when there is a
weather ceiling less than 1,000
feet AGL; (2) if the UAS loses

communications or loses its GPS
signal, it must return to a
predetermined location within the
operating area and land; and (3)
the person manipulating the
controls of the UAS must abort
the flight in the event of
unpredicted obstacles or
emergencies.

Vin [N2OHH] (Y) via

CARA <cara@cararadioclub.org>Unsubscribe

To: cara@cararadioclub.org

Sat, Sep 19 at 6:52 AM

What will this mean for the future of Amateur Radio? In
5 years? 10? 25? ...

<https://www.ecse.rpi.edu/index.php/news/meet-future-wireless-needs-spectrum-sharing-policies-need-upgrade-0>

To Meet Future Wireless Needs, Spectrum
Sharing Policies Need an Upgrade

Posted September 9, 2020



*ECSE Prof. Alhussein Abouzeid's NSF
grant supports research into optimal
spectrum sharing policies*

Cellphones, televisions, and computers all rely on
the wireless spectrum, a series of signals that
travel through the air by way of radio frequencies.
Ever-increasing demand for this finite resource

requires that policies and protocols aimed at coordinating spectrum use be updated and optimized.

With the support of a new [National Science Foundation grant](#), Alhussein Abouzeid, a professor of electrical, computer, and systems engineering at Rensselaer Polytechnic Institute, will develop a series of mathematical models that will help optimize policies governing spectrum use nationwide.

“There’s an exponential increase in demand, and the wireless spectrum is already completely allocated,” Abouzeid said. “We can’t meet the demand for wireless by statically allocating more spectrum because we’ve run out. We have to modify our policies to result in much more efficient systems and better value for all stakeholders.”

To illustrate his point, Abouzeid compared the wireless spectrum to the acoustic spectrum. If too many people are trying to speak at the same time, their voices will interfere with one another. Similarly, if too many people try to use the same frequency on the wireless spectrum, there can be interference. Technological and regulatory innovations are needed to coordinate use, increase optimization, and meet needs.

In order to coordinate spectrum use, regulators use an approach known as dynamic sharing, which is similar to ride-sharing technologies in that it matches spectrum resources that operators have with users who need them. Despite more than a decade of research on this spectrum sharing approach, Abouzeid said, there is still more to learn about these policies and how they impact wireless spectrum utilization.

Through this work, Abouzeid and his team will develop tools and mathematical models that can be used to help researchers and regulators design more efficient spectrum sharing policies specific to different regions within the country.

“The project is looking at how to come up with rules and policies in different markets based on

the given technologies that we have, as well as future technologies that will approach the physical fundamental limits,” Abouzeid said. “We want to develop policies that make sense for the users and the operators.”

This project also includes educational development aimed at preparing the next generation of engineers to design and operate high-performance networks. Abouzeid and his team will create new coursework to be offered at Rensselaer and design educational activities and outreach for K-12 students.

2020 Ham Exam Schedule



Upcoming 2020 Amateur radio exams:

Litchfield CT 06759-3404

10/13/2020

Sponsor: Northwest Amt

Date: Oct 13 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

Wallingford CT 06492-2327

10/17/2020

Sponsor: Meriden Amateur Radio Club

Date: Oct 17 2020

Time: 9:00 AM (Walk-ins allowed)

Contact: Donald G. Mitchell
(203) 239-2077

Email: dmitchell1273@sbcglobal.net

VEC: [ARRL/VEC](#)

Location: Hope Hill Firehouse
143 Hope Hill Rd
Pre-Registration Preferred
Wallingford CT 06492-2327

Washington Depot CT 06794-1201

10/17/2020

Sponsor: Northville ARA

Date: Oct 17 2020

Time: 9:00 AM (Walk-ins allowed)

Contact: Gary Michael. Walters
(860) 938-2030

Email: w8zy@na1ra.net

VEC: [ARRL/VEC](#)

Location: Washington Volunteer Fire Station
109 Bee Brook Rd
Washington Depot CT 06794-1201

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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>

- **From:** ARRL Members Only Web site
 <memberlist@www.arrl.org>
Date: October 3, 2020 at 8:45:57 PM EDT
Subject: News of an ARES online Course available in October

This just came to the attention of the New England ARRL Vice Director. Phil Temples, K9HI has asked that this news be shared with Connecticut amateurs.

NEW ENGLAND ARES ACADEMY ONLINE

The first-ever New England Division ARES Academy, originally scheduled for the Division Convention in November, will instead be held over a period of several weeks in October via Zoom. There are five Basic Track classes for those just getting started, and more advanced classes and workshops for those who already have the basics. One-hour classes will be held on weeknights from 7:30 to 8:30 PM EDT, and two-hour workshop sessions will be held Saturday mornings from 9:00 to 11:00 AM EDT.

A big benefit of the online schedule is the opportunity to take every single class and workshop instead of having to pick and choose.

Weeknight class participants will be able to ask questions and interact with the instructor via chat. The two-hour Saturday workshops are designed to be even more interactive. Academy Instructors are all recognized experts in their subject area.

The NE-ARES Academy is an outgrowth of the successful NH-ARES Academy program that ran at the NH State Fire Academy for eight years. The

program's goal is to offer both basic and advanced skills training based on ARRL ARES training standards.

For more information and to register, visit

<https://hamxposition.org/2020/ne-ares-academy>.

ARRL Connecticut Section
 Section Manager: Charles I Motes Jr, K1DFS
 k1dfs@arrl.org

Capers: Swap and Shop

CARA Swap & Shop Policies:

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Quantity	Item	Price each
1	MFJ-259B	\$150.00
2	Fiberglass Mast Kits with tripod and antenna accessories	\$75.00
1	IC-706 Mk II G	\$600.00
1	Ameritron SDA-100 Screwdriver Antenna	\$400.00
1	West Mountain Radio TARGETuner	\$120.00
1	2 M Antenna with feedline	\$20.00
1	440 Cushcraft Ringo Ranger	\$50.00
1	10' Push Up Canopy with sidewalls and leg weights	\$50.00
1	Camp Chair	\$25.00
1	Skeleton sleeve antenna 80/40 M	\$40.00
1	Skeleton sleeve antenna 20/15 M	\$30.00
1	Skeleton sleeve antenna 10/6 M	\$20.00
1	ICOM IC-756 Pro III Transceiver	\$800.00
1	Go-Kit with following Equipment	\$1,200.00
	ICOM IC-7000 Transceiver	
	LDG IT-100	
	Yaesu FT-8900	

Kantronics KPC-3+
West Mountain Powergate
West Mountain Rigrunner
USB Hub
Tigertronics Signalink
Speakers

Contact: Roger – NG1R; 203-790-9697 or
roger.mitchell@snet.net



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

Executive Board:

President – Bud Kozloff, W1NSK
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David Coelho, WA1JGA – davidcoelho@gmail.com

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
w1qk@snet.net*



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 date indicated in the 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>

The [ARRL Ohio Section](#) has a club newsletter competition each year, originally started by Joe, K8QOE, in 1992. His thought was that the competition would improve the quality of newsletters in general. Joe set consistent criteria and standards for judging, which have been

borrowed by "a number of ARRL Sections and even Divisions." Any organization that publishes a newsletter via their website can benefit from suggestions by John, KD8IDJ, the Ohio ARRL Public Information Coordinator, as published in the [August 2020 Portage County Amateur Radio Society \(PCARS\) Radiogram](#):

- Make the link to your newsletter large and predominant on your club's website
- Ensure that your website and newsletter display well on tablets and phones

John also points out that many Ohio Section club newsletters are available via the [Ohio Section newsletter page](#). Oh, and the PCARS Radiogram? It earned 2nd place in the Ohio Section newsletter competition, and first place in the Great Lakes Division!

CARA Standing Committees:

Updated: October 4, 2020 by W1QK

Just a reminder to all members that these are the standing committees that help make CARA run and fun.

Our members and their ideas are our strength.

Please step forward to serve your club with one of these committees. You'll notice that several CARA members serve on multiple committees.

Talk to any member of the Executive Committee or Director to volunteer!

We're hoping to see your name on at least one of these important committees.

CARA Repeater and Digital Equipment:

Repeater coordination
Repeater maintenance
Other digital equipment

Chairman: Gregory Davis – WR1Z

Committee Members:

John Morelli – W1JGM
Marcus Swearingen – AB1WV
Vincent Thompson – N2OHH
Charles Setaro – KC1IBR
Dan Fegley – W1QK

CARA Operating Activities:

Winter Field Day, New England QSO Party, ARRL Field Day, New Fairfield Day Special Event Station, Peter Weinberger New Fairfield Car Show Scholarship Fundraiser Special Event Station, 2M Fox Hunt (hidden transmitter).

Chairman:

Committee Members:

Annual CARA Hamfest Fund-Raising event:

Chairman: John Morelli – W1JGM

Committee Members:

Marcus Swearingen – AB1WV

Bill Webb – W1AFX

Charles Setaro – KC1IBR

Membership:

Annual dues notification and follow up

Annual new member drive

Chairman: John Morelli – W1JGM

Education and Elmering:

Organize or sponsor class for entry-level license

Organize Elmer support network for new hams

Organize two 3-person ARES deployment teams

Committee Chairman:

Committee Members:

Youth Committee:

Committee Chairman: Keith Iwanicki -W1KRI

Committee Members:

Program and Activities:

Organize and arrange monthly program

Organize activities

Annual Holiday Gathering

Summer Pasta Party

Committee Members:
Bud Kozloff – W1NSK
Marcus Swearingen – AB1WV



Weekly CARA Sunday 7:30 PM Net:

Committee Chairman: David Teagarden – KB1ZAC

Committee Members:
Tom Coury – WX1T
Charles Setaro – KC1IBR

CARA Capers:

Monthly newsletter staff
CARA Capers Editor:
Dan Fegley – W1QK

Development Committee:

Seek and obtain alternative sources of funding for club events and activities

Committee Chairman:
Committee Members:

Website Committee:

Maintain the CARA Website

Committee Chairman:
Committee Members:

Charles Setaro – KC1IBR
John Ahle – W1JMA
Roger Mitchell – NG1R
Dan Fegley – W1QK

Please advise your Capers Editor of any changes to this list.

THE POWER OF TEAMWORK:

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

Tree City USA

In a letter from Sen. Richard Blumenthal, the Town of Brookfield was honored with earning the Tree City USA recognition for 2019 from the Arbor Day Foundation, National Association of State Foresters, and the USDA Forest Service.

The town is one of 16 Connecticut communities to merit this accomplishment. Healthy

community forests help make our state a better place to live by increasing the amount of shade, improving air quality, and creating a natural setting. Moreover, commitment to impressive forestry on a small scale helps further the nation's efforts to conserve energy. As the smallest community in Connecticut named a Tree City, Brookfield should be especially proud of this accomplishment. This designation is the result of the dedication and hard work of Land Use staff and the Conservation Commission. The re-certification as a Tree City for the past 12 years has been an asset to programs hosted by the Conservation Commission and the Town, and has aided with various tree education events and community forestry projects. More information on this program is available at [Tree City USA](#).

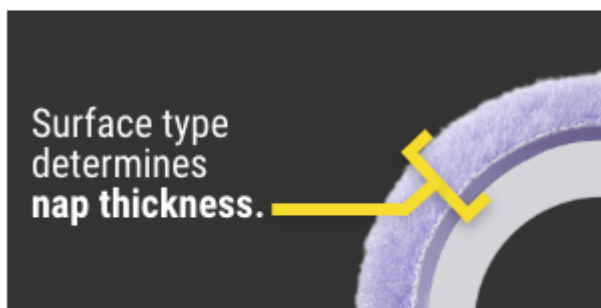
Steve Dunn
First Selectman



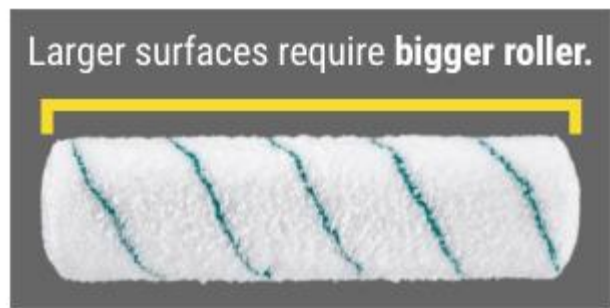
Now for something a bit different for CARA members who are planning to repaint the shack:

		
Knit	White Woven	Micro Fiber
Textured Finish	Fine Finish	Best Finish
Low Coverage per Pass	Medium Coverage per Pass	Highest Coverage per Pass
Some Shedding	Lowest Shedding	Minimal Shedding
	22% More Coverage** Per Coat (Total Roll Distance)	82% More Coverage** Per Coat (Total Roll Distance) <small>**compared to Better roller</small>
		
SHOP NOW	SHOP NOW	SHOP NOW

2. Pick the right thickness.



3. Pick the right size.



Hi-Gloss Paint

1/4 in.

Smooth Surfaces

Metal & Wood

4 in.

**Trim, Furniture
& Cabinets**

Semi-Gloss, Satin
or Eggshell Paint

3/8 in.

**Smooth to
Semi-Smooth
Surfaces**

Ceilings & Walls

6 in.

**Doors
& Small Rooms**

Matte &
Flat Paint

3/4 in.

Rough Surfaces

Decks, Siding & Stucco

9 in.

**Large Rooms,
Decks, Siding
& Stucco**

Source: Harbor Freight email



<https://nypost.com/2020/09/22/100k-florida-home-covered-in-budweiser-cans-sparks-bidding-war/amp/>



The devoted drinker of domestic brew was a native of Buffalo, New York, and served as a radio teletype decoder aboard an aircraft carrier before moving to Florida in the late 1970s.

Johnson said Amelotte began drinking Budweiser in memory of his father, who also enjoyed partaking in the King of Beers.

Amelotte purchased the corner unit at 4707 Lucerne Lakes Boulevard East in 1986 and began putting cans on the walls about 1990 — completing the project sometime around 2006.

“Every can of beer on that wall was drunk in that house,” said Johnson, who met Amelotte at a Red Lobster, helped him find work at a golf course and was by his side when he passed away. “He did not go through any dumpster, because whenever somebody came over, they brought a case of beer. He was a super guy.”

Editor: Now, we need someone to cover the walls and ceiling of their house (or at least their shack) with QSL cards.

Preliminary CARA 2020 Calendar

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

- October 9 - Monthly meeting via Zoom; Presentation by Bud Kozloff - W1NSK and Mark Gilbert on "Boat Anchors and their refurbishment".
 23 - Monthly planning meeting via Zoom
- November 13 - Monthly meeting via Zoom
 27 - Monthly planning meeting via Zoom
- December 11 - Monthly meeting via Zoom. Presentation by Phil Temples, K9HI, newly appointed ARRL New England Division Vice-Director

