



# Capers



January - 2019

The Monthly Newsletter of The Candlewood Amateur Radio Association  
P.O. Box 741 – Hawleyville, CT 06440-0741  
Visit us on the Web at <http://www.CaraRadioClub.org>

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**Next CARA Meeting:**  
**Friday, January 11 - Stony Hill Fire Station, Rte. 6. Bethel, CT**



**Doors open at 7:30 for socializing and conversation. Meeting begins at 8:00 p.m.**

**Agenda:**

- **Pledge of Allegiance**
- **Reading of Minutes from last meeting – N1GSA**
- **Treasurer's report – WX1T**
- **Old Business**
  - **Winter Field Day Planning – W1QH, KC1IBR, W1NSK**
  - **CARA Go-Kit Project update – W1QH**
- **New Business**
- **W1-QSL Bureau DX QSL Card Pre-sort & Pizza**
- **Adjourn**

## *President's Message - de AB1WV*



All,

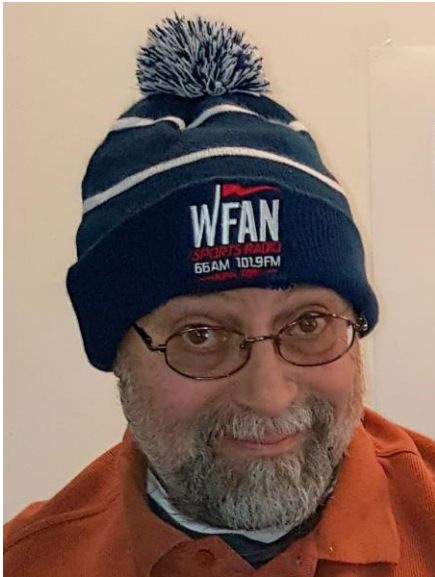
Well I hope everyone had a great holiday. We had a fun time in Colorado and it was nice to visit with my family. I am back now and trying to get back into the swing of things again.

I hope to see all of you at our next meeting on January 11th. We will be finalizing our plans for Winter Field Day to be held January 26 - 27, at the Stony Hill Fire House. It promises to be a fun opportunity to get on the air with all your CARA friends. Our WFD Committee has been working hard organizing this event and I can't wait to see the final plans. This meeting is also our annual QSO Card Sort Square Dance. We've got 2 boxes to get through and there will be pizza.

It should be fun and I look forward to seeing all of you there.

Marcus  
AB1WV

## Vice-President's Message de N1NRP



Greetings CARA members and friends of CARA:

HAPPY NEW YEAR!

I'm writing this message on my Smartphone, since I'm still at the Danbury Hospital – recuperating from what I anticipated would be a simple surgery. But unfortunately, there were complications.

I thought I was a goner.

Thanks to our Capers Editor for editing my VP message.

I'm looking forward to CARA's second participation in Winter Field Day. This time, from the Stony Hill FD, which we last used in December, 2016 when CARA operated during the ARRL National Parks on the Air event. SHFD is located directly on the Washington-Rochambeau National Historic Trail (Route 6). As I recall, we made many contacts and hung several wire antennas in the trees. It's similar to the June ARRL Field Day and is growing in popularity among clubs. This is a wonderful opportunity to learn how to set up a portable

station and operate some HF with several modes if you haven't done it before.

Here's a link to the Winter Field Day website, which includes the particulars, including our score summary from last year.

<https://www.winterfieldday.com/rules>

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It's that time of year, so members – please take care of your CARA dues renewal soon.

\$30.00 Full Member \$45.00 Family (2

Members)

\$15.00 Senior (65+)/Student (Under 18)

\$60.00 Family (3 Members)

\$30.00 Associate Member (Non-Ham)

\$75.00 Family (4 Members)

If anyone wishes to become a CARA member but cannot afford the Membership Rate, please speak with the President or Treasurer, and special arrangements can easily be made.

There are now three ways to handle this:

1. Bring a check to the January meeting, payable to "CARA"
2. Mail a check to the CARA post office.  
Candlewood Amateur Radio Association  
P.O. Box 741  
Hawleyville, CT 06440-0741
3. Log onto the CARA website and click on the PayPal option. (Friends & Family). Ensure your name and callsign are entered on the transaction.

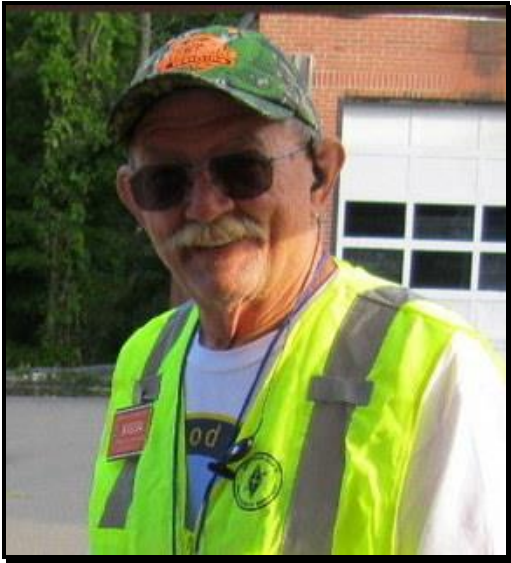
<http://www.cararadioclub.org/>

Thank you for your prompt attention to this request.

73, Jay - N1NRP

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## December 14 CARA Meeting Minutes de N1GSA



Meeting called to order at 8:00 PM by Marcus Swearingen.

Pledge of Allegiance was recited.

Minutes of the last meeting were read and accepted.

Treasurer reported a balance of \$5088.07.

There was no report from the Repeater Committee this month.

Harlan reported on progress of the Go-Box. John Ahle has donated an IC-7800 to be used in this box. At a minimum, the box will include a power supply along with this radio. There is a possibility that we may have digital capabilities with this unit. Dan brought up about insuring this kit and or radio. Tom will contact ARRL as to investigate the cost for this.

Harlan stated that we should look for other housing for some of the club radios and equipment.

The annual DX QSL card sort was discussed.

Winter Field Day was discussed with the final details to be ironed out at the January Meeting. Do we want to include outside groups for this? Do we want to invite some of the Boy Scout and Girl Scout Troops to attend and be introduced to Ham Radio? Will we want to have some form of food for participants?

Harlan brought up about the new computers that we are using. There is one of these that was completely out of battery voltage. Motion made to purchase 2 new batteries for these units. That way we have one replacement along with one for use as a spare. We will investigate carry bags for these as well.

Round Robin introductions were performed with 9 members present.

Various modes, upcoming YCCC meetings, and other upcoming events were mentioned.

Formal meeting adjourned at 9:04.

Respectfully Submitted,

Gary S Adams, N1GSA

Secretary

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## CARA December 28 Planning Meeting Minutes:

Meeting cancelled – no minutes.

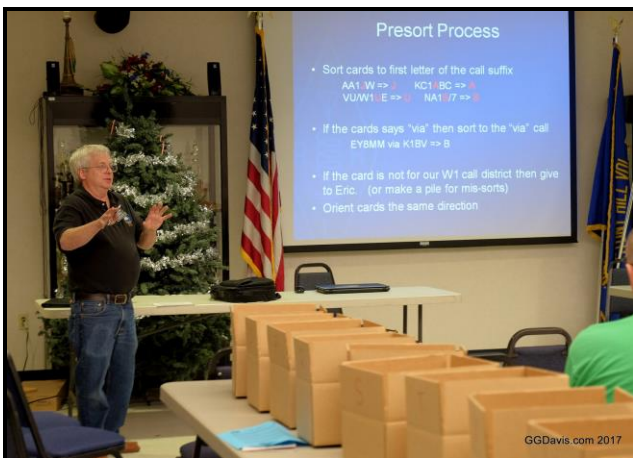
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# This month's meeting activity:

W1-QSL Bureau QSL Card – incoming pre-sort. Pizza and beverages to be supplied.

Photo Credit – WR1Z



[Link: http://www.w1qsl.org/](http://www.w1qsl.org/)

## W1- QSL Bureau

Welcome to the W1 **Incoming\*** QSL Bureau, sponsored by the Yankee Clipper Contest Club and staffed by over forty dedicated New England radio amateurs and area clubs who volunteer their time to distribute DX QSL cards to you.

Although the Incoming Bureau system operates under the support and guidance of the ARRL, you are not required to be an ARRL member to use it.

The W1 QSL Bureau receives DX QSLs from outgoing foreign QSL bureaus and DX stations. We sort the cards and mail them to hams having a first area callsign. We try to send out cards about three times per year depending upon the availability of cards from the DX bureaus. Each year we process about 100,000 cards.

The W1 QSL Bureau does not accept stamps or

envelopes. We require that you send money credits rather than SASEs. We can use the exact postage which is needed for your shipment plus a service charge of 10 cents plus 10 cents per ounce. It is also less expensive for you as no funds are wasted on unnecessary postage.

**\* We are an Incoming Bureau. We only process cards coming into the W1 call area.**

Click [here](#) to manage or add funds to your account.

[Online tool](#) to check your account status. Available for most sort letters.

Our mailing address is:

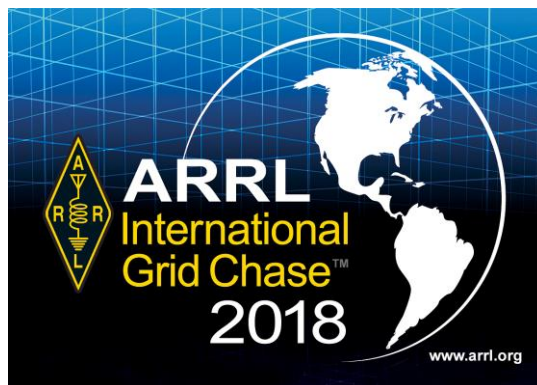
W1 QSL Bureau  
PO Box 73  
Marlborough, MA 01752-0073

73 and Good DX from the W1 QSL Bureau Staff!

[W1 QSL Bureau Information Sheet](#)



CARA is an ARRL- designated Special Service Club



## 2018 International Grid Chase

*In the spirit of the Fred Fish Memorial Award, VUCC, DXCC, WAS and WAC, we bring you a world-wide event in which all Radio Amateurs can participate where the goal is to contact (each Month during 2018) as many maidenhead 4-digit grid squares as possible on all amateur bands. Building on our successful 2016 National Parks On The Air (NPOTA) event (providing a year-long focus of fun activating or contacting US National Parks), and considering ARRL's existing grid-square based award events (including our Fred Fish and VUCC Award programs where the objective is to contact stations in as many 4-digit maidenhead grid squares as possible), we introduce for 2018 the ARRL International Grid Chase to bring international grid-chasing on all amateur bands (HF, and VHF and above) to an all new level.*

*In a fashion similar to NPOTA, using Logbook of the World (LoTW - see <http://www.arrl.org/logbook-of-the-world>) as the QSOs data source, the 2018 ARRL International Grid Chase activities will be scored MONTHLY on the ARRL web site at <http://www.arrl.org/aigc2018>. Each month we will start fresh, recognizing participation through various tables and data selection options on the web page. Monthly pages will be added to track each calendar month's activities. Once the year is completed, an annual summary will be released.*

1. **8. Event participation - contact submissions:** All submissions are made through LoTW. See <https://lotw.arrl.org/lotw/default>
2. **9. Awards:** As all contacts are being uploaded to LoTW, in addition to the overall

monthly and annual recognitions of the *ARRL International Grid Chase*, participants may use their contacts toward other ARRL awards (see the list of ARRL awards at <http://www.arrl.org/awards>). These include ARRL's grid-based awards of VHF-UHF Century Club (VUCC) and the Fred Fish Memorial Award (for contact with all 488 US 4-digit grid squares on 6 meters), as well as Worked All States (WAS) and WAS Triple Play, DX Century Club (DXCC), and Worked All Continents (WAC).

3. **10. Recognitions:** Achievement in collecting grid squares in the ARRL International Grid Chase will be recognized by categories of Band, Mode, and Continent (other leaders types will be developed as warranted) through our interactive web page monthly and at year end summary. Online certificates of achievement will be developed for Monthly and Annual recognition.

**Online Results: Where can I find the Leader Board?** [Go Here](#)  
**Where can I find the Grid Totals?** [Go Here](#)

4. **11. Resources:** A variety of resources offer grid-square maps and mapping tools.

- To learn more about Maidenhead grid-squares see [www.arrl.org/grid-squares](http://www.arrl.org/grid-squares)
- ARRL offers its World Grid Atlas from the ARRL Store <http://www.arrl.org/shop/The-ARRL-World-Grid-Locator-Atlas>
- You can map your location using this handy Google Maps tool from F6FVY - see <http://qthlocator.free.fr/index.php>
- Call sign lookups in QRZ (see <http://www.qrz.com>) often includes the station's grid square in their station detail tab.

**NOTE: YOU STILL HAVE UNTIL JANUARY 10, 2019 to upload ADIF files to your LoTW account for submission in the 2018 International Grid Challenge.**

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**Last month's meeting:**  
CARA members volunteer to investigate Winter Field Day.

*Remember, 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-arrl-contests.](#))

Here are the three changes:

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

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## Winter Field Day is Just Ahead

**Field Day is not just for summertime anymore.**

Winter Field Day, sponsored by the Winter Field Day Association (**WFDA**), will take place over the January 28-29 weekend, and it can be a terrific time to prep for ARRL Field Day in June. The annual event's stated purpose is to encourage emergency operating preparedness in the winter, but it's also an excuse to get out of the house and enjoy the great outdoors. According to the WFDA, getting ready for emergency communication in a winter environment is just as important as the preparations and practice that take place each June during ARRL Field Day, and — let's face it — it's not cold and snowy everywhere during the winter months. Your local climate could be quite the opposite.

"Don't let those winter doldrums keep you locked up in the house," the WFDA says. "Get out and play some radiol!" The WFDA said it believes that maintaining operating skills should not be limited to fair-weather scenarios.



The event, which got its start in 2007, is not restricted to North America. All Amateur Radio operators around the world are invited to participate, and there are three entry categories — indoor, outdoor, and home. The **rules** are similar to those for ARRL Field Day. Operation will take place on all HF bands except 12, 17, 30, and 60 meters, as well as on VHF, UHF, and satellite.

The event runs 24 hours. US and Canadian stations exchange call sign, operating category, and ARRL or RAC section. The WFDA encourages both group and solo operation, and if you're not up for an outdoor winter adventure involving Amateur Radio, you can operate from the comfort of your shack. As the WFDA says on its **Facebook page**, "The object is winter fun!"

<https://www.winterfieldday.com/rules>

CARA 2019 WFD committee meeting held on Friday, Jan. 4 at the Danbury EOC.

Attendees:

WX1T, W1QH, W1QK, NG1R, W1NSK, W1JMA, KC1IBR.

Summary:

CARA WFD will be held at the SHFD on Saturday, Jan. 26 and Sunday, Jan. 27.

Two stations are being planned.

Networked laptops running N1MM+.

Antenna ropes to be installed at SHFD on Jan. 12 – WX permitting.

Antennas and rope will be picked up at the Bethel EOC.

KC1IBR has prepared a Sign-up Genius (like FD 2018) for operator shifts, set-up and tear-down crews. (Sent to the CARA Reflector)

Subs and pizza was discussed.

W1QH is the contact person for planning, communications, and coordination.

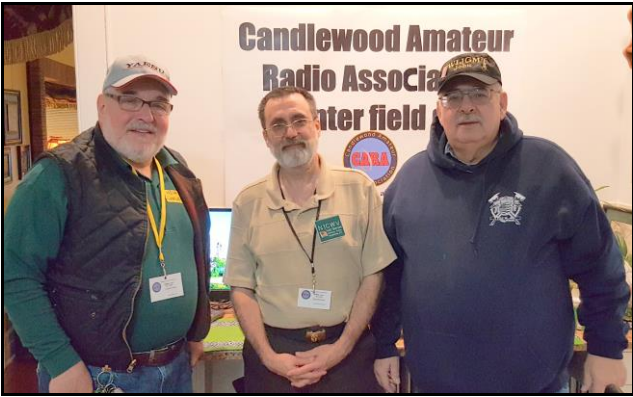
Follow up details at this month's CARA meeting.

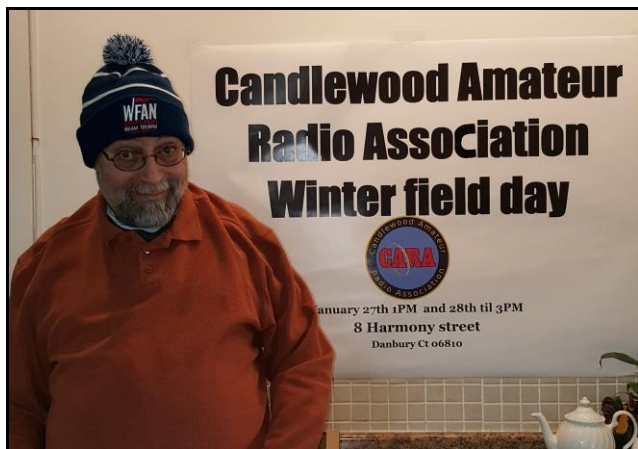
## ***A look back at CARA's First Winter Field Day at N1NRP's QTH:***

Photo credits: N1NRP, W1JGM, KC1IBR, W1QH









### Upcoming Contests, Hamfests & Meetings:

- Jan. 11: January Monthly CARA Meeting
- Jan. 12: NAQP – CW
- Jan. 14: ARES Region 5 South meeting – Danbury EOC NARA Meeting
- Jan. 19-20: ARRL January VHF Contest
- Jan. 25-27: CQWW 160M CW Contest
- Jan. 26-27: Winter Field Day - SHFD
- Jan. 9, 16, 23, 30: CWOps CWT  
1300Z, 1900Z, 0300Z

### New England and other local hamfests:

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

### Complete Contest calendar at:

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



### 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  
 Net Manager: Tom, WX1T

### Upcoming CARA Calendar:

- Jan. 11: CARA January Monthly meeting
- Jan. 25: Monthly planning meeting – SHFD
- Jan. 26-27: Winter FD - SHFD
- Feb. 1: February Capers input deadline**



### Weekly CARA NETS:

#### CARA 10M “Rag Chew Net”:

28.490 MHz. 7:00 pm Sunday

#### CARA 2M NET:

W1QI 2M Repeater – 7:30 pm Sunday

#### CARA PSK31 Digital NET:

28.100 MHz. 7:00 pm Tuesday; 1500 Hz.

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

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



### YCCC News

Club members also 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 team work spiced with the strong spirit of competition is at



the heart of YCCC accomplishments and contest victories.

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

Next Meeting: February, 2019

**From the YCCC Reflector:**

**Next 2 YCCC Meetings**

From: [Dennis Egan](#)

Date: Sun, 06 Jan 2019 11:24:53 EST

The next YCCC Meeting will be 1-4pm on Saturday, Feb 2, at the Auburn Elks Club, 754 Southbridge St, Auburn Ma. Why there, you may ask? Our February meeting the last several years has been at the Endicott, Ct Holiday Inn, but they are having construction there and are not renting space for that weekend. The Sturbridge Host is all booked up for that weekend, so our 3rd choice was the Auburn Elks. Note: For all you Patriot fans, this is NOT Super Bowl Sunday this year.

The April YCCC Meeting will be 1-4pm on Sunday, April 14, at the Sturbridge Host Hotel. This is our annual election meeting.

Speaking of elections, after much deliberation I've decided not to run for YCCC President this year. I've been pres for the last two years, and Vice Pres for 5 years or so prior to that, so I feel its time to pass the mantle on to someone else.

Charlie N1RR is not available to be the Pres next year, so the club will need someone else to be pres. If you are interested in the job, please contact me and I can tell you what's involved.

I'd like to thank everyone for a good two years as your president, but its time for me to explore other aspects of amateur radio.

Dennis W1UE

More information on the YCCC website:

[www.yccc.org](http://www.yccc.org)



**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

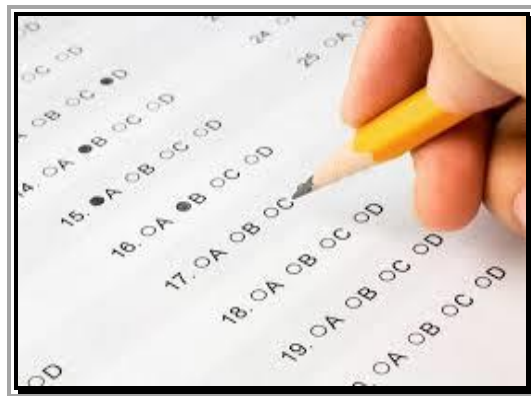
Warren: 53.970 MHz -1 MHz PL 110.9 Hz

Please check in – All are welcome.



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

**2019 CARA Ham Exam Schedule:**



**2019 Amateur radio exam 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 [bernoni@gmail.com](mailto:bernoni@gmail.com)

The following dates (Saturdays) for 2019 have been coordinated with the Stony Hill Firehouse Meeting Room scheduler:

March 2  
June 8  
September 14  
December 7

Thanks & 73,  
Jon, AJ1U  
CARA VE Team Coordinator

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### Other upcoming VE exam sessions:

#### Milford CT 06460-5065

01/09/2019  
**Sponsor:** Milford Amt Radio Repeater  
**Date:** Jan 09 2019  
**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

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#### Washington Depot CT 06794-1201

01/12/2019  
**Sponsor:** Northville ARA  
**Date:** Jan 12 2019  
**Time:** 9:00 AM (Walk-ins allowed)  
**Contact:** Gary Michael. Walters  
(860) 938-2030  
**Email:** [w8zy@outlook.com](mailto:w8zy@outlook.com)  
**VEC:** [ARRL/VEC](#)  
**Location:** Washington Volunteer Fire Station  
109 Bee Brook Rd  
Washington Depot CT 06794-1201



CARA used N1MM+ Contest Logger during the ARRL 2018 Field Day, and will use the program for Winter Field Day in January.

For a free download, visit:

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



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



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

- [Join or Renew Today!](#) ARRL membership includes [QST](#), Amateur Radio's most popular and informative journal, delivered to your mailbox each month.
  - Listen to [ARRL Audio News](#), available every Friday.
- Subscribe to...
- [NCJ -- National Contest Journal](#). Published bimonthly, features articles by top contesters, letters, hints, statistics, scores, NA Sprint, and QSO Parties.
  - [QEX -- A Forum for Communications Experimenters](#). Published bimonthly, features technical articles, construction projects, columns, and other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members...



- [Subscribe](#) to the *ARES E-Letter* (monthly public service and emergency communications news), the *ARRL Contest Update* (bi-weekly contest newsletter), Division and Section news alerts -- and much more!
- Find ARRL on [Facebook!](#) Follow us on [Twitter](#), [Snapchat @ARRLHQ](#), and [Instagram!](#)

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

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

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### **About ARRL:**

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



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

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

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

CW Ops CW Practice Sessions:

For: On-air practice at 13+ wpm for CWA students, graduates, others wishing to have real-time CW practice with others similarly afflicted

with a love of CW and a need to improve proficiency, with a goal of 25+ wpm.

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

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

From the CWOps November Newsletter – Solid Copy:

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

From the CWOps Reflector...

Fun with the grandkids  
 From: Jack Schuster  
 Date: Tue, 25 Dec 2018 12:25:30 EST  
 Remember Johnny Carson and Carnac the magnificent? Just by holding the sealed envelope up to his head he could tell the question given the answer.

I felt like Carnac this morning. I told my grandkids that you had to be bald to do this. I held my cellphone on top of my head, and from as far away as I could get inside the house with my back to them, without looking at the phone I could tell them who was calling! I couldn't get far enough away though for them not to hear the CW ID...hi Tnx Med for the Android app.  
 Happy Holidays JACK - W1WEF

**Reminder:**  
 Send ads to your CAPERS Editor to post items for sale.  
 Yes - FREE Advertising!



**CARA is an ARRL – Affiliated Club**

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## Member and Station News:

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

*There's always some blank space that could be filled with text, pictures, stories, tall tales, and whatever else you've got to contribute.*

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

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Your CARA Capers editor received this email message from CARA Member, Don Crosby – W1EJM now living at The Villages in Florida:

**doncrosby@aol.com**

**To:** w1qk@snet.net

**Cc:** doncrosby@aol.com

Dec 20, 2018 at 10:11 AM

Dan:

Wishing you and Brenda a happy holiday season.

Small lot 1/5 acre here, so "you work with what you have".

The "flagpole" is nice because it is the feed line, so, no coax or open feeders. Flagpoles are so common here that no one notices it. Wires at the top are 0.028" diameter, no insulators, just 20# fiber fishing line, just about invisible (especially with old eyes). It will be in QST late in 2019.

The new antenna is a hybrid Inv L and OCF Dipole (Windom) with Flagpole itself used as a single wire feeder.

4 of these antennas now installed here all working about as defined by my individual NEC-2 models. Man o man I live the modeler!

February in Florida = July - 25 degrees. I was up on the hospital 6th story roof top Tuesday in a T shirt while installing a new 450mhz StationMaster. Balmy!

Patents -

The electronic version of the (IBM) Selectric typewriter, sole inventor, granted 1973.

The other an electronic forcing and measuring system for use by railways to meet Federal Safety requirements, a shared invention, granted in ~ 2008.

Original Lunar Orbiter developed and manufactured 1964-1968, orbited ~ 6 of them to map the moon surface to identify landing areas for the original Apollo moon landing(s). I do have a really amusing story about Lunar Orbiter.

HST, I developed a tip and tilt system for the opticians to perform their optical magic. Later in the HST program I worked on the test equipment for some of the electronics boxes (that were built by sub-contractors). Ken - W1NG, did other things on the HST program, so we hadn't worked together even though his office was directly across from mine. The HST is really a scientific blessing.

OK, that's it for now, I'll write up the Lunar Orbiter funny when things ease up a bit.

73 - Don

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### Visit us on the Web at

<http://www.cararadioclub.org>

#### Executive Board:

President – Marcus Swearingen, AB1WV  
ab1wv@silverswear.net

Vice President – Jay Albano, N1NRP  
jjalbano@aol.com

Secretary – Gary Adams, N1GSA  
mrclipper69@yahoo.com

Treasurer – Tom Coury – WX1T coury1@gmail.com

#### Directors:

Harlan Ford, W1QH hford01@snet.net

Roger Mitchell, NG1R roger.mitchell@snet.net

Dan Fegley, W1QK w1qk@snet.net

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*CAPERS is the monthly newsletter of the  
Candlewood Amateur Radio Association*

*Editor: Dan Fegley, W1QK*

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## A brief word from our editor...

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

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

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

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

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

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

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

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

*Courtesy of: The Mahoning Valley Amateur Radio Association's Award-Winning monthly newsletter: "Voice Coil"*

<http://www.mvara.org/News/Current.pdf>

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## **NOTICE TO CAPERS READERS** **CAPERS is an important aspect of our club.**

It's time for **more participation** with this publication.

**CAPERS** is looking for ANY and ALL input. Don't be shy, just send a few words, a picture, link, or short message to Dan Fegley, your Editor. If possible, text should be submitted in Microsoft Word format, and images in .jpg format. Please use picture files that are sized for publication.

**w1qk@snet.net**

**CAPERS** deadline for input:  
LAST Friday of the Month preceding the meeting.

**CAPERS** will be released:  
Monday before the scheduled Friday monthly meeting – or earlier if possible.

Revised CARA Banner Design - ready for production: v16 1-7-2019  
de W1QK



ARRL International Grid Chase Challenge – Early ARRL Connecticut Section Results:

1 to 25 of 285 >>>

Hover over the spyglass icon for an explanation; click an arrow to sort by column -  
click other arrow to reverse sort order.

▲ Overall Rank ▼	▲ Call Sign ▼	▲ Total Unique Grids ▼	▲ Total Grid Score ▼	▲ Total QSL's ▼
13	W1EQ	1168	15145	22233
87	W1QK	978	8080	13641
212	W1NG	1088	6103	7916
313	K1ZZ	894	5325	8299
325	K1KI	979	5208	8866
490	W1ARY	868	4397	5567
502	N1API	872	4335	5407



▲ Overall Rank ▼ ⓘ	▲ Call Sign ▼	▲ Total Unique Grids ▼ ⓘ	▲ Total Grid Score ▼ ⓘ	▲ Total QSL's ▼ ⓘ
592	W1ATV	794	4008	5297
698	K1RM	830	3720	5588
840	W3EP	849	3418	4817
878	W1AVK	780	3329	5148
917	W1XI	557	3265	5086
943	W1RM	763	3212	4245
1265	KC1ERO	687	2744	3228
1287	N1IXF	597	2716	3813
1342	N1MD	692	2646	3297
1362	W1CTN	634	2632	3354
1414	K1ZE	650	2587	3550
1543	W1AW	583	2451	3070
1614	K1PL	650	2400	2892
1626	W1VT	803	2393	3535
2105	W1JGM	534	2077	2790
2210	W1WEF	681	2018	3154
2333	N1MM	595	1951	2904
2400	KC1HTT	636	1913	2182

# A new way to look at Leonardo

By Bill Gates

| December 18, 2018

I've been fascinated by the artist and inventor Leonardo da Vinci for decades. He had one of the most innovative minds ever. Next year is the 500<sup>th</sup> anniversary of his death, and I thought I would share a short video about a project I've worked on that is helping to mark the occasion.

The project is called the Codescope. It's an interactive kiosk with a touch screen that lets you explore the Codex Leicester, a notebook of Leonardo's that I bought in 1994. Using the Codescope, you can learn about the history of the notebook, see every page of Leonardo's original writing, get a translation, and even watch animated versions of his drawings.

The Codex and Codescope are traveling together to various museums in Europe as part of the celebration. ([They're at the Uffizi](#) in Florence through January 20.) Since you can't touch the Codex itself—it's preserved behind glass—the Codescope is the next best thing to flipping through the pages that the great man wrote on.

[https://www.gatesnotes.com/About-Bill-Gates/Codescope?WT.mc\\_id=12\\_19\\_2018\\_06\\_Codescope\\_BG-LI\\_&WT.tsrc=BGLI&linkId=61327467](https://www.gatesnotes.com/About-Bill-Gates/Codescope?WT.mc_id=12_19_2018_06_Codescope_BG-LI_&WT.tsrc=BGLI&linkId=61327467)

<https://youtu.be/zwGdnCNi8Ss>

Other references:

<http://hammercodex.com/>

<https://www.businessinsider.com/look-inside-the-codex-leicester-which-bill-gates-bought-for-30-million-2015-7>

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Please remember to renew your CARA Membership Dues