Capers

July - 2023

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 14, 2023

This meeting will be conducted in-person at the Stony Hill Fire Dept. in Bethel. Doors open at 7:00 pm, gavel at 7:30 pm.

July 14 Meeting Agenda

Pledge of Allegiance

Business Meeting

Acceptance of Minutes as Published in CAPERS

Treasurers Report

Committee Reports

- Repeater: Chairman
- Website

Old Business

- Parks On the Air July 15 Event Lovers Leap Park New Milford
- HAMFEST

New Business

- Big E Amateur Radio Booth: 9/15-10/1. ADM & Parking reimbursed for manning the Booth.

Announcements: Informal Spaghetti Dinner July 18.

Adjournment

President's Message – de W1NSK

Summer is here! Our new Officers have been elected. Some committee assignments will be changed. I as reelected President want to thank you for the support. Most important to me is your support of the club by not only paying dues, being an ARRL Member as we are an ARRL Club but be as active as you can in our events and meetings. We are working on new ideas. If you have one, please let me know!

I want to thank all who contributed their time in making the 2023 CARA Field Day event possible! A lot of preparation and planning went into this successful effort. I hope everyone enjoyed the event and fellowship had.

Next up Our Ham fest, is not far away being on September 10th from 10AM to 2PM at Danbury PAL. This is an "ALL HANDS-ON DECK" event that takes a lot of work. More to come as planning has already started. ACTIVE PARTICIPATION is necessary to successfully manage our biggest fundraiser of the year. We need workers to make it happen. Be a worker! A sign-up sheet will soon be made available. I would ask every club member to plan on contributing a minimum of 2 hours to this effort that day. That is not just having coffee and chatting with friends but pitching in and helping us work the event to make it successful. Ask John, W1JGM, or John, W1JMA our Cochairs' what you can do.

This month's CARA POTA (Parks on The Air) will be held on July 15 at Lovers Leap Park in New Milford. Operation usually begins with us gathering at 10AM and staying until 3PM or so. Bring your portable station, a friend to introduce to the hobby or just yourself and join us!
The Club is looking for presenters at our meetings. It has been suggested that Club presenters may be more interesting and relevant than some of the "celebrities" we've had in the past. Let me know if you're interested in doing something. It doesn't have to be long with many PowerPoint slides. A

simple half hour talks about a project or experience related to Ham Radio is good. Especially looking for topics such as Digital Modes and RTTY.

Our Club Repeater on 2Meters was down for a period and is now back up at a temporary location. Coverage is not as great and we are working on a longer term solution. The 440 Machine remains available. I thank the Repeater Comm. For their efforts.

The informal Spaghetti dinner is again at Villa Vespucci Lodge on July 18th at 6PM. Stop on by for some socializing and "radio talk". $12 all included except beverage.

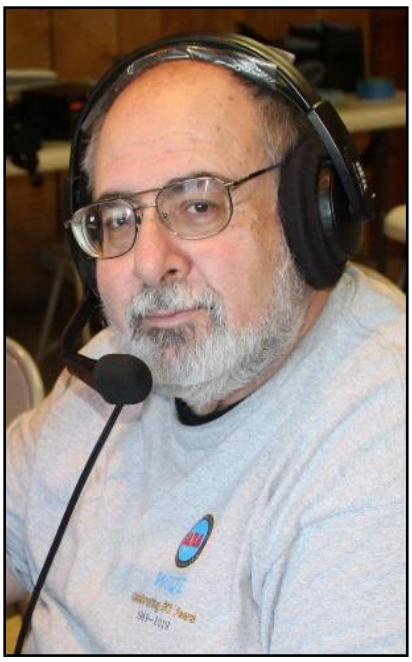
This is your Club, and your active involvement is what makes it fun for all. meetings are held the second Friday of the Month. Doors open at 7PM and the meeting starts at 7:30. Meetings are now held at the Stony Hill Fire House in Bethel on RT. 6.

Come out to a club meeting, see some old friends and make new ones, get involved in a club committee, ACTIVELY participate and get on the Air!

Bud – W1NSK
CARA President

Vice- President's Message:

de W1JGM



2023 ARRL Field Day in the books. First, I would like to thank John Ahle - W1JMA, for the organizational part of field day and everyone who assisted in set up, operating and clean up. It takes a lot of planning and cooperation on everyone's part to hold a successful event large or small. This year was all of that. I am looking forward to the final report.

Our next on the air event will be the summer POTA event, which will be held on July 15 Lovers Leap State Park in New Milford. Meet at 10:00 am.

Congratulations to Tina KC1SUG and Ken KQ4HSM as they join the ranks of Amateur General. Great job. Now, enjoy the privileges your new upgraded license brings.

We will continue our Sunday Elmer Night at 8:00 pm with informal reviews of the Amateur Test and a Q&A session concerning our hobby. All are

welcome. Contact me if you need the link to the MS Teams and I'll e-mail you the link.

Please join us at the Stony Hill Fire Dept on Route 6 in Bethel on Friday July 14 for the CARA July Meeting. Doors open at 7:00 pm with a 7:30 pm start.

Thanks, and get on the air.

Remember this is your club!

John Morelli - W1JGM
CARA Vice-President

June 9 Monthly Business Meeting Minutes

de CARA Secretary/Treasurer, John Ahle - W1JMA

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

Pledge of Allegiance was recited.

This meeting was held in person at the Stony Hill Fire House. There was a round of introductions. Jay KB1GGP from New Milford was new to the group. He found us via our website. Ken, KQ4HSM and Tina, KC1SUG were present as new members.

Minutes of the previous meeting were accepted as printed in the CAPERS were approved as presented.

The treasurer reported an opening balance in the checking account of $6605.73. There was $863.11 of income for the month comprising of dues and the sale of the Kenwood 2000 for $750. The expenses for the month were $25.74 for a CPU Battery for the Echolink computer and $50 for support of the NEQP plague sponsored by CARA. Ending balance of $7443.10. In addition, there is approximately $4620 in the I bond Account.

John Ahle - W1JMA, presented for a second time the slate of officers and directors for the upcoming year that begins on July 1st.

President W1NSK Nicholas S "Bud" Kozloff,
Redding, CT

VP W1JGM John G. Morelli, New Fairfield, CT

Secretary/Treasurer W1JMA John M. Ahle,
Ridgefield, CT

Director #1 WA1JGA David M Coelho, Danbury, CT

Director #2 W2ROS Rostyslaw O Slabicky, Danbury, CT

Director #3 N2OHH, Vincent Tompkins, Danbury, CT

There was an opportunity for nominations from the floor. No nominations were made, a motion was made and seconded to close the nomination process. Motion passed. Given there was no opposition to the slate, the retiring Secretary, Gary Adams - N1GSA, cast a single ballot to elect the new slate of officers.

A motion was made and seconded to remove all the outgoing and previous officers who are currently signatories on the USB checking account and replace them with the following:
President W1NSK, Nicholas S "Bud" Kozloff
Redding, CT
VP W1JGM , John G. Morelli, New Fairfield, CT
Treasurer, W1JMA, John M. Ahle, Ridgefield, CT

Director #1, WA1JGA, David M Coelho, Danbury, CT

The motion was unanimously approved.

Committee Reports:

Repeater Committee:
Bud Kozloff announced that Steve Simons - W1SMS, was the new Repeater Committee Chairman effective immediately. John Morelli, who has been interim chair, reported on the positive progress made on the linking repeater project. The linked repeaters allow our 2m and 440 machines to be linked to a CT statewide system. A work party consisting of club members Harlan Ford, Mike Walters, and John Morelli along with technical expertise friends of CARA, Paul Gibson - N1TUP and Dana Underhill - KB1AEV, successfully made the necessary changes to antennas and other equipment. The linking process is now working, the 440 machine is always linked to the statewide system and the 2m can be linked on demand by control operators Harlan Ford, John Morelli, and Steve Simons.

John reported on the deterioration of the repeater site and "box" that houses the repeaters. Efforts are underway with the City of Danbury to rectify the situation. More will be reported in the future. It was mentioned that the Danbury FD had to spend an hour clearing the overgrown brush to allow the ATV to bring the men and equipment to the site.

There were two motions made and seconded to reimburse Paul Gibson - N1TUP, for the new 440 linking antenna, $111 and John Morelli for dinner expense $189.95 relating to the work party. Both motions passed unanimously.

Website Committee:
John Morelli reported on the status of the Website. Stephanie Fuda, web master/designer, is ready to launch the new site once John Morelli and Bud Kozloff review the site and content.

Announcements:
The next POTA will be at Lovers Leap in New Milford on Saturday July 15th from 10am to 3pm.

The next CARA pasta night at the Vespucci Club in Danbury is Tuesday June 20th at 6pm.

The Big E is in September. The organizers are looking for ham radio operators to man the booth. The cost of parking and admission will be free for volunteers. Anyone interested please contact Bud.

Ridgefield Fire Works are scheduled to occur on July 2nd. Hams are asked to volunteer to provide situational awareness. If interested, please contact John Ahle.

Activity Planning:
There was a lengthy discussion regarding Field Day, Saturday June 24, and Sunday June 25th. John- W1JMA walked through a lengthy planning document provided by Dan-W1QK.

- Antennas will be placed on Tuesday 6/20 at 11am or Thursday 6/22 11am should it rain on Tuesday. Dan- W1QK and John- W1JMA will be leading that effort.
- Harlan- W1QH will ready the computers with N1MM and the Icom 756 Pro3. John- W1JGM and John- W1JMA will bring ICOM 7300 for the second station.
- Susie-KC1QVE is gathering the food for the event. Participants will be expected to contribute to cover the cost of the food.
- Ken- KQ4HSM will be the safety officer.
- PR efforts will be made by John- W1JGM

Members are encouraged to sign up for the setup, operating times and clean up using the Sign-Up Genius link sent by Dave- KB1ZAC.

There being no further business. The meeting was adjourned at 8:50pm.

Respectfully submitted,
John Ahle – W1JMA, Secretary/Treasurer

CARA Has been an ARRL Affiliated Club since 1946 – 77 Years in 2023

CARA Elmering TEAMS sessions continue

On Jan 6, 2023, at 8:24 PM, John Morelli via CARA <cara@cararadioclub.org> wrote:

Time is being set at 8 PM Sunday evening to assist anyone interested in becoming licensed or upgrading their license. We are asking anyone interested in assisting Elmering (coaching) new Hams get their license or upgrade.

Veteran CARA members are welcome to join to help our new Hams.

This is a time to ask questions you may have about operating, station setup, antennas, or anything else. Join Us!

W1JGM – John.

Editor:
TEAMS meeting credentials for CARA Elmer sessions will be posted to the CARA Reflector.
Another benefit of paid CARA membership besides an annual subscription to this CARA Capers Monthly newsletter.

Weekly CARA Sunday club NETS:

28.490 MHz. USB 7:00 pm – 7:30 pm
Net Control: Vinny – N2OHH

W1QI 2M FM Repeater – 7:30 pm
Net Controls: David -KB1ZAC, Charlie-KC1IBR, or John – KD2VUP

Upcoming Contests, Hamfests & Meetings:

July 10: ARES Region 5 South meeting via TEAMS
July 14: CARA Monthly Business Meeting. In-person at Stony Hill Fire House in Bethel.
July 15: CARA POTA monthly operating event: Lovers Leap State Park in New Milford 10:00 am – 4:00 pm
July 15: CQWW VHF Contest
July 18: CARA Monthly Pasta Night Dinner – Italian American club in Danbury 6:00 pm
July 25: ARRL 2023 Field Day entry and bonus point evidence submission deadline
July 28: CARA Monthly Planning Meeting
July 31 CT ARES Region 5 meeting via TEAMS
July 12, 19, 26: CWops CWT 1300Z & 1900Z Wednesday, and 0300Z (Thursday)

August 4 : August 2023 Capers input deadline to w1qk@snet.net

Worked All Connecticut Counties Award - WACC

Sponsored by CARA & administered by CARA Secretary/Treasurer John Ahle – W1JMA:

http://www.cararadioclub.org/activities

Use this link to access the WA7BNM Contest Calendar website:

https://www.contestcalendar.com/index.html

Editor:
CARA has contributed financial support to WA7BNM for his Contest Calendar and 3830 Contest Scores websites for two years.

2023 Ham Exam Schedule

Wallingford CT 06492-6232

08/12/2023

Sponsor: Meriden Amateur Radio Club
Date: Aug 12 2023
Time: 9:00 AM (Walk-ins allowed)
Contact: James R. Savage
Email: n1zn@arrl.net

VEC: ARRL/VEC
Location: Hope Hill Firehouse
143 Hope Hill Rd
Wallingford CT 06492-6232
Website: http://www.w1nrg.com/website/index.html

Upcoming 2022 Amateur radio exams:

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

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Connecticut Phone Net – CPN

This net starts at 6:00 pm EDT Monday through Saturday on 3.972 – 3.973 MHz. Sunday: 10:00 a.m. EDT 3.965 MHz.

CT ARES news:

CT ARES supported the annual Litchfield Road Race on Saturday, June 11. ARES members and other hams provided communications support.
This event was coordinated by Paul Gibb – KB1TOR.

Submit CT ARES news to CARA Capers to be included here in next month's issue.

Next CT ARES Winlink Wednesday:
Wednesday, August 2, 2023

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

http://www.ctares.org/

"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

"CW's Corner"

de W1QK & WA1KRG

CW

Prevent ID Theft: Destroy Those Documents!

Protecting oneself from theft used to be as basic as securing the doors and windows of your home. But today, an enterprising thief can take control of your assets without breaking a window. Identity theft continues to be one of the fastest-growing crimes in the United States. According to the Federal Trade Commission (FTC), approximately 10 million Americans have their identities stolen each year.

So how do you secure your identity?

Clues to your personal and financial information are often buried throughout your personal paperwork and mail. One search through your mailbox or trash could garner enough evidence for a thief to take control of your identity and your

finances. Thieves use credit cards, financial statements and utility bills to obtain and exploit that personal information.

The first line of defense is to destroy documents that contain your personal information before anyone can access them. Private documents and credit or debit cards, which contain sensitive information, should be destroyed once you no longer need them.

Here are four suggestions for properly destroying those personal documents:

Shredding

A paper shredder will transform your documents into unidentifiable strips of paper. If you don't have a shredder, but there's one at your workplace, check with your management to know if it's OK for you to use it for your personal paperwork. If not, there are several organizations throughout most communities that host "shred days" by partnering with firms that specialize in secure on-site shredding.

Mutual Security Credit Union will host three upcoming Community Shred Days at our branch locations on Saturday, July 15th, Saturday, September 9th, and Saturday, September 30th. Visit our website to learn more!

Fire

Reducing your documents to a pile of ash is a surefire (pun intended!) way to destroy them. Use documents as kindling, or add them to a fireplace, wood-burning stove, or bonfire. You can add other scrap paper to the fire to confuse anyone who may be looking through the ashes for pieces of documents that may not have fully burned.

Water

A good soaking will render any document illegible. Simply immerse a stack of junk mail in a tub filled with water before dumping it.

Confetti

This option is more time-consuming, but it can be a great rainy-day activity. If only a small area of a document contains sensitive information, hole-punching that area will make the document useless, and you'll get lots of homemade confetti.

Expired credit cards are still critical and need to be disposed of properly. Rubbing a magnet across the card a few times will disable the magnetic strip on the back. You should also cut the card into pieces, making sure that each set of four numbers is cut in at least two places. Then smash the chip (if applicable) and dispose of the pieces in different garbage bags

Using these basic steps to destroy your personal documents can protect your information and your finances. As a general rule, it is better to have as few physical documents on file as possible. Switch to online banking and opt out of paper statements. Keeping your finances digital will help simplify your daily chores and help protect you from fraud.

MSCU provides free online and digital banking for members with a simple sign-up. Learn the different Ways to Bank at MSCU.

Source:

https://blog.mscu.net/prevent-id-theft-destroy-those-documents?utm_medium=email&_hsmi=264467383&_hsenc=p2ANqtz-__Ye6EqJeq7hRV9TmX05GYCnMTRnDLzmAI-TvKcnSUFZ4cD0xDA7KMM9xYdLf41OwdLXlC_CHRa6T9Fpa6JcGaKSd-zQ&utm_content=264467383&utm_source=hs_email

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.

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.

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

Executive Board:
President – Bud Kozloff, W1NSK
w1nsk@w1qi.org
Vice President – John Morelli, W1JGM
w1jgm@w1qi.org
Secretary – Treasurer
John Ahle – W1JMA, w1jma@w1qi.org

Directors:
David Coelho, WA1JGA
wa1jga@w1qi.org
Vincent Tompkins – N2OHH
n2ohh@q1qi.org

Rostyslaw Slabicky – N2ROS
w2ros@w1qi.org

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/Newsl/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.

Free of charge to ARRL members...

- 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!

ARRL CT Section News

This space reserved in CARA Capers for monthly updates from our ARRL CT Section Leadership.

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/

FYI messages from the YCCC Reflector with acknowledgement to all contributors:

4a.
Site MO04
From: Randy Thompson K5ZD

Date: Fri, 07 Jul 2023 14:49:59 EDT
Photo of K5ZD and W2SC operating site.

The use of the agricultural B&B is fantastic. Real beds. Bathroom with shower. Air conditioning. Italian cooking.

Now just enjoying the perfect weather and waiting for the contest to start.

Randy K5ZD

4b.
Re: Site MO04
From: Dennis W1UE
Date: Fri, 07 Jul 2023 15:44:18 EDT

Congrats, Randy!

Just to show that you never know what you're going to get for a WRTC site, K1XM and W1UE have a station in a gymnasium. No AC, but we do have a BIG fan. Real beds, a bathroom with a shower both 50m from the station in a B&B with no AC. Real Italian cooking at one of several restaurants in the area.

We are in San Mauro Pascoli, in a group of 5 sites the most easterly and southernly of the WRTC sites. FC05 is our site locator.

WRTC is an adventure. We are living the dream, just not as comfortably as some others. And the noise level here is reasonable- S1 on 20-15-10, S2 on 40, and S5 on 80- all taken at 1600 local.

Hope to see a lot of you in the log!

Dennis W1UE

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/

FYI: Messages from the CWops Reflector with acknowledgement to all contributors:

Re: Special Ask #cwops
From: Stew GW0ETF (919)
Date: Tue, 20 Jun 2023 03:38:44 EDT

For anyone using an Android phone/tablet IZ2UUF Morse Koch CW could be well worth a look (https://www.iz2uuf.net/cw/). You can load it with a complete SCP file of callsigns and set it to voice each call after a chosen delay. Ideal for in the car, out jogging or walking the dog or alpaca or whatever. Unfortunately I now have a refurb Iphone....

73, Stew GW0ETF

Re: GB13COL
From: Richard - N1RBD
Date: Sun, 09 Jul 2023 10:53:41 EDT
On Sun, Jul 9, 2023 at 07:51 AM, James Jordan wrote:

I haven't quite figured out how experienced ops are expected to become experienced without experience. Would you put a 16 year old in a Formula One car without practice? Get experience with POTA, SOTA, lesser special event stations, etc. Don't throw them to the wolves by scheduling them to operating a station like GB13COL without cutting their teeth on lesser events.

3b.
Re: GB13COL
From: James Jordan
Date: Sun, 09 Jul 2023 11:24:56 EDT

Is the comparable danger getting his throat cut by an impatient DX'er?

Agree appropriate scheduling where possible. We do it in multi situations.
But if that's not reasonable, a bit of understanding and support may keep a newbie in the hobby to replace us OF's who are dying out at an alarming rate.
73,
Jim K4QPL VP5M

3c.
Re: GB13COL
From: Richard - N1RBD
Date: Sun, 09 Jul 2023 22:03:22 EDT
On Sun, Jul 9, 2023 at 11:24 AM, James Jordan wrote:

Is the comparable danger getting his throat cut by an impatient DX'er?
Agree appropriate scheduling where possible. We do it in multi situations.
But if that's not reasonable, a bit of understanding and support may keep a newbie in the hobby to replace us OF's who are dying out at an alarming rate.
Ok, then would you put someone who had just taken his first Cisco certification class with little or no hands-on experience and put them as the lead of redesigning a multinational corporation network? No danger of death there.

I'm all for newbies getting experience, but it should not be OTJ training during huge events such as this. The CW Op for GB13 on Monday should have had basic competence to run split during a massive pileup and not use the full QSO protocol when signing.

4a.
Re: Spleeeet
From: Rob K6RB #3
Date: Sun, 09 Jul 2023 11:07:14 EDT

In my CWA classes, I always discussed in at least one session the strategies in working pileups.

Essentially:

* Putting your rig in split mode
* Finding a clear spot with vfo B
* Never sending when the DXped op was sending
* Checking vfo B regularly to make sure it was still clear

etc.

Rob K6RB

Re: FWIW: GB13COL
From: Radio Station K0HB
Date: Sun, 09 Jul 2023 22:26:18 EDT
The Wise Ones live in the depths of the D, E, and F-Layers, and in the servers at Yahoogroups.com. They are the descendants of the Gods. I personally subscribe to the theory they are the children of Thor Heyerdahl, the Viking god of Thunder and Balsawood Raft Dxpeditions. But that's another story.

The Wise Ones criticize everything that happens on the air and on this list, but they can't police every pileup or every Yahoogroup by themselves, so every morning, just before daylight over Katmandu, the Wise Ones select the "Mostest Intellegentest Ham Ever" in their layer and convey upon him the title INFLICTOR OF HIGHER MORAL HARANGUES. This title and its duties last until the following dawn on Bouvet, if someone is there to observe the sunrise. Otherwise your duties end when Riley Hollingsworth gets tired of your crap and sends his lawyers with a gag order.

If you are ever chosen you will know because a representative of the Wise Ones will anoint your temples with oil from a sixty year old bottle of Dr. Guano Elixir, collected on Ocean Island by VR1L in 1963. For that day you will be known as The Chosen. Your duties will be to seek out those that don't do things the way you do them (in other words, the right way.) When you find them, it will be your duty to correct them.

Think about all the ills of ham radio that you can police .....too wide, too weak, too slow, too fast, what's your call dammit, wrong VFO, rotten fist, QRQ, QRS, poor pileup control, wrong band, wrong QSL route, you timed out the repeater, wrong lingo, not enough green stamps, you're in the DX window, no-coders not allowed, coders suck, ... these and many other sins are all your to root out and expose!!!

When you find these wayward ones, you will lumber onto their frequency, stand up in your operating chair and shout, I AM A BETTER HAM THAN YOU, SHUT UP AND LISTEN. You will now have the wayward one's undivided attention. He will thinkabout this very briefly, then yield to your superior intellect and ham skill. He will be very receptive to your thoughts and point of view.

Lecture him and proceed to the next wrong doer.

Now for the sad part of this tale. There are pretenders and charlatans out there who try to usurp the rightful powers of The Chosen. To you villainous few, I say beware. The Wise Ones also created BAWA (Baddest Ass Whats Around). No matter how bad you are,

BAWA has the ability to be badder. You will know when you start your lecture and Bawa yells back, "You're a jerk, but I'm a bigger one. LET'S ESCALATE".

And you will have no choice.

But soon BAWA will tire of you and sink your little balsa boat. As you slip under the surface you will yell, "BUT I WAS RIGHT, DAMMIT" and you will once again prove the ancient mariners axiom -- AN OPEN MOUTH TAKES ON WATER.

dit dit

73, de Hans, KØHB
"Just a Boy and his Radio"™

Editor:
Hans K0HB is known to "tell it like it is" and is a regular participant in many contests and the CWT's, sponsored by CWops. https://cwops.org/cwops-tests/

Here's the handsome Gold Medallion that W1QK earned for his participation (almost perfect attendance) in the 2022 CWT's:

It arrived in the mail last week. Don't forget that the K1USN Radio Club also sponsors their Slow Speed Contests, which they call SST.
http://www.k1usn.com/sst.html

N1MM Logger Plus 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/

N1MM Logger Plus CW speed increment on up/down keys

From: Jack Schuster
Date: Sun, 25 Jun 2023 20:00:30 EDT

Does anyone remember how to change it to increment by 1 wpm? Tnx JACK

Re: N1mm CW speed increment on up/down keys

From: Dave K1VUT (1878)
Date: Sun, 25 Jun 2023 20:07:47 EDT
Hello Jack,

Go to CONFIG in the top menu, choose OTHER, change the value in PRIMARY CW SPEED STEP.

73,
Dave K1VUT

6a.
TNX re speed increment setting
From: Jack Schuster
Date: Sun, 25 Jun 2023 20:17:14 EDT

Tnx K1VUT for the quick reply. I knew I could get an answer here quicker than from the user group. JACK

mmWave Sensors

Introduction, Integration, and Implementation

Image Source: *AndSus/Stock.adobe.com*

By Tenner Lee for Mouser Electronics

Published May 22, 2023

Millimeter wave (mmWave) sensors use a specific frequency band within the electromagnetic spectrum: between the frequencies of 30GHz and 300GHz, or between the corresponding wavelengths of 10mm and 1mm. The wavelengths in which these sensors operate give rise to their name and the nomenclature used to reference them. Due to their operating frequencies, mmWave sensors are sometimes synonymous with radio detection and ranging (radar).

The use of mmWave sensors in devices has increased rapidly in the past few years due to the development of autonomous vehicles, Internet of Things (IoT), smart buildings, and industrial automation, which often incorporate the technology in object detection and ranging systems. Because of this increased use, the cost of mmWave sensors has dropped, fueling further development and adoption. Considering their performance, mmWave sensors are versatile and cost-effective, and they play a key role in multiple technology trends.

To leverage mmWave sensors fully, engineers need a deep understanding of the application being designed and the relative benefits and drawbacks of mmWave sensors. A properly operated, well-designed device in a well-understood environment allows for scalable, low-cost, and effective systems.

The following overview will aid in the understanding of how mmWave sensors work and how to develop them for various applications.

Overview

In almost all cases, mmWave sensors operate as active sensors and thus transmit energy to sense the surrounding

environment. Because of their extremely high frequency (EHF) range, mmWave sensors offer multiple benefits, including smaller component sizes, higher resolution, and better accuracy. However, the higher frequencies also create drawbacks such as higher cost, higher attenuation in weather, and higher scattering. **Table 1** presents some of the most common benefits and drawbacks of mmWave sensors.

***Table 1**: Benefits and drawbacks of mmWave sensors versus lower-frequency sensors. (Source: Author)*

mmWave Benefits	mmWave Drawbacks
□□□□□□□□Increased bandwidth	□□□□□□□□Higher cost
□□□□□□□□Higher resolution	□□□□□□□□Higher degradation in weather
□□□□□□□□Higher accuracy	□□□□□□□□Higher atmospheric attenuation
□□□□□□□□Smaller weight and size	

Optical time-of-flight (ToF) sensors—and more specifically light detection and ranging (lidar) sensors—are often compared with mmWave sensors and have also seen an incredible rise in use. These comparisons are important in determining which type of sensor to use because of the overlap in functionality and general use cases. For example, a mmWave sensor may make more sense than lidar for foreign object debris (FOD) detection at sufficient ranges; lidar point clouds may miss small, thin objects due to the relative spacing between lidar points. **Table 2** presents the advantages of mmWave sensors versus the advantages of lidar.

***Table 2**: Benefits of both mmWave sensors and lidar. (Source: Author)*

mmWave Pros	Lidar Pros
□□□□□□□□Greater range	□□□□□□□□Higher angular resolution and accuracy
□□□□□□□□Lower cost	□□□□□□□□Higher spatial resolution and accuracy
□□□□□□□□Higher reliability	□□□□□□□□Instantaneous velocity estimates [coherent lidar] and use of microelectromechanical systems for steering (at a considerable cost)
□□□□□□□□Better performance in adverse weather	
□□□□□□□□Instantaneous velocity measurements	
□□□□□□□□Electronically steerable	

Components

mmWave sensors are made up of three major subcomponents: An antenna or radiating element, a transmitter, and a receiver. Each of these subcomponents can be divided further depending on the design goals. All three subcomponents are equally critical and require considerable expertise to design and integrate into a working application.

The antenna array is the radiating element that provides angular resolution. The antenna array also allows the sensor to perform beam steering, null sources of interference, and improve the beam pattern of the sensor. A downside to an antenna array is the large footprint that must be dedicated to the sensor as more antennas are added.

The transmitter and receiver of a mmWave sensor dictate the waveform of the sensor and how well the sensor can process returns from the antenna. Range resolution for radar, for example, is tied directly to the transmitter and receiver through the waveform bandwidth. Transmitter and receiver design (**Figure 1**) is critical to addressing in-phase and quadrature imbalance, with proper design helping to overcome mmWave sensor performance limits.

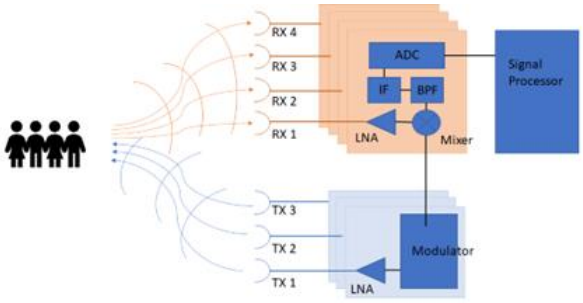

Figure 1: *Schematic representing the complicated design and integration of subcomponents in a mmWave sensor. (Source: Author)*

The radar range equation offers a succinct way to describe how these three subcomponents work together and affect mmWave sensor (radar) performance. Assuming that the mmWave sensor is designed well and ambiguities are handled properly, the relative maximum detection range is

λσπ�=4�������λ2σ�(4π)3������

Where P_t is transmit power, G_P is process gain, G_t is transmit gain, G_R is receive

gain, P_R is receive power, σ is the target RCS, L is other losses in the system, k_B is Boltzmann's constant, T_s is the system noise temperature, and B_n is the noise bandwidth.

Key Parameters

When discussing mmWave sensors, several key parameters need to be considered. **Table 3** presents a basic list of these parameters:

***Table 3**: Key mmWave sensor parameters. (Source: Author)*

mmWave Parameters	Description
Bandwidth	Difference between the highest and lowest cutoff frequency c the receiver
Gain	Specified as antenna gain, transmit gain, and receive gai
Isolation	Transmitter and receiver isolation
PSLL	Peak side lobe level; side lob level to the main beam
Noise Figure	Noise caused by transceiver chain for a given bandwidth
PRF	Pulse repetition frequency
HPBW	Antenna half-power beam width of main lobe
IF Bandwidth	Intermediate frequency bandwidth
ADC	Analog digital converter; resolution and sampling rate are critical

In most cases, only a transceiver (i.e., transmitter and receiver) will be provided, omitting the antenna. Unless the mmWave sensor has an integrated antenna array, the design of the antenna is excluded and will need to be designed and integrated later. Generally, this may be the better option as it allows engineers to specify design parameters and tailor the mmWave sensor to the specific application rather than being confined to a set of performance values that may not be applicable.

Measurement and Tracking

With the radar range equation in hand, the following steps offer a very brief overview of how mmWave sensors detect objects:

1. The transmitter sends a signal, usually a linear frequency-modulated signal.
2. The receiver receives the reflected signal, which is mixed with the transmitted signal.
3. The signal passes through a bandpass filter to remove artifacts.
4. The ADC samples the signal.
5. Pulse compression occurs.
6. Range processing occurs.
7. Doppler processing occurs.
8. Angle processing occurs.

9. Detections are formed (e.g., through constant false alarm rate detection).
10. Tracks are formed and objects are identified (e.g., through m-of-n detection, constant-acceleration Kalman filter) (**Figure 2**).

Figure 2: *This schematic displays the signal processing chain for mmWave sensors. Steps show high-level processes and order in which objects are detected and tracked. (Source: Author)*

During the process of forming detections, the range resolution, range accuracy, doppler resolution, doppler accuracy, and angle estimation accuracy are all key metrics (**Table 4**).

Table 4*: mmWave sensor basic equations. (Source: Author)*

Name	Equation
Range resolution	$\Delta R = \frac{c}{2B}$
Range extent	$R = \frac{cF}{2\mu}$
Unambiguous range	$R = \frac{c}{2F}$
Doppler resolution	$\Delta v = \frac{\lambda}{2MT}$
Angular resolution	$\theta \propto \frac{\lambda}{D}$

B = bandwidth

F = pulse repetition frequency

M = fast time samples

N = slow time samples

D = antenna aperture diameter

Integration and Implementation

Size, Weight, Power, and Cost

mmWave sensor size and weight should be considered when comparing with other sensors. In terms of size, the antenna is the limiting factor in most cases, as the array may be quite large to meet gain, side lobe, or angular resolution requirements for high-performance applications. The size of mmWave sensors is unlikely to change in the future because several components are tied strictly to the associated wavelengths.

The power consumption of mmWave sensors varies depending on the application. For

automotive applications, mmWave sensors are tightly regulated to a maximum equivalent isotropic radiated power (55dBm) by the U.S. Federal Communications Commission. In other applications that require high power, mmWave sensors can scale to meet those demands. As noted in the radar range equation, higher power generally means higher performance. As power consumption (i.e., transmit power) increases, the cost, size, and weight will increase as well.

As noted, the cost of mmWave sensors has decreased substantially in the past few years. mmWave sensors may be more cost-effective than alternative sensors for a given application, but the choice of sensor depends on the desired output from the sensor.

Noise and Artifacts

Sources of noise or artifacts that degrade the performance of mmWave sensors include typical culprits such as thermal noise and phase noise. Thermal noise is the dominant contributing factor in the noise figure of the sensor. Phase noise, on the other hand, occurs in mmWave sensors due to imperfect oscillators or noise on the clock used to generate the transmitted wave. Phase noise contributes to sidebands or a general degradation in the response of the sensor. If the phase noise is bad enough, targets can be masked by the elevated sidebands and degrade the side lobe level of the sensor.

Even with a well-designed mmWave sensor, engineers must consider and mitigate other sources of noise or artifacts, such as clutter, multipath, or interference caused by other mmWave sensors.

Signal Processing Integration

Integration and design of mmWave sensors into any application require special attention. The amount of data at the output of the mmWave sensor—the data cube—may be extremely large, depending on the ADC samples and IF bandwidth. To handle and process the data appropriately, engineers must design a proper signal processing chain. Suppressing artifacts (e.g., clutter, interference) and optimizing tracking performance are prerequisites; thus, a proper compute resource is needed as part of the integration. This compute source could include a field-programmable gate array (FPGA). Graphics processing unit (GPU) radar processing could become an alternative compute source if the signal processing timing meets latency requirements. (GPUs

might present significant barriers in tracking applications as compared to FPGAs due to latency and how the digital signal processing chain can be parallelized.)

Communication with a mmWave sensor is generally achieved through a microcontroller that offers SPI, I2C, debug UARTs, and other interfaces. An integrated DSP module is responsible for front-end configuration, control, and calibration. In general, proper integration of waveform design and waveform control into the mmWave sensor is needed. Timing considerations and how waveforms are used in certain cases must be carefully planned out. Modes of operation will need to be defined through the DSP module and the microcontroller in order to influence how the sensor performs.

Mechanical Integration

During mechanical integration of mmWave sensors, engineers should pay attention to any clutter in front of the antenna face as well as proper orientation to the sensor's frame of reference. Improper orientation degrades performance, introduces unneeded artifacts, and can introduce multipath and false tracks. Extrinsic and intrinsic calibration removes and suppresses artifacts that may appear in the sensor.

Applications

Functionally, mmWave sensors are tied to three broad categories of operation: object detection, characterization, and tracking. Applications of mmWave sensors are found in industrial, robotics, automotive, and other settings.

Industrial Use Cases

mmWave sensors play an important role across a variety of industrial tasks, such as characterizing objects for defects, assuring quality, and tracking inventory in a production line. Importantly, mmWave sensors can penetrate thin materials and characterize materials by the relative reflection within the frequency range of operation. In the industrial vertical, trust in the reliability and performance of mmWave sensors is critical; performing tasks such as FOD detection with low reliability can have detrimental effects.

Robotics/Automotive Use Cases

In the automotive setting, mmWave sensors have become critical in vehicle autonomy up to Level 4. Use cases of mmWave sensors in

the automotive industry include object detection, tracking, and characterization. mmWave sensors are crucial in the autonomous automotive sector due to their performance robustness in different types of weather, their ability to scale based on the application, and the reliability of the sensors themselves.

Special Use Cases

Many reading this will have encountered mmWave sensors in airport scanners, which play a critical role across the world. Through the use of mmWave sensors in airports, security teams can identify objects obscured by clothing, preventing invasive pat-down processes. mmWave scanners also provide an alternative to backscatter X-ray systems.

The use of mmWave sensors can also be extended to human tracking and detection, enabling systems to detect heartbeats and track people behind obstructions.

Conclusion

mmWave sensors are derived from a mature and rich technical foundation; a well-designed device in a well-understood environment allows for scalable, low-cost, and effective systems. This brief introductory article presents mmWave sensors and some of the considerations needed to integrate them.

About the Author

Project and program technical lead for Machine Learning/Artificial Intelligence research and development. 15 years of experience leading, developing, managing projects, and advising/consulting on algorithm development/design, system optimization, and algorithm testing/validation. Graduate degree in electrical engineering with foundation in signal processing and EM.

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 pix of your station, antennas, mobile installation, etc. and send it to w1qk@snet.net Your Capers editor welcomes and encourages member input.

CARA 2023 ARRL Field Day

Photos contributed by:

W1JMA, W1QH, W1JGM, WA1JGA, KB1ZAC, W1QK


UCLA
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W1QI Candlewood ARA - 2023 ARRL Field Day
Ball Pond Volunteer Fire Dept., New Fairfield, CT
Public Location - Bonus point evidence


W1QI Candlewood ARA - 2023 ARRL Field Day
Public Information - Welcome Canopy
WHEN ALL ELSE FAILS...
UCLA
FIELD DAY

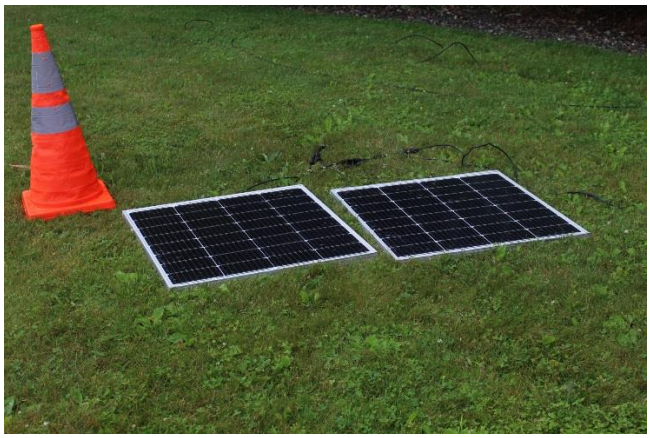

AMERICAN TRIBUTE

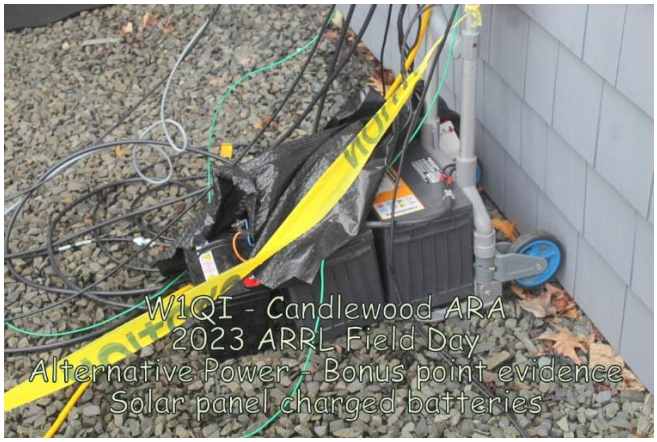

GROWN
EXCLUSIVELY
FOR...


simple green


W1QI Candlewood ARA - 2023 ARRL Field Day
Solar panels for battery charging
Alternative Power Bonus point evidence


CAUTION




W1QI - Candlewood ARA
2023 ARRL Field Day
Alternative Power - Bonus point evidence
Solar panel charged batteries


Ball Pond Vol. Fire Co.
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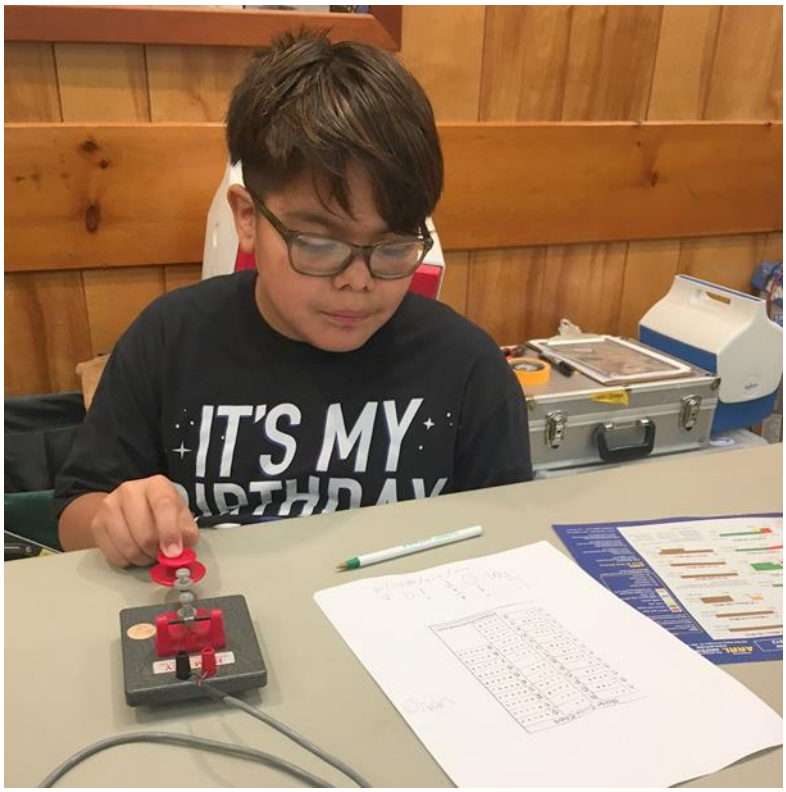

IT'S MY


W1QI Candlewood ARA - 2023 ARRL Field Day
Educational Activity Bonus- Morse Code key basics
W1QK
KE2BJG
Future ham

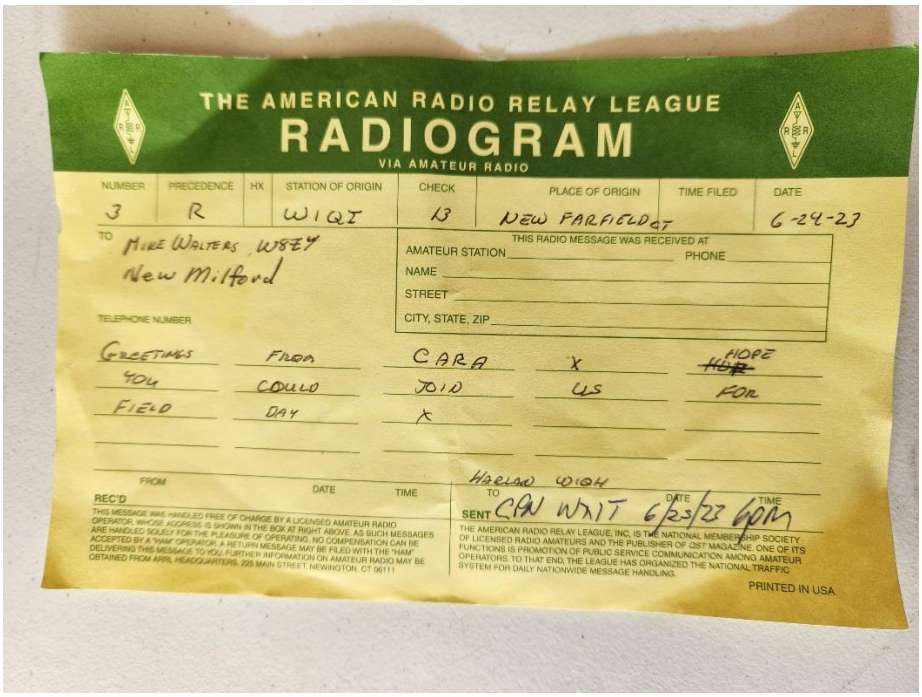

W1QK
DELL


DUNKIN'


HEIL


W1QI
CARA
AMERICAN TRIBUTE
EXIT


Candlewood ARA
ARRL 2023 Field Day
Candlewood Amateur Radio Association
W1QI
CARA
Est. 1946
www.cararadioclub.org
K1XFC
Visit by ARRL CT Section
Emergency Coordinator, SEC
Philip Crombie - K1XFC



THE AMERICAN RADIO RELAY LEAGUE

RADIOGRAM

VIA AMATEUR RADIO

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
3	R		WIQI	13	NEW FAIRFIELD CT		6-24-23

TO MIKE WALTERS W8EY
New Milford

TELEPHONE NUMBER

THIS RADIO MESSAGE WAS RECEIVED AT
AMATEUR STATION _____ PHONE _____
NAME _____
STREET _____
CITY, STATE, ZIP _____

GREETINGS	FROM	CARA	X	~~HOPE~~ HOPE
YOU	COULD	JOIN	US	FOR
FIELD	DAY	X		

FROM _____ REC'D DATE _____ TIME _____

THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU. FURTHER INFORMATION ON AMATEUR RADIO MAY BE OBTAINED FROM ARRL HEADQUARTERS, 225 MAIN STREET, NEWINGTON, CT 06111

TO HARLAN WIGH
SENT CAN WAIT 6/25/23 60M DATE _____ TIME _____

THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE NATIONAL MEMBERSHIP SOCIETY OF LICENSED RADIO AMATEURS AND THE PUBLISHER OF QST MAGAZINE. ONE OF ITS FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATION AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY NATIONWIDE MESSAGE HANDLING.

PRINTED IN USA

Public Demonstration of Emergency Communications, Ball Pond Vol. Fire Co. 7 Fairfield Dr, this Weekend

Interested in Amateur Radio? Come visit the Candlewood Amateur Radio Association (CARA) this weekend, June 24-25 at the Ball Pond Vol. Fire Co., in New Fairfield.

The Last full weekend of June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Amateur Radio Field Day has been an annual event since 1933, and remains the most popular event in amateur radio.

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. On the fourth weekend of June of each year, thousands of radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations. Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, *fun*! It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that we might serve in an emergency, as well as the general public.

Field Day is the single most popular on-the-air event held annually in the US and Canada for amateur radio.

The contest part is simply to contact as many other stations as possible, the stations can be across town or anywhere in the world. We learn and practice operating our radio gear in abnormal situations and less than optimal conditions. We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walka-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities. But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called "hams") are well known for our communications support in real disaster and post-disaster situations.

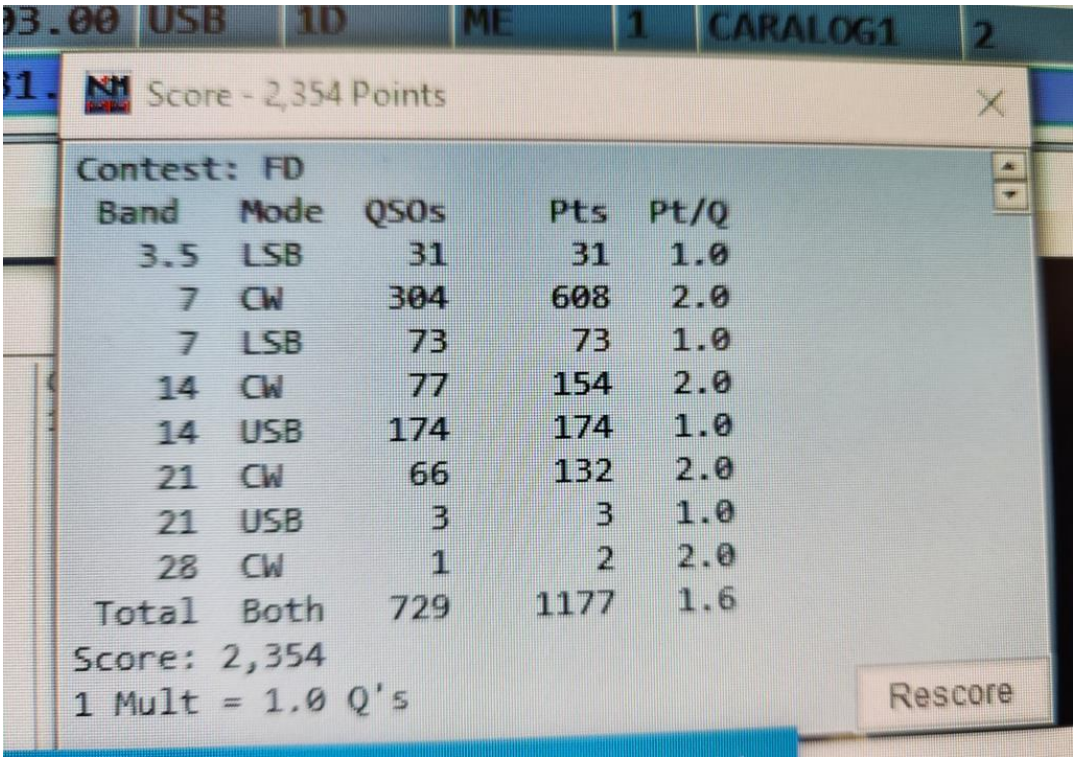
We will be available to demonstrate our skills and equipment Sat., June 24, 2-6pm and from 10-2 on Sunday. No appointment needed; all are welcomed.

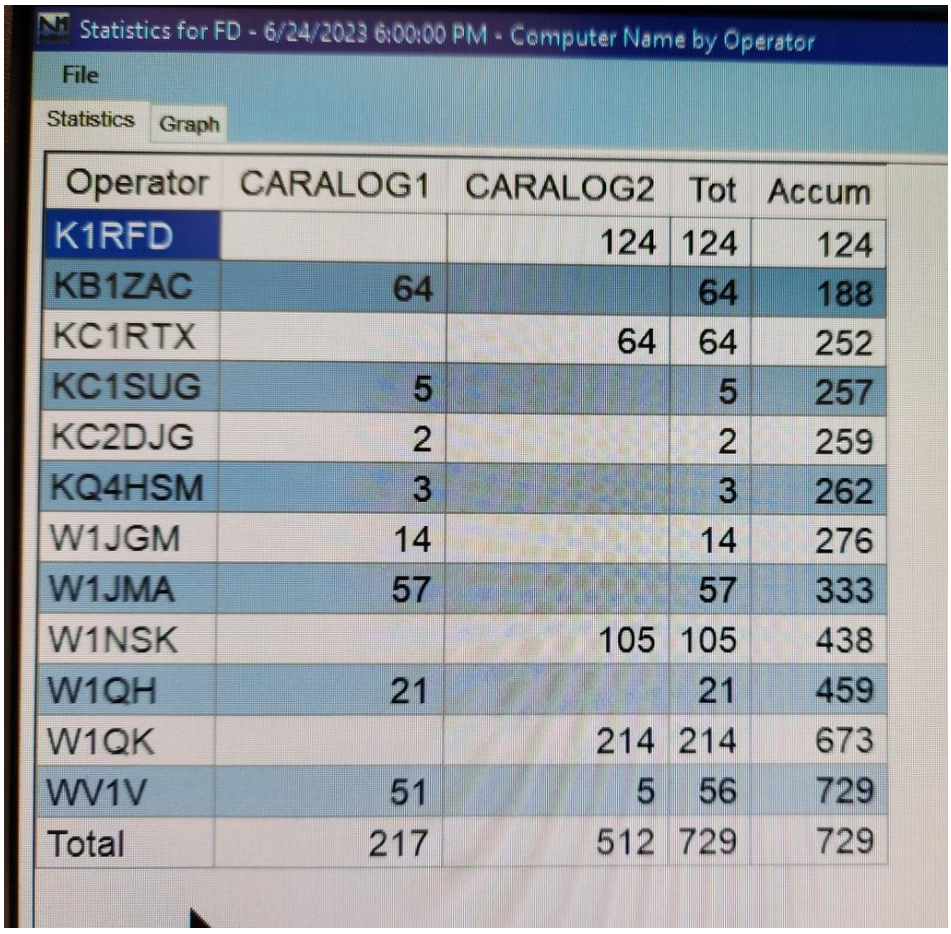
The Candlewood Amateur Radio Association is the Greater Danbury area's general interest amateur radio club. We focus on advancing technical knowledge, operating skills, fraternalism, and public service.

In-person meetings are held on the second Friday of the month at the Stony Hill Vol. Fire Dept., 59 Stony Hill Road, (Rte. 6), Bethel, CT

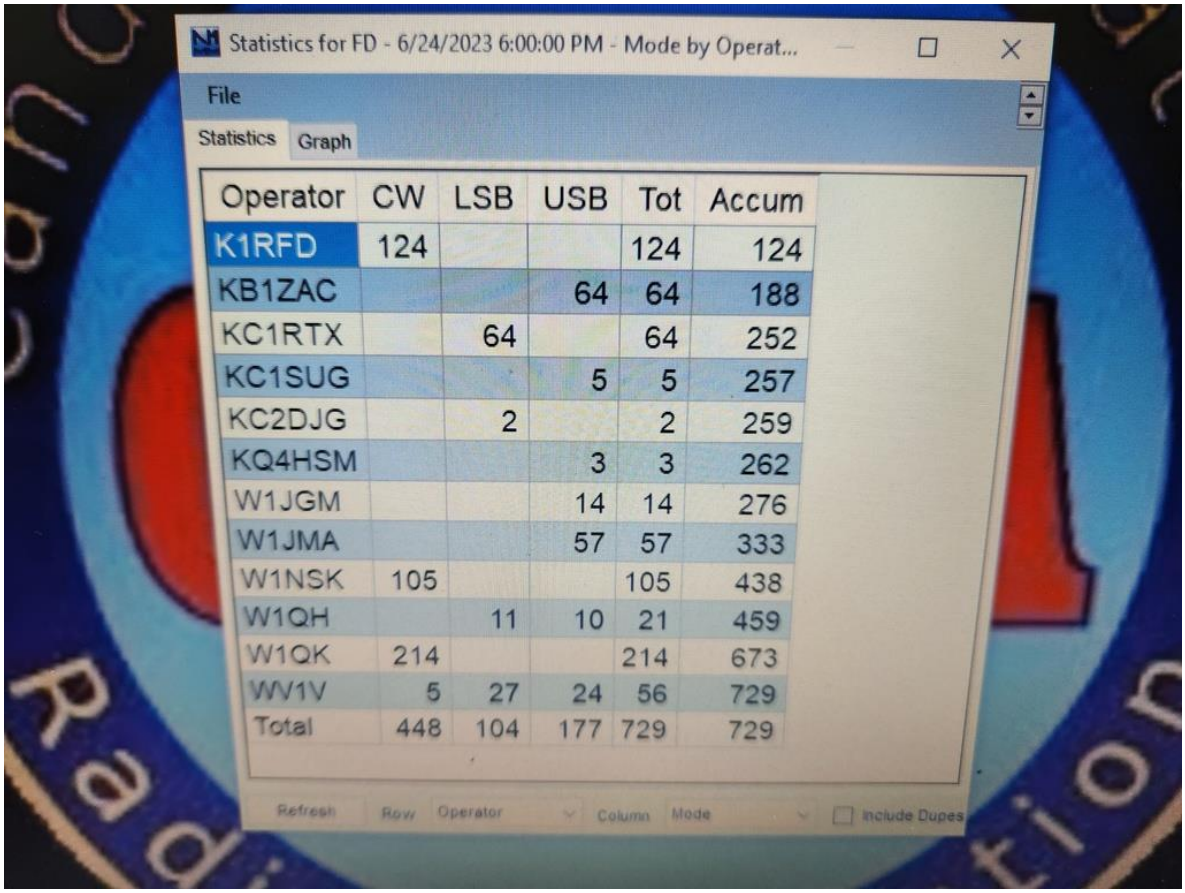
"When All Else Fails, Ham Radio Works"

Special Service Records to be Destroyed

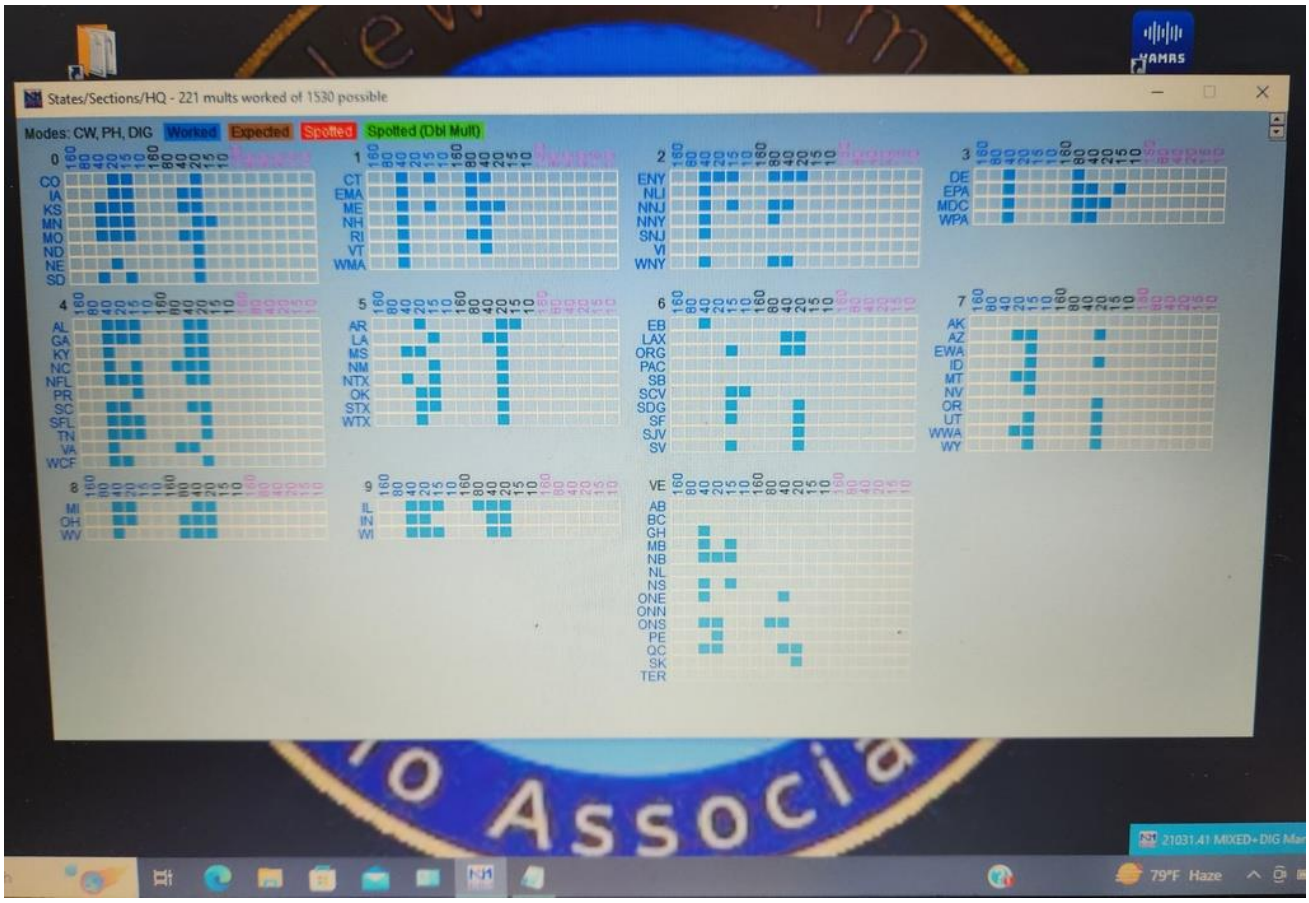




Operator	CARALOG1	CARALOG2	Tot	Accum
K1RFD		124	124	124
KB1ZAC	64		64	188
KC1RTX		64	64	252
KC1SUG	5		5	257
KC2DJG	2		2	259
KQ4HSM	3		3	262
W1JGM	14		14	276
W1JMA	57		57	333
W1NSK		105	105	438
W1QH	21		21	459
W1QK		214	214	673
WV1V	51	5	56	729
Total	217	512	729	729



Operator	CW	LSB	USB	Tot	Accum
K1RFD	124			124	124
KB1ZAC			64	64	188
KC1RTX		64		64	252
KC1SUG			5	5	257
KC2DJG		2		2	259
KQ4HSM			3	3	262
W1JGM			14	14	276
W1JMA			57	57	333
W1NSK	105			105	438
W1QH		11	10	21	459
W1QK	214			214	673
WV1V	5	27	24	56	729
Total	448	104	177	729	729


States/Sections/HQ - 221 mults worked of 1530 possible
Modes: CW, PH, DIG
Worked
Expected
Spotted
Spotted (Dbl Mult)
CO IA KS MN MO ND NE SD
CT EMA ME NH RI VT WMA
ENY NLI NNJ NNY SNJ VI WNY
DE EPA MDC WPA
AL GA KY NC NFL PR SC SFL TN VA WCF
AR LA MS NM NTX OK STX WTX
EB LAX ORG PAC SB SCV SDG SF SJV SV
AK AZ EWA ID MT NV OR UT WWA WY
MI OH WV
IL IN WI
VE
AB BC GH MB NB NL NS ONE ONN ONS PE QC SK TER
79°F Haze


EXIT

CARA 2023 ARRL Field Day Event Summary

de W1JMA & W1QK

It's appropriate to identify those who assisted/contributed with FD to acknowledge their time and efforts. It serves as a useful reference. We propose discussing, then implementing improvements concerning this major CARA event as an on-going process.

Permission to use Ball Pond Volunteer Fire Dept. premises: and coordination on behalf of CARA: John - W1JGM

Presentation and explanation of FD planning document created by W1QK at May, CARA meeting: John - W1JMA

Antenna installation session organization and collaboration: John - W1JMA, Dan - W1QK

Site preparation: Brush Be Gone application at base of trees where antenna ropes will be tied and active nearby Poison Ivy growth:2 weeks and 1 week before antenna installation: W1JMA. Upper field mowed at least one week prior to antenna installation work party: W1JGM

Antenna installation including coax feedline cable connector replacement: and checking with antenna analyzer: Dan - KE2BJG, Suzie - KC1QVE, David - KB1ZAC, Jonathan - K1RFD, John - W1GJM, John - W1JMA, Paulo - KC1RTX, Dan - W1QK

Meeting at Bethel EOC to pick up, transport, then return antenna/feedline/rope bins and CARA banners: David - KB1ZAC, John - W1JMA

Preparing CARA laptop computers including setup of N1MM Logger software: Harlan - W1QH, John - W1JMA, Dan - W1QK

Setting up station equipment at BPVFD: Harlan - W1QH, John - W1JMA, John - W1JGM

Event scheduling including set-up, operating shifts, and clean-up teams via Sign-Up Genius: David - KB1ZAC

Posting of CARA FD site on ARRL FD Locator website: John - W1JGM

Set up and staffing FD Public Information table//canopy: Oscar - KO1F

Creating and submitting FD publicity to New Fairfield Tribune local newspaper for FD bonus points: John - W1JGM

Preparation of formal traffic (messages) and passing them during FD for bonus points: Harlan - W1QH, John - W1JMA

Setting up solar panels and batteries used to enable claiming Alternative Power source bonus points for radios: John - W1JGM

Preparation and posting to Social Media for bonus points: David - KB1ZAC

Impromptu Educational Activity (CW straight key adjustments) to enable claiming bonus points : Dan - W1QK

FD Safety Officer: Ken - KQ4HSM

Ordering and distribution of 20 ARRL 2023 FD pins to CARA participants (CARA supplied): John - W1JMA

Antenna disassembly: Paulo - KC1RTX, Dan - KE2BJG, John - W1JMA, Jonathan - K1RFD, Dan - W1QK, David - KB1ZAC, David - WA1JGA., Victor - WV1V.

Station equipment disassembly: Harlan - W1QH, John - W1JGM, John - W1JMA
Processing the N1MM Logger FD log, gathering bonus point evidence, preparation of FD summary, submitting CARA FD entry via ARRL web app: Harlan - W1QH, Dan - W1QK

CARA Field Day operators: Johnathan - K1RFD, David - KB1ZAC, Suzie - KC1QVE, John - W1JMA, John - W1JGM, Dan - KE2BJG, Ken - KQ4HSM, Tina - KC1SUG, Dave - WA1JGA, Harlan - W1QH, Bud - W1NSK, Victor - WV1V, Dan - W1QK

Organization/Set up of FD food table: David - KB1ZAC, Susie - KC1QVE, Victor - WV1V, Dan - KE2BJG

Visitors:

Phil Crombie - K1XFC, South Windsor, CT CT ARRL Section Emergency Coordinator, Ball Pond Volunteer Fire Dept. Chief

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Submitted to CARA Reflector by George – N1GS:

[CARA Members] Sussex Hamfest in 6 Days Sunday July 16, 2023

6 Days to go ! Sussex Hamfest Sunday July 16, 2023

"Rain or Shine since 79"

Sussex County Fair Grounds 37 Plains Road Augusta, NJ 07822

(GPS: Lat/Long N41-08-10.2 / W74 43 01.9 Decimal 41.136200 / -74.717233 **)**

VE Session at 10 AM in Fair Grounds Administration Building Walk ins Allowed

Vendors 6 AM Buyers 8 AM

Fees: Buyers $8 Tailgaters $25 (Includes 1 admission) Indoor Tables $25 (Includes 1 Admission

Overnight parking (Fees charged by Fair Grounds): RV type vehicles $50. Other Vehicles, tents, etc. $20

For further information –

Email: Hamfest@scarcnj.org Hamfest telephone: 973-862-8124 (new number)

CARA POTA Guidelines

Purpose: To set forth operating guidelines for CARA sanctioned POTA events.

- Those members who plan on bringing their stations shall sign up so the POTA coordinator can set up the operating schedule
- Those members who plan on participating w/o equipment will sign up as an operator
- Multiple stations will coordinate operating conditions and band plan
    - Each station will use the CARA filters for the band assigned
    - Each station shall determine their respective operating mode
    - Stations shall change operating bands each hour, example:
        - First hour of operation: station 1 on 40m; station 2 on 20m; station 3 on 15m; etc.
        - Second hour of operation: station 1 on 15m; station 2 on 40m; station 3 on 20m; etc.
        - Third hour of operation: station 1 on 20m; station 2 on 15m; station 3 on 40m; etc.
        - Repeat
- Use this activation as a means for new or inexperienced hams to get on the air!
- Have fun!!

Approved Friday 8/12/22

Local Repeater Reference – Compiled and submitted by W1JMA

Town	State	Freq	PL	Call	Other
Danbury	CT	147.300	100	W1QI	FM
Danbury	CT	147.120	100	W1HDN	FM
Carmel	NY	145.130	136.5	K2PUT	FM
Bethel	CT	147.030	100	KA1KD	FM
New Canaan	CT	146.775	100	N1LLL	FM
New Milford	CT	146.730	151.4	NA1RA	FM
Norwalk	CT	146.475	100	W1NLK	FM
Danbury	CT	447.775	151.4	W1QI	FM
Danbury	CT	443.650	114.8	W1HDN	FM

Source:
Repeaterbook.com