



Capers

July - 2022



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, July 8

***This meeting will be conducted in- person at the
Stony Hill Fire Dept. at 59 Stony Hill Road (Route 6) in Bethel.***

***Doors open at 7:00 pm for socializing and conversation,
meeting begins at 7:30 pm.***



President's Message – de W1NSK



Wow! What a Field Day! This year's CARA Field Day was well attended and enjoyed by many. As always, Gary's food was marvelous, the antennas performed, the stations were well manned, newcomers came to see what we were doing, and message traffic passed successfully. This is my 53rd Field Day Event and it was as much fun as my first (albeit a bad back). The Club thanks all who pitched in to make it a reality!

The next big event after Summer will be our annual Western CT Hamfest at the PAL - Danbury Police Athletic League Building in Danbury on September 11th. This totally indoor event will include the traditional flea market, amateur radio exams, and presentations. We need everyone's participation to make our annual major fundraiser successful. Contribute any way you can. Contact John – W1JGM with ideas or ways that you can help the effort. I'm sure he'll find a way for you to be involved.

This month's July Meeting will again be held at the Stony Hill Firehouse on July 8th. Asuna Giloye - W2FUR, will be presenting on the ARRL's VEC Program and its workings. A Microsoft TEAMS Online component will be available for those not attending at Stony Hill. Join Us!

The July Pasta Night Dinner will be held as usual on July 19, the third Tuesday of the month, at The Vespucci Lodge in Danbury at 6PM. This informal Club event is \$12 and a cash bar. See you there! Summer is a time for relaxation, vacation, family time, or just getting to some things that you've wanted to but haven't had the time. Whatever it is, enjoy this great time of year in Connecticut and if traveling, be safe!

73

Bud Kozloff - W1NSK
CARA President

July 8 Meeting Agenda

Call to Order (In-Person and via MS TEAMS) & Pledge of Allegiance – 7:30 PM

Guest Speaker:

Asuna Gilfoyle -W2FUR: The ARRL VEC Program and its workings.

Business Meeting

Welcome New Members – W1JGM

Acceptance of Minutes as Published in CAPERS – W1NSK

Treasurers Report – WR1Z

Committee Reports

Repeater – WR1Z

Website Revision - KC1IBR

ARRL Grant – W1NSK

Hamfest: September 11 - Danbury PAL Facility – W1JGM

Old Business

Hamfest deposit from Edmund Town Hall – KC1IBR

Review of CARA Standing Committees by Executive Committee and Directors – W1NSK & W1JGM

Placement location for CARA 75 Year ARRL-Affiliation plaque - KC1IBR

New Business

2022 Field Day Review:

Score, bonus points, entry submission, expense summary; planning and execution discussion - N1GSA, W1JMA, W1QH, W1QK, W1JGM, W1NSK, AB1WV

Proposed POTA July event details & location

Vote as CARA Sanctioned Event – W1JGM, W1JMA

Future Speakers: August thru December 2022 – Program Committee

Disposition of Sander Pool - W1SOP donated equipment

RSGB IOTA Islands on The Air Contest, July 30-31 – Proposed operating event - W1NSK

Pasta Night Dinner – Tuesday, July 19: 6:00 pm, Sons of Italy Lodge, Danbury

News and Views: Round Robin members forum

NARA Sister Club update

Adjournment

Vice- President's Message:
de W1JGM



Welcome to July.

Early July marks the 2022 half-way point, so let's ensure that the second half is productive and improved.

It's good to return to in-person meetings at the Stony Hill Fire Dept, on the 2nd Friday of each month. We'll gather there at 7:00 pm and the meeting will start at 7:30 pm. The meeting will also be streamed on MS TEAMSs for those that cannot attend in person. The link will be e-mailed via the reflector and the MS TEAMS calendar the week before the meeting.

As of our July Meeting, only 9 weeks remain until our Hamfest. As everyone should know by now - the date and venue have changed to September 11 at the Danbury, Police Athletic League building on Hayestown Avenue, just across from the Danbury Candlewood Lake Park. This is a totally indoor event in a beautiful facility. The PAL building is located on Hayestown Ave. directly across from the Danbury town beach on Candlewood Lake. This will be new to everyone, so a lot of teamwork will be required.

A July club POTA activation is again approaching. It's proven to be a fun event that several members are doing almost weekly, as POTA activating and hunting

has become a very popular Ham Radio activity, which reminds me of a mini Field Day.

And speaking of Field Day, CARA's 2022 event held at the Ball Pond FD attended by many members and visitors. was a success. The final results are included in this issue of the Capers and will be reviewed during our July 8 meeting. I'd like to thank all that helped organize, set-up, operate, cook, and especially clean up.

We continue to meet at the Amerigo Vespucci lodge at around 6:15 for their fantastic Pasta Night Dinner. Come join us as each month our participation and camaraderie grow. Dinner is \$12 with a cash Bar.

There are a few members who are still not current with their 2022 Dues. If you need to catch up, Dues can be sent to the treasurer via PayPal at www.paypal.me/caradues or by USPS at CARA, P.O. Box 55, Brookfield, CT 06804. Regular member is \$30, Over 65 is \$15, Associate member \$10. Be sure to use the "send" button on PayPal to pay your dues on the site. Do not "Request" payment, as we will not send you any.

Please join me in welcoming new and returning members: John Rogers and Jonathan Taylor - K1RFD.

Thanks, and get on the air.

73,
John Morelli - W1JGM
CARA Vice-President



CARA Has been an ARRL Affiliated Club since 1946 – 75 Years in 2021

June 10 Monthly Meeting Minutes de CARA Secretary, Gary Adams – N1GSA



Meeting called to order at 7:34 pm by Pres. Bud Kozloff.

Meeting was being recorded and saved on Microsoft Teams.

Pledge of Allegiance was recited.

There were 18 people present.

This is our first face to face meeting at Stony Hill Firehouse in over 2 years.

Presentation Summary

Oscar Fuller and John Field gave a presentation about the Mobile Communications Vehicle. John was on Microsoft Teams and led off the presentation. There are 6 of these vehicles housed around the state. One in each region and one in Hartford. These vehicles are funded by the Department of Homeland Security. They all have similar configurations and can act as backup to other regions if needed. The primary mission is to enable radio communications between separate organizations, including Police, Fire, EMS, as well as Public Works. These vehicles are fully

equipped with lights and sirens. Most have 16 mobile radios with each individually configurable. There is a 12KW generator onboard. These vehicles are constantly receiving updates in radios and programming.

Oscar put out a call for individuals willing to be trained to operate this equipment when necessary. This could entail between 5 and 40 hours of training depending on experience. This would also mean that you would be ready to go at any time. This is quite similar to any volunteer Fire or EMS service.

Oscar then spoke about the various shelters that are in Danbury. Due to the lack of available antennas and coax at these locations, there have been 3 kits constructed containing these parts that can be utilized at any of the shelters. These are 2 meter and 440 kits.

Minutes of the previous meeting were accepted as printed in the CAPERS. Motion made, seconded and passed.

Business meeting

Elections were the next order of business. Harlan took over the meeting for this purpose. There was a motion from a previous meeting that the present officers continue in their positions. There were no other nominations. Motion made, seconded and passed to close nominations. Secretary was directed to cast one ballot for the current slate. This was done. Treasurer reported an opening balance of \$8120.43. Ending balance of \$5095.48.

Repeater Committee met in advance of the planning meeting. They were able to identify what was needed to update the linking of the machine to the NARA network. This will complete the linking of Region 5. We will link the 440 machine permanently with NARA machines with a PL of 151.40. This may be delinked by any officer or designated CARA member on the Repeater Committee when necessary.

Motion made, seconded and carried to complete these updates.

Dana Underhill – KB1AEV, has completed the updates of the controller. This has been tested and burned in and is ready to be reinstalled in our system.

Motion made to allocate money, not to exceed \$400, seconded and passed.

Hamfest will be September 11, 2022, at the Danbury PAL building. There has been money appropriated last month. There will be a permit required for a raffle. We will need to get the refund from Edmund Town Hall that we paid to them.

There are many available positions on various committees that need to be filled.

Antenna setup for Field Day needs to be done. This is tentatively scheduled for June 14 at 11am, to setup both the ropes and antennas.

Motion made, seconded and passed for a \$400 advance for food. There will be a donation basket to offset costs.

Motion made to give a donation of \$100 to Stony Hill Firehouse. Seconded and discussed. This was tabled until after Hamfest for further review.

The next POTA event details will be discussed at the July meeting. Tentatively to be July 23rd.

Charlie received the CARA 75 year ARRL club affiliation plaque from the ARRL Board of Directors at the 2021 ARRL New England Division convention in Marlborough, MA commemorating CARA being an ARRL affiliated club for 75 years. He brought it to the meeting so everyone could see it.

The September meeting may be held at the PAL building as this is 2 days prior to the Hamfest.

ARRL Grants are still available. There is \$250, 000 available for this.

Charlie mentioned about checking with the Danbury Police Explorers or others to offer radio communications for public events. i.e.: Fireworks, Road Races, etc. This could include training on utilizing radios, testing for anyone interested in obtaining their Ham License, etc.

The monthly Pasta Night Dinner will be Tues June 21st.

Meeting adjourned at 9:31 pm.

Respectfully submitted,
Gary S. Adams - N1GSA, Secretary

June 24 Monthly Planning Meeting Minutes

No June 24 Monthly Planning Meeting minutes submitted to Capers.

Annual CARA Officers and Directors Election results:

These CARA members have been elected to another term. Thank you.

Executive Board:

President – Bud Kozloff, W1NSK
Vice President – John Morelli, W1JGM
Secretary – Gary Adams, N1GSA
Treasurer – Gregory Davis – WR1Z

Directors:

David Coelho, WA1JGA
John Ahle, W1JMA
Harlan Ford, W1QH



CARA ARRL 2022 FD Results

Pages 18 – 33.



N1MM Logger is the world's most popular free ham radio contest logging program. For CW, phone and digital modes, its combination of contest-optimized features is unmatched.



<https://n1mmwp.hamdocs.com/n1mm-features/>



Weekly CARA Sunday club NETS:
28.490 MHz. USB 7:00 pm – 7:30 pm

W1QI 2M FM Repeater – 7:30 pm

Worked All Connecticut Counties Award, WACC – Sponsored by CARA & Administered by CARA Secretary, Gary Adams -N1GSA.

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



Upcoming Contests, Hamfests & Meetings:

- July 8: CARA Monthly meeting at Stony Hill FD and via TEAMS
- July 9: IARU HF World Championship contest
- July 11: CT ARES Region 5 South Monthly Meeting via TEAMS
- July 11: NARA Sister club meeting
- July 16-17: CQWW VHF contest (6M & 2M)
- July 16-17: NAQP RTTY contest
- July 20: Pasta Night dinner at the Italian American Club – Danbury, 6:00 pm
- July 22: CARA Monthly Planning Meeting at Stony Hill FD and via TEAMS
- July 25: CT ARES Region 5 Meeting
- July 7, 14, 21, 28: CWops CWT 1300Z & 1900Z Wednesday, and 0300Z (Thursday)

August 5: August 2022 Capers input deadline

Complete Contest calendar at:

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

2022 Ham Exam Schedule



Danbury CT 06810

EXAM SESSION

09/11/2022

Sponsor: Candlewood Amateur Radio Association

Date: Sep 11 2022

Time: 9:30 AM (Walk-ins allowed)

Contact: Jonathan R. Bernon

(203) 232-7863

Email: aj1u@arrl.net

VEC: [ARRL/VEC](#)

Location: Police athletic League Western

Connecticut Hamfest

35 Hayestown Rd

Danbury CT 06810

Washington Depot CT 06794-1201

EXAM SESSION

07/09/2022

Sponsor: Northville ARA

Date: Jul 09 2022

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

Jonathan Bernon <bernonj@gmail.com>

To: John Morelli (W1JGM), Daniel Fegley

Mon, May 23 at 11:13 AM

Hi John and Dan,

I submitted the CARA Hamfest VE session to the ARRL for posting on their website. It is now up.

It is shown below.

73,

Jon, AJ1U

Upcoming 2022 Amateur radio exams:

<http://www.arrl.org/find-an-amateur-radio-license-exam-session>



The Yankee Clipper Contest Club is a special purpose amateur radio club devoted to the pursuit of operating and technical excellence.

More information about the YCCC at:

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



The CW Operators' Club

cwops.org

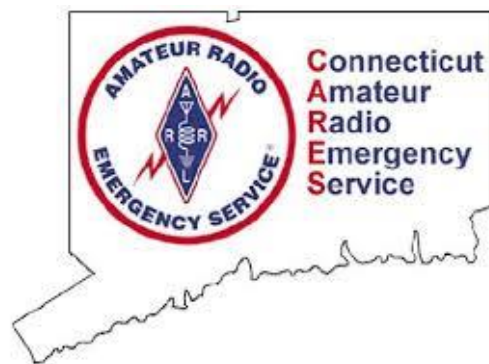
The CW Operators' Club, commonly known as CWops, is an international organization, in membership and management, for amateur radio operators who enjoy communicating using Morse Code. Its mission is to foster the use of CW, whether for contesting, DX'ing, traffic handling, or engaging in conversations.

Visit the CWops website to learn more about CW Academy and how you can sign up for the popular & free on-line CW training classes.

<https://cwops.org/cw-academy/cw-academy-options/>

To become a member of CWops:

<https://cwops.org/membership/>



Next CT ARES Winlink Wednesday:

Wednesday, August 4, 2022



Visit this website to learn more about CT ARES and Winlink Wednesday:

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



Connecticut Phone Net – CPN

This net now starts at 6:00 pm EDT Monday through Saturday on 3.973 MHz. Sunday: 10:00 a.m. EDT 3.965 MHz.

CARA Contributions to CPN:
Tom Coury - WX1T: CPN manager
Harlan Ford - W1QH: Wednesday Net control

"When Everything Else Fails. Amateur Radio often is our last line of defense... When you need amateur radio, you really need them."

The Hon. W. Craig Fugate
Former Administrator, US Department of
Homeland Security, FEMA

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.

“CW’s Corner”

de W1QK & WA1KRG



CW

Papa Cat, aka W1QK, just updated his Samsung Galaxy Note 3 Smartphone to a Samsung Galaxy S22+. The updates in the Android Operating System are awesome but will require some time to sort out.

Perhaps a CARA member who’s familiar with Android would be able/willing to conduct an “Android User Forum” to assist CARA members who are Android OS users by sharing some knowledge and operating tips by conducting a Q&A session via TEAMS as a separate CARA training activity?

By: [Mutual Security Credit Union](#) on June 16th, 2022

Device Protection - Is Your Personal Information Safe?

A [2021 study by Deloitte](#) found that the average American internet household owns 23 connected devices, an increase from an average of 11 devices in 2019, and that number is increasing each year.

When we think of devices, we mostly consider our smartphones, home computers, and tablets. Increasingly, though, additional WIFI enabled gadgets like televisions, thermostats, home security systems, and even kitchen appliances are being included in that list.

Some predict that by the end of 2022, the average will have increased to as much as 50 devices per American household. The convenience of adjusting your home thermostat from your desk at work, or looking inside your own refrigerator from the dairy aisle in the grocery store comes with an often overlooked security risk.

Every connected device provides a window for someone with malicious intent to access

the personal information stored on that device, or even worse, to gain access to your home network. If someone gains access to your local network, they can easily access your personal data by "listening" to your internet traffic, or they can launch various attacks, such as malware or ransomware. [This cybersecurity article from the Federal Trade Commission](#) contains more insight about the importance of protecting your connected devices and your home network.

Below, we're providing a checklist to help you reduce your risk.

Make A List of Your Connected Devices || Identify Your Connected Devices

Have you considered before how many devices in your home are connected to the internet? Start with a list before moving on to the next step. Don't forget things like smart plugs and WIFI enabled bulbs and appliances.

Check That Each Mobile Device Is Running The Latest Operating System || Complete Any System Updates

Software developers release updates to address vulnerabilities as soon as they become aware of them. Set your devices to update automatically so your information is protected as soon as possible. If you prefer to run updates manually, stay aware of when they become available and install them immediately. This includes your phone, tablets, and the apps contained within them. For smart home devices, the vulnerable connection point is through the apps that manage them, so it is crucial that those remain current as well.

Ensure That Home Computers (Desktops and Laptops) Have Up To Date Security Software || Utilize Security Software

Computers often hold the most personal information of any device in your home.

Ensure that you have up to date antivirus software. Most of these applications now go well beyond checking for viruses and malware, as they are constantly running in the background, deleting unwanted cookies and tracking codes. Think of it as an insurance policy for your files and information, and make sure you have current protection on every device.

Double check your online accounts || Secure Your Account Logins

Some antivirus software will also run security checks to inform you of weak and overused passwords. Ensure that your passwords are always at least 12 characters and not easily guessed. Additionally, as discussed in [this article](#), add multi-factor authentication (sometimes referred to as MFA) wherever possible. This extra layer of protection typically means that logging in will require both your password and a code that is texted or emailed to you.

Check Your Home Network Security Settings

While it might seem like there's no easy way to protect every smart device in your home, the best action you can take is to update your router password on a regular basis. You should never have an open network connection, and your password shouldn't be easy to figure out. Your password should be at least 12 characters and contain letters, numbers, and special characters. It doesn't need to be impossible to remember, but think in terms of random combinations of words and numbers, not something easy to guess like your last name and street number. For more information about how to protect your home network check out this article from HP, [10 Best Ways to Protect Your Home Network Security](#).

Source: <https://blog.mscu.net/device-protection-is-your-personal-information->

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Seen from the deck at W1QK/WA1KRG:



Ben – the bear cub. Photo credit WA1KRG

An Impossible Perpetual Motion Device?!

[https://www.youtube.com/shorts/yFuK68u2-
hw](https://www.youtube.com/shorts/yFuK68u2-hw)

CW, CQ, and QSL could watch this device for
hours– WA1KRG



Capers: Swap and Shop

CARA Swap & Shop Policies:

CARA assumes no responsibility for transactions made or inaccuracies in ads. You are responsible for checking your ad and notifying us of any corrections. Swap and Shop listings are open to licensed CARA hams, based on space available. Please submit your items to w1qk@snet.net for placement in the CARA Capers.

*This month's CARA Capers
pop quiz question:*

What is an 807?

Answer on page 14 - 15.



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

Executive Board:

President – Bud Kozloff, W1NSK
w1nsk@hotmail.com
Vice President – John Morelli, W1JGM
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Secretary – Gary Adams, N1GSA
Mrclipper69@yahoo.com
Treasurer – Gregory Davis – WR1Z
ggdavisct@gmail.com

Directors:

Harlan Ford, W1QH - hford01@snet.net
David Coelho, WA1JGA – davidcoelho52@gmail.com
John Ahle, W1JMA – w1jma@aol.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.

The input deadline is announced in the previous issue and again at the monthly planning meeting.

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.

This summary is reprinted as a courtesy of: The Mahoning Valley Amateur Radio Association's Award-Winning monthly newsletter: "Voice Coil" <http://www.mvara.org/News/Current.pdf>

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.

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

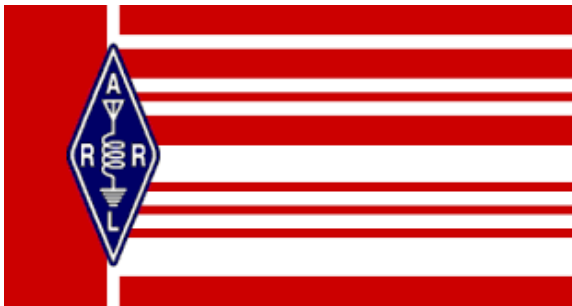
- **Join or Renew Today!** Eligible US-based members can elect to receive [QST](#) or [On the Air](#) magazine in print when they join ARRL or when they renew their membership. All members can access digital editions of all four ARRL magazines: [QST](#), [On the Air](#), [QEX](#), and [NCJ](#).
- Listen to [ARRL Audio News](#), available very 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.

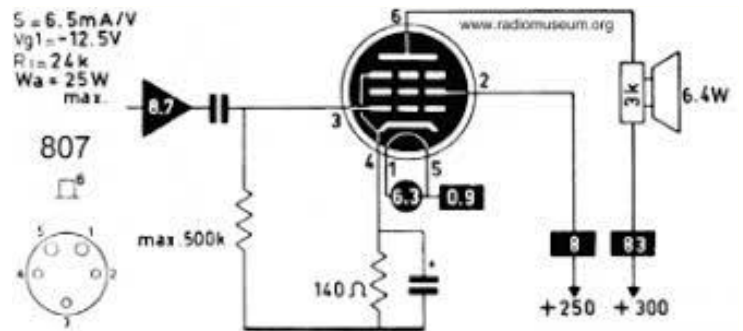
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- [Subscribe](#) to the *ARES Letter* (monthly public service and emergency communications news), the *ARRL Contest Update* (biweekly contest newsletter), Division and Section news alerts -- and much more!
- Find ARRL on [Facebook!](#) Follow us on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



Answer to this month's CARA Capers pop quiz question on page 12:

What is an 807?



807 (vacuum tube)

Audio uses^[edit]

807s were used in [audio power amplifiers](#), both for [public address](#) and [Hi-Fi](#) application, usually being run in push-pull pairs in class AB1 or AB2 giving up to 120 watts of usable power. The plate voltage limit is 750 volts and the screen grid limited to 300 volts. Because of the 300 volt screen grid voltage limit, the 807 cannot be triode connected for high power applications. Failure to observe this precaution will cause screen grid failure. Less commonly a single 807 was used in a pure class-A, single-ended audio output stage delivering about 10 watts.

RF uses^[edit]

The 807 is fully rated to 60 MHz, derated to 55% at 125 MHz in Class C, Plate-modulated operation, thus they were popular with [amateur radio operators](#) (radio hams). In this application a single 807 could be run in class-C as an oscillator or amplifier which could be keyed on and off to transmit [Morse Code](#) in [CW mode](#).

For voice transmission on [AM](#) a final amplifier with one or more 807s, up to about four, could be connected in parallel running class-C. Connecting multiple 807s in parallel produced more power to feed to the antenna. Often the modulator stage (simply a transformer-coupled audio amplifier for A.M., with the secondary of its output transformer in series with the anode supply of the final amplifier), was also constructed using 807s.

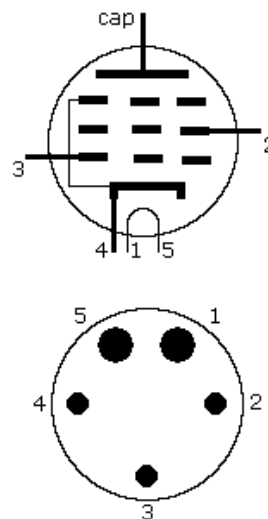
Many hams found multiple paralleled 807s a cheaper alternative to a single larger valve, such as a single 813, as many military surplus 807s became available cheaply after World War II. In Australia 807s are affectionately referred to as "[stubbies](#)" because they are almost as ubiquitous as that common Australian beer container.

The class C operational values in the info box at the right are for *anode modulated A.M. operation*; for CW operation a maximum anode voltage of 600 is permissible, whereby the anode current increases to 100 mA and the anode/plate dissipation rises to 25 watts. The screen voltage is the same, at 300,

but its dissipation rises to 3.5 watts. 37 watts of R.F. power is produced from 220 mW of drive but only a 50% [duty cycle](#) is allowed. The maximum allowable negative *control grid, g1* excursion allowable is -200 volts and average control grid current is 5mA in both A.M. and CW modes.^[1] Later versions could be used on CW with a supply voltage up to 750 V and a current of 100 mA to produce 50-55 watts of output power.

Slang^[edit]

Ham operators in the [US](#) sometimes use the term "807" to refer to bottles of beer due to the shape of the tube.^{[2][3]}



Ham Radio Jargon for beginner

Posted by [Fred C \(W6BSD\)](#) on Apr 09 2020

If you are a new ham checking into a repeater or someone listening to the ham radio band with a scanner, you will discover a lot of the jargon. In the following table, you will find the most common lingo you will hear on the amateur band and, more specifically, on repeaters.

The table also contains some of the most common QCode. It is a standard collection of codes starting with the letter "Q", initially developed for commercial radio-telegraph communication and later adopted by other radio services.

<https://0x9900.com/ham-radio-jargon-for-beginner/>

This month's Capers Q&A:

What are some characteristics of RG213 and LMR 400 coaxial cable?



Author: Nicholas Watkins

Coax (Coaxial) Cables

Coax (coaxial) cable is one of the oldest types of cables, having been in use for over 100 years. Like ethernet, coax cables come in both solid and stranded versions, although they are usually solid. Only a few types of coax, namely RG58 and RG8, are available as stranded.



Most coax cables fall into one of two categories, RG (Radio Guide) and LMR. No one is 100% sure what LMR actually stands for. It could stand for a term, someone's name, or just be random letters. There are many rumors and theories for what LMR may mean but nobody really knows for sure.



RG cables are labeled “RG#” with the number formerly standing for the diameter of the cable. For example, RG59 cable originally had a diameter of .059”. While these measurements have changed over the years, the names of the cables have stuck. There are many types of RG cables and this article will only review the most common variants. Typically, RG cables have a 50 or 75 ohm impedance. Some off-shoot cables have different impedance, but all the standard RG cables covered here will be one of those two.

LMR cable is owned by the company Times Microwave. While the cables and name LMR are their property, other companies will frequently make equivalent cable, such as ShowMeCables EMR cables. These cables are labeled “LMR-#”, with the number being a rough estimate of the cable thickness. For example, LMR-400 has a 0.405” OD (outer diameter). LMR, like RG, has a few main types that this article will cover but off-shoot versions are also available.

LMR-400
Double-Shielded
Very Low Signal Loss



LMR is all 50 ohm cable (with one exception, covered below under LMR-400). Except for LMR-100, all the LMR cables are also made

in UltraFlex versions for situations where extra flexibility is needed. Being newer than RG cable, LMR is better overall and most types of LMR cable were designed to replace specific RG cables.



Types of common RG cable include:

RG58, RG59, RG6, RG11, RG8, RG174
 RG178, RG316,

Types of LMR cable include:

LMR-100, LMR-195, LMR-200, LMR-240
 LMR-400, LMR-600

<https://youtu.be/1dDhYGd6kEw>

Source:
<https://www.showmecables.com/blog/post/coax-coaxial-cables#:~:text=or%20security%20camera.-,RG8,but%20provides%20similar%20signal%20quality.>



CARA 2022 Field Day Summary

Tasks and Responsibilities – Report de W1QK

The purpose of this document is to report details of tasks and responsibilities involved with the CARA 2022 Field Day activity, which was scheduled for the weekend of June 25-26, 2022.

CARA members were encouraged to sign-up for multiple items to ensure that all tasks are adequately covered.

This is your club – it only works with TEAMWORK.

The level of involvement and commitment directly affected the planning for, and execution of this event.

CARA 2022 FD Leadership Team:



John – W1JMA

Dan – W1QK



This Team consulted with the Executive Committee concerning decisions based on the membership commitments made and adjusted the scope of our annual ARRL Field Day event as required.

1. Coordination with Field Day Site officials:

Establish contact with site officials. Ensure CARA compliance with site regulations concerning access, times on site, parking, clean-up, and other details.

John – W1JGM

2. FD Entry class & Radio Equipment:

Determine FD entry class. Determine/arrange for station locations and shelter(s). Determine station equipment needs & arrange transportation. Arrange and perform set up/take down for both stations. Create Excel checklist indicating items and sources. Confirm FD stations are operational before FD begins. Install ground rod(s) for station(s). Provide N1MM Logger + common operating hints (documentation) for both stations. Provide equipment manuals for operator reference.

Station #1:	Station #2:
Harlan – W1QH	John – W1JGM

3. Antennas:

Create antenna setup diagram. (Determine what will be used, and where it will be installed) Antenna selection and placement should allow optimum flexibility in band selection and performance, with minimal co-interference. **Attach labels to each FD station antenna.** Attach safety streamers to antenna supports, cables, feedlines and other antenna components to ensure safety compliance. Ensure that CARA bandpass filters are installed correctly and provide information related to use at FD stations. Install/take down antennas. Arrange for transportation of CARA antenna assets including antennas, rope, and coaxial cable feedlines to/from the Bethel EOC.

Dan – W1QK	John – W1JMA	John – W1JGM
David – KB1ZAC	Harlan – W1QH	Charlie – KC1IBR
Marcus – AB1WV	Susie - KC1QVE	

4. Operator shifts and event coverage:

Create a **Sign-Up Genius** format using web application. Ensure that the entire time we're committing for is covered. Answer questions and communicate information related to operator shifts Distribute often via CARA Reflector and provide timely updates and communications with CARA FD Leadership Team.

Charlie – KB1IBR David – KB1ZAC

5. Logging Computers:

Ensure that CARA logging laptop computers are prepared and configured with N1MM+ Logger program for logging FD contacts during the operation. Establish a wired network for FD use. Arrange/provide IT support during the event.

Harlan – W1QH

6. Food/beverages:

All details regarding FD Menu, budget, requisition/transportation of supplies, food and beverage preparation, etc. Means for on-site cooking, refrigeration, etc. Set up/take down of field kitchen/food preparation.

Gary – N1GSA Eric – N1RV Susie – KC1QVE (Tray of homemade lasagna)

7. Field Day Public Relations:

On site during the event (Visitor/Greeter canopy/table) (May be modified due to COVID Restrictions)

Set up a canopy outside in front of the FD Site (Weather permitting) Greet visitors, provide information, conduct station tours, answer questions, hand out CARA brochure & ARRL information, etc.

Harlan – W1QH John – W1JGM

Registering the CARA FD site on the ARRL Website: John – W1JGM

8. Safety Officer(s) & Security:

Mark all hazards on the FD site including coax cables, antenna supports, ground rod wires, etc. Attach (tape) cables to floor to eliminate trip hazard(s). Ensure that fire extinguisher locations are known by all. Ensure that a properly equipped First Aid Kit is available during the entire FD event. **Perform all the requirements stated on the ARRL Safety Officer FD Checklist document.** (from ARRL Website) Provide appropriate security for CARA members, visitors/guests, equipment and assets.

Safety Officer: Marcus – AB1WV

9. Field Day Bonus points:

Reference the ARRL FD Rules & determine which bonus points to complete the requirements for. Provide the means to execute tasks to earn these bonus points. Includes creating and sending the CARA FD message to the ARRL CT Section Manager, creating and handling formal NTS (National Traffic System) traffic (maximum of 10 messages) via the FD station(s) during the event. Making satellite QSO. Writing and distributing of the CARA FD Press Release – inviting the media to attend and cover the event. Setting up a CARA FD social media Facebook page, and uploading content during the event.

Dan – W1QK Harlan – W1QH John – W1JGM Asuna – N2FUR

10. CARA 2022 FD Score and Bonus points submission

Review the FD log. Compile the N1MM+ log from logging computers. Gather required evidence to support claimed bonus points. Submit score, plus claimed bonus points evidence to ARRL via ARRL Web application. Prepare and submit CARA Field Day Report to be published in CARA Capers Monthly newsletter.

Harlan – W1QH Dan – W1QK

For Immediate Release

For additional information contact:

John Morelli – W1JGM, CARA Vice-President

2 Forest Hills Drive, New Fairfield, CT 06812

203-417-0160

w1jgm@w1qi.net



“Who ya’ gonna call? Greater Danbury’s CARA Radio Hams!”

Public Demonstration of Emergency Communications June 25-26.

New Fairfield, CT June 21, 2022 –

Despite the Internet, cell phones, email and modern communications, every year whole regions find themselves in the dark. Tornadoes, fires, storms, ice and even the occasional cutting of fiber optic cables leave people without the means to communicate. In these cases, the one consistent service that has never failed has been Amateur Radio. These radio operators, often called “hams” provide backup communications for the American Red Cross, FEMA and even for the International Space Station.

Greater Danbury’s “hams” will join with thousands of other Amateur Radio operators showing their emergency capabilities this weekend.

Over the past years, the media has been full of reports of ham radio operators providing critical communications during unexpected emergencies in towns across America including the California wildfires, winter storms, tornadoes and other world-wide events. When trouble is brewing, Amateur Radio operators are often the first to provide rescuers with critical information and communications. On the weekend of June 25-26, the public will have a chance to meet and talk with the Greater Danbury area’s ham radio operators who are members of the Candlewood Amateur Radio Association and see for themselves what the Amateur Radio Service is about as hams across the USA will be holding public demonstrations of emergency communications abilities. CARA will set up and participate in Field Day again, this year at the Ball Pond Volunteer Fire Dept. on Fairfield Drive in New Fairfield.

This annual event, called "Field Day" is the climax of the weeklong "Amateur Radio Week" sponsored by the American Radio Relay League, also known as the ARRL - the national association for Amateur Radio, which is based in Newington, CT.

Using only emergency power such as batteries and generators, ham operators will construct emergency stations in parks, shopping malls, schools and backyards around the country.

CARA's 2022 Field Day operators invite the public to visit and listen in on Saturday, June 25 from 3:00 pm to 5:00 pm, and Sunday, June 26 from 10:00 am to noon.

Our slogan: "When All Else Fails, Ham Radio Works" is more than just words. CARA's hams will prove we can send messages in many forms without the use of phone systems, internet or any other infrastructure that can be compromised in a crisis. More than 35,000 amateur radio operators across the country participated in last year's event.

Sending and receiving test messages via voice, Morse Code, and digital means among stations will be practiced.

The Candlewood Amateur Radio Association is the Greater Danbury area's general interest amateur radio club. We focus on advancing technical knowledge, operating skills, fraternalism, and public service.

In -person meetings are held on the second Friday of the month at the Stony Hill Volunteer Fire Department, 59 Stony Hill Road, (Route 6) in Bethel, CT and have been resumed. This meeting is also available on Microsoft TEAMS.

CARA has members from the Greater Danbury area, and is among the longest established clubs (since 1946) in Connecticut.

CARA has been an ARRL-affiliated Club since 1946 (76 years in 2022), and an ARRL-designated Special Service Club for many years.

###



CARA FD Press Release written by W1QK



CARA W1QI 2022 ARRL Field Day Results

Compiled by W1QH & W1QK

2022 FD Summary Sheet

Start Date : 2022-06-25

CallSign Used : W1QI

Operator(s) : W1QK, KB1ZAC, KC1IBR, W1JGM, W1NSK, KC1QVE, N1RV,
N1GSA, AB1WV, W1JMA, WA1JGA

Operator Category : MULTI-OP

Assisted Category : ASSISTED

Band : ALL

Power : LOW

Mode : MIXED+DIG

Default Exchange : 2A CT

Gridsquare : FN31GK

ARRL Section : CT

Club/Team : Candlewood Amateur Radio Association

Software : N1MM Logger+ 1.0.9566.0

Band	Mode	QSOs	Pts	Pt/Q
3.5 CW	82	164	2.0	
3.5 LSB	59	59	1.0	
7 CW	187	374	2.0	
7 LSB	154	154	1.0	
14 CW	245	490	2.0	
14 USB	248	248	1.0	
21 CW	38	76	2.0	
Total Both	1013	1565	1.5	

Score : 3,130

Soapbox :

ARRL 2022 Field Day - Ball Pond FD, New Fairfield, CT

ICOM IC-756 Pro III, ICOM IC-7300, 80M/40M Skeleton Sleeve,

40M Half-Square, 20M HALF-Square, 15M Half-Square, OCF.

Honda EU -1000i generator.

Score tabulated and will be submitted to ARRL by W1QH and W1QK.

Note: Score Summary does not include claimed bonus points.



FD 6/25/2022 6:00:00 PM - Hour by Mode & Band Statistics

Day	Hr	CW 3.5	CW 7	CW 14	CW 21	LSB 3.5	LSB 7	USB 14	Tot	Accum
2022-06-25	18	0	0	60	0	0	4	0	64	64
2022-06-25	19	0	0	54	0	0	4	0	58	122
2022-06-25	20	0	0	29	0	0	20	0	49	171
2022-06-25	21	0	0	29	0	0	26	0	55	226
2022-06-25	22	0	0	25	0	0	18	0	43	269
2022-06-25	23	0	0	36	0	0	9	0	45	314
2022-06-26	00	0	42	3	0	0	0	56	101	415
2022-06-26	01	0	83	0	0	0	0	65	148	563
2022-06-26	02	58	4	0	0	0	0	40	102	665
2022-06-26	03	24	0	0	0	8	0	16	48	713
2022-06-26	04	0	0	0	0	15	1	4	20	733
2022-06-26	05	0	0	0	0	17	5	0	22	755
2022-06-26	06	0	0	0	0	9	17	0	26	781
2022-06-26	07	0	0	0	0	10	8	0	18	799
2022-06-26	08	0	0	0	0	0	1	0	1	800
2022-06-26	12	0	0	0	0	0	5	0	5	805
2022-06-26	13	0	0	0	0	0	33	3	36	841
2022-06-26	14	0	40	9	0	0	3	27	79	920
2022-06-26	15	0	2	0	30	0	0	20	52	972
2022-06-26	16	0	4	0	8	0	0	4	16	988
2022-06-26	17	0	12	0	0	0	0	13	25	1013
Total		0	82	187	245	38	59	154	248	1013 1013

FD 6/25/2022 6:00:00 PM - Hour by Mode & Band Statistics

Day	Hr	CW 3.5	CW 7	CW 14	CW 21	LSB 3.5	LSB 7	USB 14	Tot	Accum
2022-06-25	18	0	0	60	0	0	4	0	64	64
2022-06-25	19	0	0	54	0	0	4	0	58	122
2022-06-25	20	0	0	29	0	0	20	0	49	171
2022-06-25	21	0	0	29	0	0	26	0	55	226
2022-06-25	22	0	0	25	0	0	18	0	43	269
2022-06-25	23	0	0	36	0	0	9	0	45	314
2022-06-26	00	0	42	3	0	0	0	56	101	415
2022-06-26	01	0	83	0	0	0	0	65	148	563
2022-06-26	02	58	4	0	0	0	0	40	102	665
2022-06-26	03	24	0	0	0	8	0	16	48	713
2022-06-26	04	0	0	0	0	15	1	4	20	733
2022-06-26	05	0	0	0	0	17	5	0	22	755
2022-06-26	06	0	0	0	0	9	17	0	26	781
2022-06-26	07	0	0	0	0	10	8	0	18	799
2022-06-26	08	0	0	0	0	0	1	0	1	800
2022-06-26	12	0	0	0	0	0	5	0	5	805
2022-06-26	13	0	0	0	0	0	33	3	36	841
2022-06-26	14	0	40	9	0	0	3	27	79	920
2022-06-26	15	0	2	0	30	0	0	20	52	972
2022-06-26	16	0	4	0	8	0	0	4	16	988
2022-06-26	17	0	12	0	0	0	0	13	25	1013
Total	0	82	187	245	38	59	154	248	1013	1013

FD 6/25/2022 6:00:00 PM - Operator by Mode & Band Statistics

Operator	CW	3.5	CW	7	CW	14	CW	21	LSB	3.5	LSB	7	USB	14	Tot	Accum
AB1WV	0	0	0	0	0	0	6	2	8	8						
KB1ZAC	0	0	0	0	0	0	22	9	31	39						
KC1IBR	0	0	0	0	0	0	29	13	42	81						
KC1QVE	0	0	0	0	0	0	0	32	32	113						
N1GSA	0	0	0	0	54	0	0	3	57	170						
N1RV	0	0	0	0	5	0	0	18	23	193						
W1JGM	0	0	0	0	0	0	97	171	268	461						
W1JMA	0	0	0	8	0	0	0	0	8	469						
W1NSK	0	23	112	0	0	0	0	0	135	604						
W1QK	82	152	133	30	0	0	0	0	397	1001						
WA1JGA	0	12	0	0	0	0	0	0	12	1013						
Total	82	187	245	38	59		154	248	1013	1013						

FD 6/25/2022 6:00:00 PM - Operator by Points Statistics

Operator	1	2	Tot	Accum
AB1WV	8	0	8	8
KB1ZAC	31	0	31	39
KC1IBR	42	0	42	81
KC1QVE	32	0	32	113
N1GSA	57	0	57	170
N1RV	23	0	23	193
W1JGM	268	0	268	461
W1JMA	0	8	8	469
W1NSK	0	135	135	604
W1QK	0	397	397	1001
WA1JGA	0	12	12	1013
Total	461	552	1013	1013

CARA 2022 ARRL Field Day

Ball Pond Fire House – New Fairfield, CT June 25-26, 2022

Images submitted by: W1JGM, W1QH and KC1QVE







Hearty and ample fuel for CARA's 2022 hungry W1QI FD operators.



Thanks to chef Gary – N1GSA with assistance from Eric – N1RV for preparing our exquisite FD fare and to Susie – KC1QVE for the delicious tray of homemade lasagna.



Such a wonderful and appetizing table de N1GSA and others.

Look closely. Is Gary monitoring the SSB station's audio through that cable connected into his ear? Oh - not really. It's the feedline for the OCF antenna.

Amateur radio – It's more than just talking on the radio

de John Morelli – W1JGM, edited by W1QK



I'd like to share a short Ham Radio story with all my CARA friends.

For several years, I conversed weekly with Frank Mastroni the father of Sue Hanley, a good friend here in New Fairfield, CT who lived in Denver, Colorado. I met Frank Mastroni - N0FM, at his Granddaughter, Stephani Doyle's wedding in 2014. We started talking about life in general, and the subject of Ham Radio came up. He smiled as his eyes opened wide when we discovered our mutual interest in amateur radio – and, as they say, the rest of the day was history - as we spoke about our wonderful shared hobby.

After Frank returned to Colorado, we maintained a schedule to talk several times a week on 20 meters for several years. He always asked about his daughter and granddaughter, and I'd relay family messages back and forth between them. It seemed to put a sparkle into his voice, which I heard immediately.

Sadly, Frank became a Silent Key in 2018 at the age of 93. Originally from Bridgeport, CT. NOFM had been a licensed operator since WWII and served in the US Air Force. Frank was a radio operator during his time in the service

After returning home, Frank first set up a ham station in Connecticut, then again after moving to Denver, Colorado. Frank was a proficient CW and Phone operator.

At this year's CARA Field Day, Frank's Daughter Sue, stopped by. After visiting for a while, and showing her around, she told me she had something for me.

Sue brought Frank's Golden Eagle D-104 desk microphone to Field Day to be gifted to me from the Mastroni family in Colorado.

I was extremely touched to know that our contacts and friendship through our shared hobby benefited his family in both Colorado and Connecticut. I'll always remember the conversations we had and treasure our relationship - along with knowing that my ham radio hobby made a difference in his family's lives.

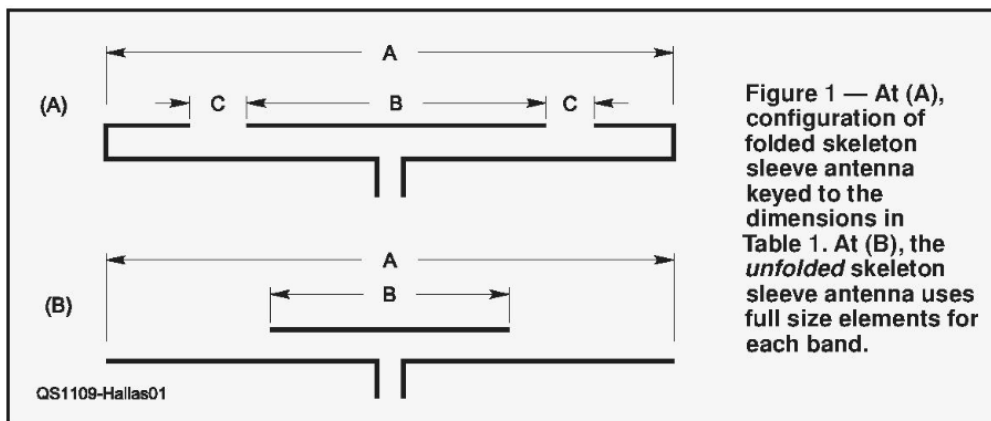
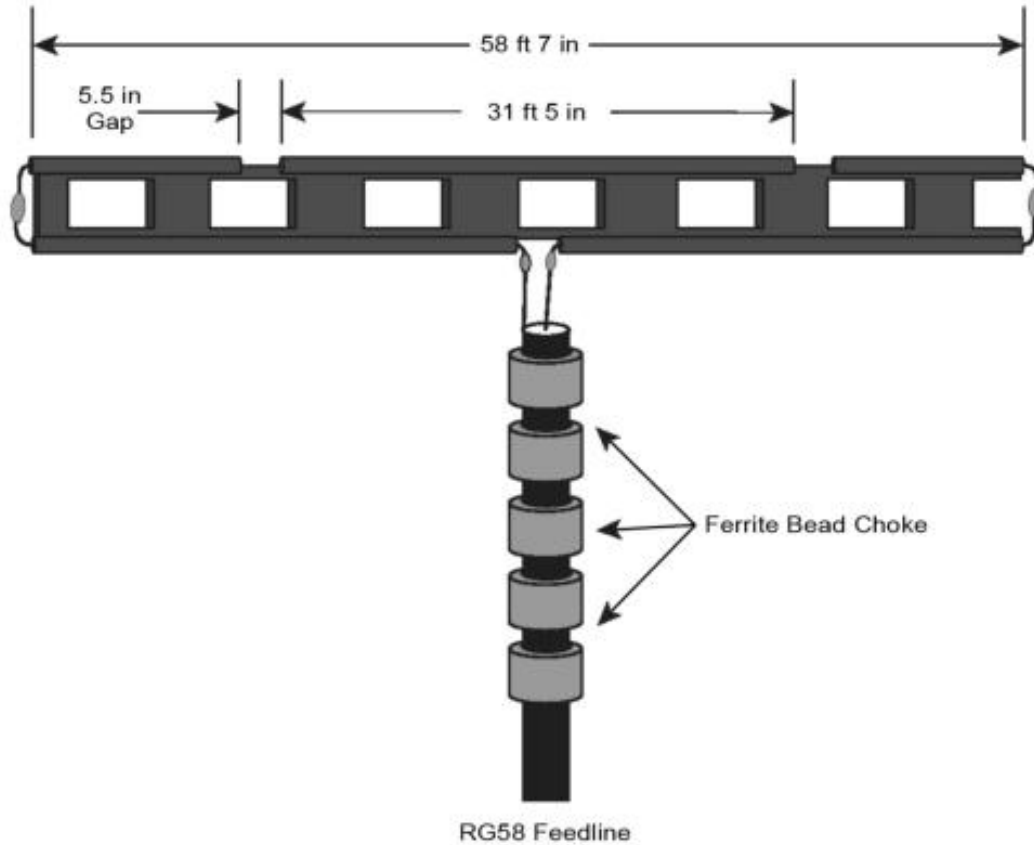
I'll proudly use it and remember Frank and our special friendship.

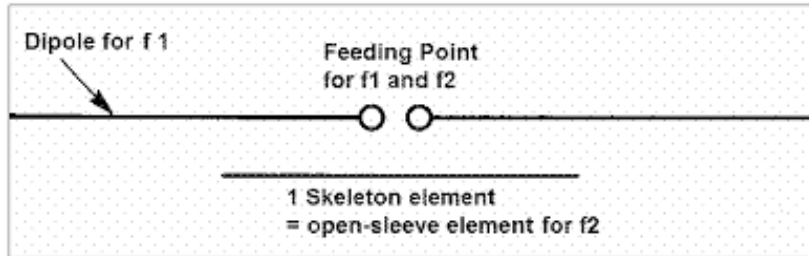
Rest in Peace, Frank Mastroni - NOFM (SK) 1925-2018

John Morelli – W1JGM
CARA Vice-President

What were those antennas used at CARA's 2022 FD?

Folded Skeleton Sleeve antenna – QST May, 2011 Joel Hallas, W1ZR





The American Radio Relay League



Folded Skeleton Sleeve Antenna Dimensions (Figure 1A)

Bands (Meters)	A (Feet)	B(Feet)	Gap (Inches)
160/75	210	114	24
80/40	111.4	61.5	12
80/30	104	43.2	4.8
80/10	96	15.4	9.6
75/60	110.6	81.4	3.6
75/40	107	60.8	7.2
74/41 (MARS)	100.2	59.8	7.2
40/30	58	43	6
40/20	56.3	30.8	4
30/20	42	30.7	7.8
30/17	40.8	24.08	5.5
30/15	38.0	20.7	5.4
20/17	30.6	24	4.2
20/15	29.6	20.5	9.1
20/10	27.6	15.4	3.6
17/15	24.3	20.5	9.0
17/12	23.6	17.4	9.6
17/10	23.2	15.3	10
15/10	20	15.3	4.2
10/6	14.4	8.3	5.6
6/2 (CW/SSB)	7.4	3.0	3.6
6/2 (FM)	7.1	2.9	4.2
4/2 (UK)	5.4	3.0	2.25

- **Inverted Vee**

- **Big bonus: only needs one support**

- **Radiation is more omni-directional than dipole**

- **Drooping the legs**

- **brings impedance closer to 50 \square**

- **makes end capacitance effect larger**

- **Antenna needs to be SHORTER than dipole (\sim -5%)**

- **(note: App 2 in study guide is wrong, says +5%)**

- can cause hazard to people on the ground so keep ends ~8' above ground
- Leg angle should be $> 90^\circ$ to avoid interference between field from each leg

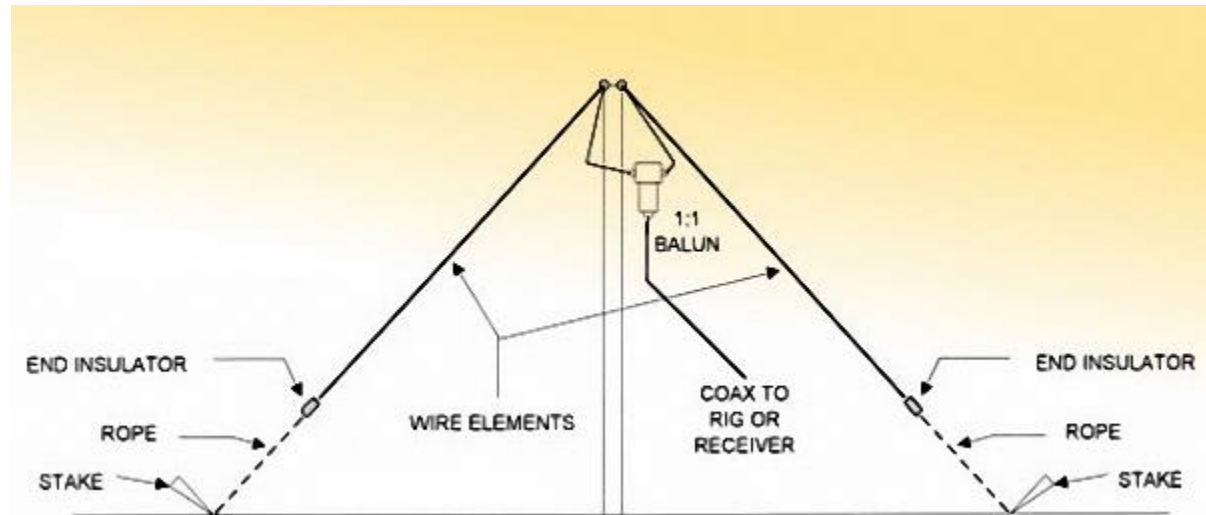


Illustration and photo credit – K9WX

References:

<http://www.hamclass.net/ranv/pres/HC16MultAnt.pdf>

Folded Skeleton Sleeve antenna – QST May, 2011 Joel Hallas, W1ZR

<http://www.k9wx.net/rover.htm>



Model MFJ-16F01 Mid-feed ladder line insulator – available at HRO & Gigaparts

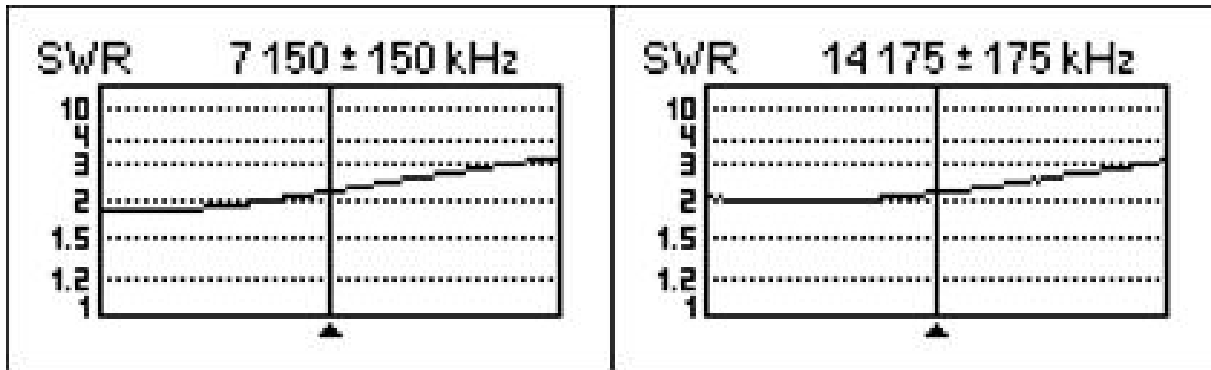
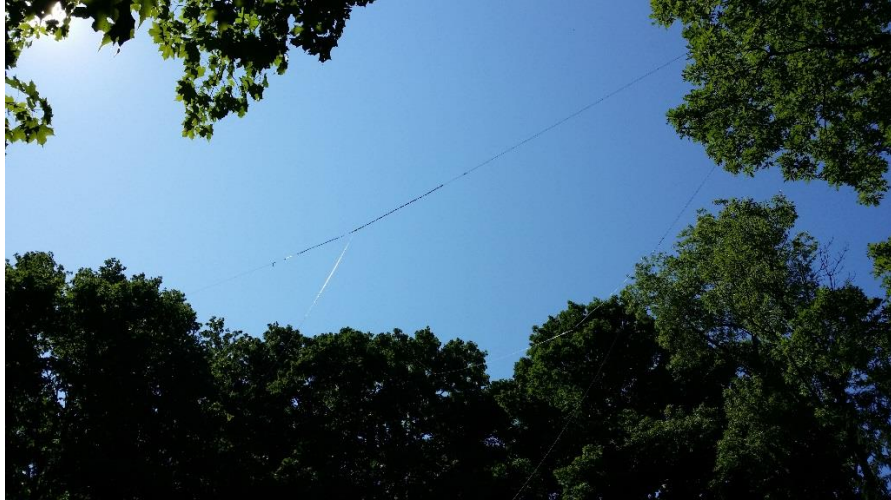
Synthetics Textiles rope laced through ladder line for additional mechanical strength.



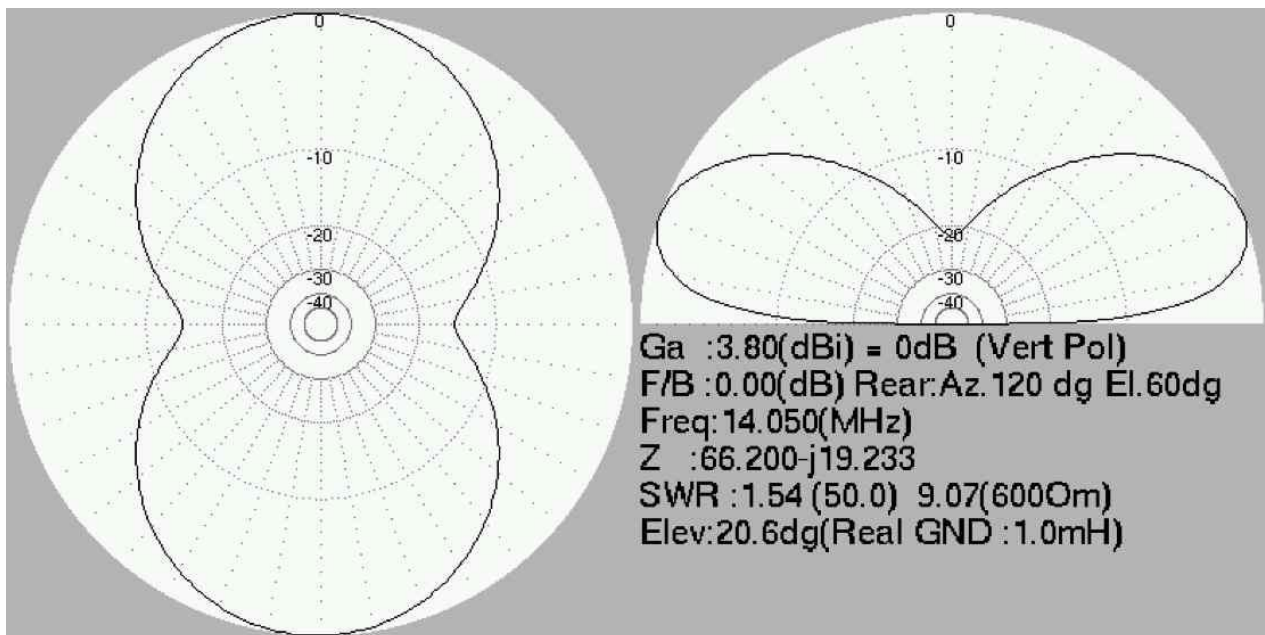
Detail of MFJ - Model 16F01 Ladder Line Center insulator and rope knot used for hanging inverted Vee from support.

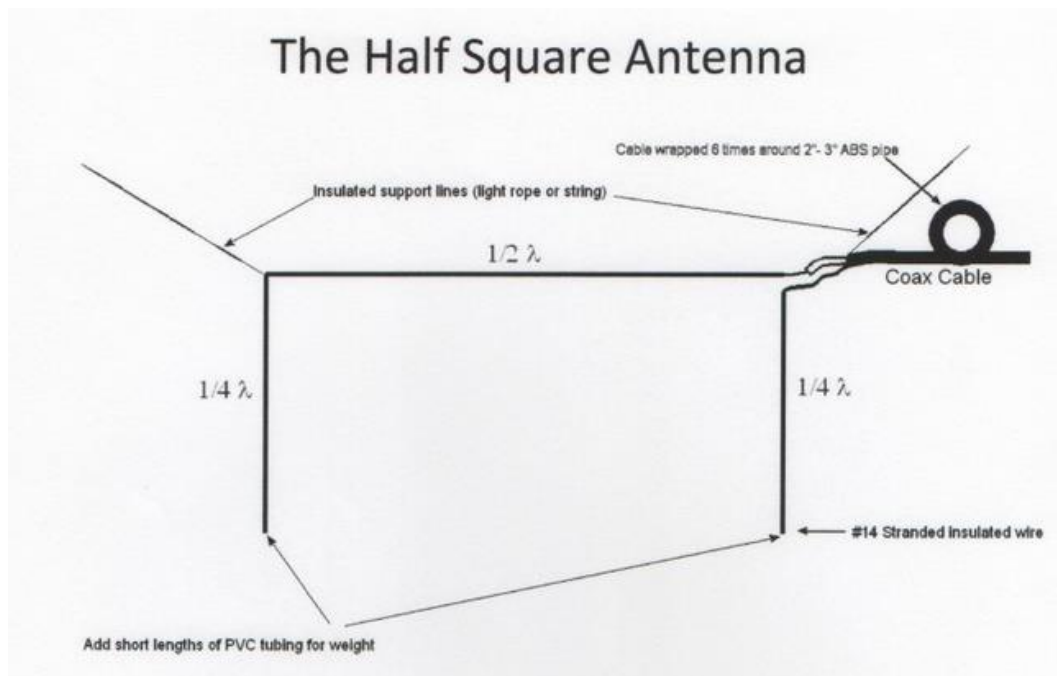


MFJ ladder line center insulator and ladder line connection to SO-239
Photos: W1QK



Half-Square Antenna





Half-Square information:

<https://va7st.ca/2010/08/a-cheap-40m-dx-machine-the-twin-half-square-array/>

Off Center Fed antenna:

What is an Ocf antenna?

OCFD stands for **Off Center Fed Dipole**. This specific antenna is fed away from the center (usually around 1/3 the way). At this point the input impedance is closer to 200 Ohms so a 4:1 balun is used to match the impedance from 50 Ohms to 200 Ohms.

How does an OCF dipole work?

How it Works. Like most HF antennas, the OCF is based on the dipole. **By measuring impedance between the center and the ends of the dipole, you may find impedances between 73 and 3,000 ohms.** For the OCF, the goal is to determine a point where the impedance is low enough to be useable on multiple bands. Apr 21, 2021

<https://www.hamradiosecrets.com/off-center-fed-dipole.html>

http://webclass.org/k5ijb/antennas/Window_off-center-fed-dipole.htm

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CQRC, Winsted, SBERK, ICRC, **CARA**, GBARC, GNARC



WHAT: Jamboree **On The Air**(JOTA)

DATE: Saturday-Oct.15,2022

Hours: 9 AM - 4 PM

JOTA 2022 is COMING!

When Scouts want to meet young people from another country, they usually think of attending a World Jamboree. But, few people realize that each year more than a million Scouts and Guides "get together" over the airwaves for the annual Jamboree-on-the-Air (JOTA).

During the 2014 event, worldwide Scouting participation included **1.1 million Boy Scouts and 200,000 Girl Guides/Girl Scouts**, for a total participation of over 1.3 million--the largest Scouting event in the world.

<http://arrrl.org/jamboree-on-the-air-jota>

There is nothing as rewarding as seeing scouts get **EXCITED** after an **ON THE AIR** experience, and begin **RESONATING** with the idea of becoming a licensed Ham.

I will be contacting the 3 major Scouting Councils and one single town Council in CT (Housatonic Council, CT Yankee Council, CT Rivers Council, Greenwich Council) this coming week to confirm their desire for us to provide JOTA Activity (GOTA) Stations at their FALL Camporees in:

Camp Strang - Goshen

Camp Sequassen - New Hartford

Hoyt Scout Reservation - Redding Ridge

& Other Sites (TBA)

Based on their responses, I will be looking to **create TEAMS** of licensed Amateur Radio Operators to go to the various locations and operate "**Portable**" (HF/VHF/UHF) and "**SHARE THE MAGIC**" with **GOTA (Get On The Air)** stations.

PLEASE SAVE THE DATE & **MARK IT ON YOUR CALENDAR**
SATURDAY - OCT. 15, 2022

For more information (or to volunteer), please contact me at:
CTJOTAham@[GMAIL.COM](mailto:CTJOTAham@GMAIL.COM)

Thank you!

73,
Douglas Sharafanowich - WA1SFH
Section Youth Coordinator - Connecticut
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For Immediate Release

Electronics and Amateur Radio Hamfest: September 11, 2022
Sponsored by the Candlewood Amateur Radio Association

We are back for 2022, In a NEW LOCATION and DATE!

The Candlewood Amateur Radio Association (CARA) will be hosting the **Western Connecticut Hamfest** and swap meet on September 11th from 8 am till 1PM, Rain or shine. This is an IN-DOOR Event.

This annual event will be held at the **Police Athletic League, 35 Hayestown Road, Danbury, CT.** This is "The Biggest Little Hamfest in Western CT" and is sure to have plenty for all electronics, makers, and Amateur Radio enthusiasts.

Every year, enthusiasts from the greater Danbury area and surrounding states gather to swap gear, knowledge, and stories. This year there will be an Amateur Radio License testing session (9:30 am) as well as a presentation by Fred Kemmerer, the ARRL New England Director. We will also have the Region 5 Amateur Radio Emergency Service (ARES) forum at 10:30AM. Get studying and take your first FCC Amateur Radio License test or upgrade your license while finding that great piece of tech you can't live without!

There will be electronics, computer and radio equipment vendors, demonstrations, and refreshments as well. Raffle tickets will be sold for some great gear and your admission includes entry for the many door prizes.

Regular admission is \$8 at the door (\$1 discount with the flyer, available at our website). Kids under 12 are free!

Vendor spaces are available for \$20/spot. Each spot includes one admission. Get rid of that gear you don't use anymore. There is sure to be someone there interested in your used/unused computer, electronic or radio gear.

For further information go to hamfest.cararadioclub.org or contact John Morelli W1JGM at hamfest@cararadioclub.org or call 203-417-0160.



Sanctioned by ARRL

SAVE THE DATE

SEPTEMBER 11, 2022

SUNDAY, DOORS OPEN 8AM
Candlewood Amateur Radio Association
Annual

Western CT. Hamfest

The BIGGEST, little Hamfest in
Western Connecticut

Table spots \$20 each (All spots inside)

Bring your own table

Includes 1 admission

General admission at the door \$8 (**\$1 discount with flyer**)

Children under 12 Free

See you at the Hamfest "73"

CARA is a 501(c)3 organization

FALL "ARES" FORUM
10:30 IN THE HALL

DEMONSTRATIONS

MAJOR RADIO, TECH,
AND COMPUTER
VENDORS

INDOOR TABLES

VE SESSION - 9:30
NO APPOINTMENT
REQ.

REFRESHMENTS
RAFFLE
DOOR PRIZES
50/50
GOOD TIMES

TO BE HELD AT
Police Athletic League
35 Hayestown Road
Danbury, CT.
06810

hamfest.cararadioclub.org

Contact: John Morelli
(W1JGM)

E-Mail

hamfest@cararadioclub.org