

# Key Klix September 2025

*The Monthly Q-S-T de the*

**MERIDEN AMATEUR RADIO CLUB & WALLINGFORD AMATEUR RADIO GROUP**

*"It's the Radio News that's fun to use"*



## **YOU GOTTA START 'EM YOUNG...**

Constantino, KA1BMF, and his son, who is all eyes, at their POTA activation of US-1728 Wharton Brook on August 3rd. See page 18 for details!

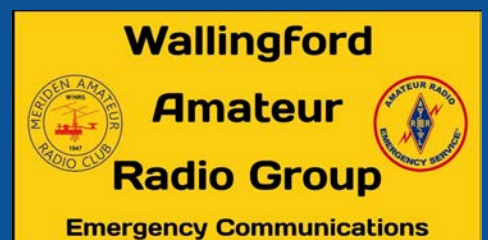
## **INSIDE THIS BACK-TO-SCHOOL ISSUE:**

The President's Post	02
Business Meeting Minutes	04
<i><b>The W1NRG Newsline</b></i>	
10-10 Summer Results	08
MARC at HamX 2025	09
Jim Drexler Initiates a New Park	10
VarAC (& pizza!) with Bill Huggins, NR1B	11
Dave & Ted's Excellent POTA Adventure	16
<i><b>The More You Know...</b></i>	
Let's Talk Contesting, by Al N1API	12
<i><b>Opinion</b></i>	
AST on 70 cm is a Wicked Bad Idea	27
<i><b>Regular Features</b></i>	
At the Clubhouse with KC1DOY	15
Radio-Active Members	18
On Air Events & Opportunities	23
Key Klix Klassifieds	25
Editorial Page	27
Membership Roster	29



## **Your 2025 Club Officers are:**

<b>President</b>	<b>KC1QLS</b>	<b>Ray Cirmo</b>
<b>Vice President</b>	<b>NZ1J</b>	<b>Dave Tipping</b>
<b>Treasurer</b>	<b>KC1OYN</b>	<b>Rick Becker</b>
<b>SAM</b>	<b>K1RCT</b>	<b>Rob Cichon</b>
<b>Secretary</b>	<b>AB1DQ</b>	<b>Jimmy Surprenant</b>





# THE PRESIDENT'S POST

*by Ray, KC1QLS*

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Talk about grounding in a group of hams, and you're likely to hear many different opinions and methods. It's a topic often shrouded in confusion, yet it's fundamental to both the safety and performance of our stations. There are two critical reasons to ground: electrical safety and RF performance.

## **Electrical Safety:**

Modern equipment usually has a metal chassis connected to the ground pin on the AC plug. If an internal fault causes a live wire to touch the chassis, this ground connection provides a path for current to flow, tripping a breaker or blowing a fuse, rather than potentially shocking the operator.

While no system can guarantee 100% protection against a direct lightning strike, a proper ground system provides a low-impedance path for lightning energy (from a nearby strike or one hitting the antenna) to flow safely to earth. This dramatically reduces the risk of equipment damage, fire, and injury.

AC Ground is the third wire in your home's AC wiring system. It connects to the ground pin on your outlets and runs back to your main electrical panel. There, it's bonded (connected) to the neutral wire and connected to your home's primary grounding electrode (usually one or more ground rods driven into the earth, sometimes supplemented by metallic water pipes). Its primary purpose is fault protection and tripping breakers. While essential for safety, the long wire path back to the panel makes it less effective as an RF ground due to inductance at radio frequencies.

## **RF Performance:**

A good ground system helps your station work better. It provides a common, stable reference point (ideally zero volts RF) for all your equipment.

Many antenna designs, especially vertical antennas, require an effective ground plane or radial system to operate efficiently. The station ground can sometimes form part of this system.

Stray RF flowing on equipment chassis or cables can cause issues like distorted audio, microphones picking up RF, equipment malfunctions, and even RF burns. A good ground helps dissipate this unwanted RF. It can help reduce susceptibility

to picking up local noise (RFI) and potentially lessen interference caused by your station.

The RF Ground system is specifically designed to provide a low-impedance path to earth at radio frequencies. It aims to keep all equipment in your shack at the same RF potential and dissipate unwanted RF energy. Ideally, this involves short, direct connections from your equipment to a dedicated grounding point, which is then connected via a heavy conductor to an external earth electrode system located close to the station.

Implementing a proper grounding system takes planning and effort but pays dividends in safety and performance. It protects you and your equipment from electrical hazards and lightning, while also helping your signal get out cleanly and reducing frustrating RF issues in the shack. Information regarding grounding and bonding can be found on the ARRL website. And of course, the club has many members who are happy to help 'Elmer' in this area; all you need to do is ask.

All of the officers are here to serve as caretakers of the club. When you see one of the club officers, make it a point to reach out and give them your comments and ideas to help focus the direction of the club. Every member has an equal say/vote in what you want the club to be.

**As I like to say, this hobby is all about fun, education, camaraderie and public service. This is what it should be - after all, it is a hobby.**

## SCOUTS NEED YOU



Fellow MARC members are helping scouts learn about Radio during Camp Sikorsky on September 20th and they will be getting on the air on HF and through area repeaters (primarily the KB1AEV linked repeater via the Bridgeport node). Expect periodic traffic between 10 am and 3pm. HF is planned to be primarily 20M SSB voice, there will also be periodic VARAC as well. Frequencies will be posted to the club discord and groups.io.

For more information contact  
David Henry, KC1PEN  
KC1PEN@arrl.net

## MARC VE Sessions

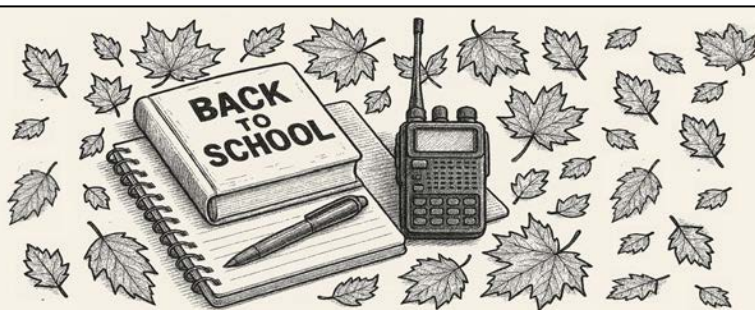
MARC hosts a VE License Exam Session on the second Saturday of each month at 9:00 AM at the OEM at 143 Hope Hill Road, in Wallingford.

Exams are now paperless and require obtaining a PIN from [www.hamstudy.org/](http://www.hamstudy.org/) before the test date.

For more info, contact Jim at [N1ZN@arrl.net](mailto:N1ZN@arrl.net)



**ARRL  
VEC**



# Minutes of the August Business Meeting

The following minutes of the August 14, 2025, MARC Business Meeting will be moved for approval at the September 11 meeting.

2025.08.14 MARC BUSINESS MEETING MINUTES

7:00 - 7:49 PM EDT via Zoom

Submitted by AB1DQ, Jimmy Surprenant, MARC Secretary

## Quorum

Club secretary AB1DQ Jimmy confirmed a quorum:

- Membership per August 2025 Roster: 204
- Minimum for Quorum: 20 = 18 members + 2 Officers
- In attendance: 27 = 22 members + 5 Officers

## In Attendance:

**Officers:** KC1QLS, Ray Cirno [President]; NZ1J, Dave Tipping [Vice President]; KC1OYN, Rick Becker [Treasurer]; K1RCT, Rob Cichon [Station Activity Manager]; AB1DQ, Jimmy Surprenant [Secretary]

**Members:** K1LHO, Mike Ash; K1LYP, John Yusza; KB1JL, Eric Olsson; KC1DOY, Ted Renzoni; KC1KQH, John Kasinkas; KC1TSM, Ellen Cosgrove; KC1TSX, Michael J Barile; KC1WFB, Lloyd Saberski; KD2TLD, Patrick Lacombe; KC2MLH, Adam Castracane; KE1AU, Bob Kaczor; N1API, Al Kaiser; N1BRL, Bart Toftness; N1GNV, John Bee; N1LES, Joe Murray; N1ZN, Jim Savage; NA1L, Dale Clift; NR1B, Bill Huggins; W1BRY, Don Chepurna; W1EDX, Paul J Stasieluk; W1HLP, Scott Martin; WB1GFI, Stan Hiriak

**Call to Order:** The meeting was called to order at 7:00 p.m. EDT by Club President KC1QLS, Ray.

## Approval of the Minutes

**MOTION:** Jimmy, AB1DQ, moved that the July business meeting minutes previously emailed to the club membership be approved.

**SECONDED**      **DISCUSSION:** None      **VOTED:** Approved.

## Secretary's Report, by AB1DQ Jimmy

**MOTION:** Jimmy, AB1DQ, moved that the following applicants for club membership be approved:

<u>Call</u>	<u>Name</u>	<u>License Class</u>	<u>Home QTH</u>
KC1WNJ	Joe Capuano	Technician	Prospect, CT
N2YCH	Conrad Trautmann	Amateur Extra	Trumbull, CT

**SECONDED**      **DISCUSSION:** None      **VOTED:** Approved.

Membership Report: The club now has 204 members.

Correspondence: None.

Questions for the Secretary:      None

## Treasurer's Report by KC1OYN, Rick:

### Approval of the Treasurer's Report:

**MOTION:** Rick, KC1OYN, moved that the July 2025 Summary Treasurer's Report previously sent by email to the club membership be approved.

**SECONDED**      **DISCUSSION:** None      **VOTED:** Approved.

Rick highlighted four items from the Treasurer's Report plus one additional item:

1. The \$500 donation received for the club's work in providing emergency communications for the Ion Cheshire half-marathon was deposited and recorded in July's Treasurer Report as discussed at the July business meeting.



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2. At last month's business meeting, we discussed that Lenny Guercia, KC1WEX, the Wallingford official in charge of the OEM, has asked the club to help with cleaning supplies for the OEM, requesting that MARC purchase a specific power mop and supplies, and that the club keep the refill kit supplied monthly, estimated to cost \$50 per month. Rick made a motion to create a new Recurring Cost of \$600.00 for the purchase of cleaning supplies for the OEM with a sunset date of May 2028, as requested by the Town of Wallingford. The motion was seconded and then tabled.

Rick opened the motion for further discussion or questions and a vote.

**MOTION:** To create a new Recurring Cost of \$600.00 for the purchase of cleaning supplies for the OEM with a sunset date of May 2028, as requested by the Town of Wallingford.

**DISCUSSION:** Questions were raised regarding whether the cost of \$600 was excessive, what areas of the OEM need to be mopped, and whether MARC alone was bearing the cost of the mop and supplies.

Ray, KC1QLS, and Rick, KC1OYN, responded that the bathrooms and other non-carpeted areas are mopped every Saturday, MARC is covering the cleaning costs, other groups are making other contributions to OEM upkeep, the mop has been purchased by Ray using his presidential discretionary funds, and the motion is for the necessary supplies. The motion is to authorize the maximum annual expense; actual expenses may be less, and per club policy for Recurring Costs, there is a sunset date.

**VOTED:** Approved.

3. Although LARK at the MARC occurred on July 26<sup>th</sup>, the squaring up the books didn't occur until August. The total cost to date for LatM was \$175.96. For field day this year, members enjoyed an excellent feast at a cost of only \$380.12. Combined, FD and LatM expended a total of \$556.00, offset by specific donations at FD of \$213 for an adjusted expense of only \$343.08 well under the approved combined recurring cost allotment of \$500.
4. We generated \$132 for the club's general fund at Lark at the MARK this year from the book and assorted sundries auction. This will be accounted for and recorded in the August Treasurer's Report.
5. Thanks to Tyler Schroder, N2RTS, for signing MARC up for a charity program called Benedity. Today we received a check from Benedity for a \$600 donation. Elizabeth Carpenter, an employee of The Hartford, made a \$200 donation that was matched times two by The American Online Giving Foundation, whose \$400 match made the total donation \$600.

Questions for the Treasurer: None

**Station Manager's Report by K1RCT, Rob:**

Rob highlighted several items from the Station Activities Manager's Report, which was previously distributed to the membership. Items highlighted included:

- Al Kaiser, N1API activated W1NRG for the Ten-Ten QSO Party on 08/02/2025
- Steve Allen, KC1SA, activated W1NRG during his Great Outdoor Adventure rove.
- The Mosely TA-33 Jr. Beam & 1) Ringo Ranger 2M vertical antenna, donated from the estate of John Elengo, W1DQ/SK, which didn't sell at the club auction, was released to club member Steve Chapman, KB1RLF.
- The 10M Tech Station and some accessories were sold during the club auction.

Questions for the S.A.M.: None

**Standing Committee Reports:** None

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## Old Business

- **VE sessions** are on the second Saturday of every month. On those Saturdays, please do not arrive at the OEM until 10:00 so we can be respectful to those taking their exams. [de KC1QLS]

## New Business

- **Aug. 28 Activity Meeting** has been moved to Saturday, Aug. 30, in-house at the OEM at noon. Bill, NR1B, will be presenting VARAC. Napoli pizza at 11 am (\$10 for pizza) [de KC1QLS]
- **Webmaster:** Storm Murrell, KC3UGH, has stepped down as club webmaster for health reasons. We thank her for all of the excellent work she has done. [de KC1QLS]
- **Open Positions:** There are now two open positions with people filling in temporarily.
  - **KeyKlix Editor**, currently being covered by Jimmie AB1DQ.
  - **Webmaster**, currently being covered by Dave, NZ1J.

Any member interested in filling either of these positions should contact Ray. [de KC1QLS]

- **New Form Factor Computers in radio room** - [de K1RCT]

Club Station Activities Manager, Rob, K1RCT, made a motion to upgrade the OEM computer systems:

**MOTION:** To upgrade the club computers at the OEM, the following hardware is to be purchased:

- 4 Refurbished Windows 11 Pro SFF PC's,
- 4 Wireless keyboard/mouse,
- 4 Hardware mounts for PC's, and,
- 4 VGA/Displayport adapters

Deployment: The hardware will be installed at the following stations:

- North HF Station (upgrade)
- South HF Station (CW) (upgrade)
- VHF Station (upgrade)
- CERT Trailer Station (new)

The proposed cost is about \$1200.00

## **SECONDED**

**DISCUSSION:** Concern was raised about the reliability of wireless mice, the cost of purchasing new hardware as opposed to refurbished, whether the refurbished machines are Windows certified, and the long-term reliability of refurbished small form factor computers.

Rob addressed these questions, stating that the old wired mice can be kept on hand in the event of wireless mouse failure, and that new hardware costs about twice as much as the refurbished machines.

Rob will be investigating whether the computers are Windows 11 certified.

**TABLED:** Per club policy, the motion was tabled until next month for continued discussion and a vote.

- **Elections:** Ray, KC1QLS, asked Ellen Cosgrove, KC1TSM, to head the election committee, and she selected Jim Cook, W3APC, and Elsie Matthews, KB1IFZ, as members. The committee has created an election protocol document, and the club officers are reviewing it. The document will be posted in the October Key Klix.[de KC1QLS]

## Announcements:

- Ray, KC1QLS, announced that he will not be running for office next year.
- Jimmy, AB1DQ, announced that Wallingford Adult Ed hasn't published their fall catalog yet as they are currently relocating their offices. With the start date of the Fall Tech class just over a month away, Jimmy will post the class on the ARRL Find A Class

website, and instead of providing the link to the Wallingford AE site, he will ask interested students to contact him by email.

- John Bee, N1GNV, announced that the Nutmeg Hamfest is coming up, and organizers are looking for volunteers.
- Joe, N1LES, announced that CERT has been asked for help with the North Haven Fair this year, which occurs September 4 - 7. Members interested in volunteering should reach out to Joe by email.
- Al, N1API, announced that the Town of Meriden is shutting down the volunteer South Meriden Fire House and will be creating a Meriden-based CERT team based out of that building.
- Rob, K1RCT, announced that the air conditioning is out at the OEM.
- Stan, WB1GFI, announced that we will have access to the Wifi at Maloney for the VE Session at Nutfest; no password is needed.

#### Ham Radio Club Activities de NZ1J

Each month, the club hosts one big activity event. In July, this was LARK at the MARC and the equipment auction, and in June, it was Field Day. For August, our major activity occurs on Saturday, August 30.

- Bill Huggins, NR1B, will be giving a presentation with some hands-on elements. It is anticipated that the program may run over an hour. In the morning, before Bill's presentation, there will be several good on-air opportunities, including the US Islands Event, the Worldwide Digital Kontest, and the Colorado and Kansas QSO Parties. We will enjoy Napoli Pizza for lunch, followed by Bill's presentation. Please plan to join us.
- The club is now engaged in ramping up CW effort, just as we were focused on FT8 in previous months this year. Bob Biancur, WB1GYZ, has done a lot in training folks in the art of CW/Morse Code and has evening on-air and on-Zoom practice nets. Still, many find it a steep hill to become proficient. Some get there, many don't. As part of the club's new CW focus, we want to make CW familiarization part of the mix. Even for hams not interested in becoming proficient CW operators, we aim to give all an opportunity to become familiar with CW and how to send by straight key and paddles. Watch for future CW-based programs and opportunities, and plan to join the fun, learning a bit more about CW and Morse Code with some hands-on experience.

#### Adjournment

**MOTION:** KC1QLS, Ray moved at 7:49 PM EDT that the June 2025 business meeting should now be adjourned.

**SECONDED**      **DISCUSSION:** None      **VOTED:** Approved.

The meeting was adjourned at 7:49 PM EDT.

**THE MOST WONDERFUL DAY OF THE YEAR!**

**2025 Nutfest ARRL Connecticut Hamfest**

Sunday October 12, 2025 - Maloney High School

**BRING your HT & we will program it for FREE!!!**

*Symposium topics...*

THE ARRL Forum ★ Technician Forum ★ POTA ★ CERT & Emcomm ★ FT8

Women Ham Innovators ★ Ham Radio & the Law ★ ARES ★ MARCONI I, II & III

 **RadioEccentricity**  
*New for Fall!*

**THE PUMPKIN  
SPICE UV5R**





# W1NRG *Newsline*



## 10-10 Summer Phone Results

Congratulations to the members of MARC's Castle Craig Chapter of Ten-Ten International, and specifically Al Kaiser, N1API, for a fine finish in the Summer Phone contest. W1NRG finished second in the club category with a total of 64 points. The 64 points earned by operator N1API placed Al in 4th place overall for individuals and first in the 1 Call District.



Ten-Ten International Net, or 10-10 for short, is an organization of amateur radio operators dedicated to maintaining high levels of amateur radio communications on the 10-meter amateur band (28.0-29.7 MHz). Established in 1962, 10-10 has grown continuously since that day, with some ups and downs according to the number of sunspots and the openness of the band. As you read this, the number of 10-10 numbers issued to members is over 78,000. 10-10 would welcome your membership in the organization if you have an amateur radio license with 10-meter privileges.

The 10-10 Castle Craig Chapter is MARC-affiliated, and we hold a ten-meter club net every Tuesday at 8:00 PM local time on 28.375 MHz, SSB.

For more information on 10-10 International, write to MARC member N1API, Al Kaiser, who is the Castle Craig Chapter chair, at [n1api@cox.net](mailto:n1api@cox.net).



# MARC at HamXposition 2025

The ARRL New England HamXposition, aka "HamX," was held at the Best Western Royal Plaza Hotel & Trade Center in Marlborough, Massachusetts, August 21 - 24 and by all accounts, it was again a grand event with outstanding attendance and great weather.

This year's program featured three presentations by MARC members. Ed Snyder W1YSM and Dale Clift NA1L gave an update on the rapidly growing MARCONI project. Shawn Warren, KC1QNE, led the Connecticut POTA Activators meeting, and Eric Knight, KB1EHE, and Elsie Mathews, KB1IFZ, gave a very well-attended and engaging presentation on their recent Antarctica DXpedition.



Eric reported on having a great, highly energized crowd and that they had brought their "A Game" -- literally, doing their presentation in the same show-n-tell style that has been popular in their MARC Technician and General Classes. They "dressed for success" in their orange Antarctica parkas -- and demonstrated the exact assembly-to-field-operation process from their trekking backpacks.

They brought a stack of their custom Antarctica QSL cards and gave everyone in attendance an "Eyeball QSO" QSL card.

People came up to them all afternoon, indoors and outside, thanking them for the fun presentation. Eric and Elsie want to give a special "thank you" shout-out to those from MARC who attended their presentation.

Eric further shared that their new InflaTenna™, which was available for sale at HamX, was a hit. If that wasn't enough, Eric also scored a pristine Heathkit "Hot Water" HW-101 HF transceiver, his very first ham rig, at the flea market.

**Elsie, KB1IFZ, and Eric, KB1EHE, "dressed for success," donning their Antarctica DXpedition duds at their well-attended presentation at the 2025 ARRL New England HamXposition in Marlboro, MA, on August 23. Photo credit KC1PEN**

# Jim Drexler, KC1TSG, gets local park POTA-approved

Recently, I was scoping out potential POTA activation sites using a paper map of Connecticut. I've been working on activations on a radius moving outward from my home QTH. On the map, I saw a future candidate in the form of Meshomasic State Forest located in the Portland, Glastonbury, and East Hampton areas.

However, when I checked the POTA site to obtain the park number and useful access information, I came up empty. I'm still relatively new to POTA and wasn't aware that not all parks, forests, trails, etc, are POTA registered.

I reached out to some fellow club members who suggested I contact Steve Veci, NK1V, who is the POTA coordinator for the state. Steve got right back to me with some follow-up questions, such as the GPS coordinates and any access info that I had.



Great Hill on the Shenipsit Trail in the Meshomasic State Forest photographed by Chris Calabrese, **lives4summits** on Instagram. [https://www.instagram.com/p/DLlupU-s3-n/?img\\_index=3](https://www.instagram.com/p/DLlupU-s3-n/?img_index=3)



Once I provided the requested data, I heard back from Steve the very next day.

Meshomasic has now been added to the official POTA park list as park US-12604. I hope to get out there soon with some other club members to be among the first to activate.

I came to find out, there are seven other state park entities not registered with POTA. Shawn Warren KC1NQE is presently working with the DEEP and the POTA folks to see which additional parks can be added.

*~ Jim Drexler KC1TSG*



**Above, KC1TSG, Jim Drexler enjoying a recent POTA activation.**

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# August Activity Meeting Recap

## *VarAC with Bill Huggins, NR1B, & Napoli's Pizza*



**TOP: Bill, NR1B giving his presentation on VarAC at the August 2025 Activity Meeting. BOTTOM: Jules, KC1STF, and Ted, KC1DOY assist with the live on-air demonstration.**

Summertime and the month of August wrapped up with the MARC monthly activity meeting on Saturday, August 30, at the OEM with a superb pizza lunch from Napoli's and an equally superb presentation and demonstration of VarAC by MARC member **Bill Huggins, NR1B**.

VarAC, or VaraChat, is a real-time, peer-to-peer, keyboard-to-keyboard chat and emergency communication application for amateur radio operators that uses the robust VARA modem protocol to send text, files, images, and weather updates over HF radio, even under weak-signal conditions. It offers an active community, automatic contact logging, signal reporting, and features like Vmail (virtual mail), allowing users to send messages without a live connection, making it a versatile and efficient tool for both casual chat and emergency communications (EMCOMM).

Bill said what he likes about operating VarAC is that it allows him to move beyond the quick "signal report and gone" QSO. Operating VarAC emphasizes not the quantity of contacts, but the quality of contacts. Bill pointed out that we, by nature, are communicators. When people get together, "we talk, we go on and on - we communicate!" VarAC, a digital means of operating, offers ways of communicating that we don't get in CW, SSB, and FT8. With VarAC, hams can chat, transfer files, send email, and even play games. A typical VarAC QSO can easily last 15 to 20 minutes.

Assisted by **Jules, KC1STF**, and **Ted, KC1DOY**, Bill demonstrated VarAC in the OEM, making contacts between Jules' portable station and his own on 2 meters FM using

the established VarAC frequency of 144.95. Because VarAC can be done on 2 Meters, both FM and SSB, it's a mode of operating that Technicians can enjoy with their license privileges.

Bill emailed a couple of PDF files to attendees to help them get started. Anyone who was not in attendance but is interested should reach out to Bill directly. If you weren't able to join us, you missed a great day of ham radio fraternity and, oh yeah, the pizza from Napoli's was, as promised, delicious!

*~Reported by Jimmy, AB1DQ with Ted, KC1DOY*



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# Let's Talk Contesting *by AL, N1API*

Contesting season is once again upon us. The major DX contests will be starting soon, and the season will run through the winter and into the spring before taking its summer break. No matter where you contest from, at home or from the club, one of the most useful tools for finding those elusive multipliers, contacts that help your score because they are new, countries, states, prefixes, or whatever the goal of the contest is, the DXcluster, also simply known as the cluster.

This article will attempt to help you understand what the cluster is all about, how to use it, and some dos and don'ts of contesting. Because of the different cluster software programs, we won't try to explain how to use the features; you will need to learn this yourself from the help files and online instructions.

There are two ways to get the "spots" of the information that is disseminated by the cluster and to place spots on them yourself, whether in contesting or just chasing that needed DX country, state, or county.

The first is to go to a web page such as DX Summit. The web page is at <http://www.dxsummit.fi/#/> where you will be able to see what spots have been posted by amateurs around the world. You will also be able to add your spots. I would spend some time on the "tutorials" tab learning how to use the DX Summit before trying out the features.

The advantage of using a web page is that you can see everything posted all over the world on all the bands. This is also a disadvantage because you may not have the same propagation posted by some of the stations. A JA posting a 160-meter spot at his night will not be something you will hear. Another disadvantage is that you always need to have an internet window open and on this page (or any one of the other web clusters available). Also, if you are contesting with a program that allows you to send and receive spots, you won't be able to use a web cluster. QRZ.com is another website with a DX spot page.

Another way to get spots, and one which you won't need to devote a web page to, is a standalone program such as RXclus that you can get at <http://www.hb9bza.net/rxclus-download>. Though not the only one available, it is one of the most popular.

The biggest advantage to this program is that it is always being updated with country, IOTA, LoTW, and Telenet (active cluster) updates, and getting these is a one-click process. You have your choice of thousands of nodes all over the world.

Here also you can set filters to show spots from different areas or even turn off spotting from everywhere. Again, you should download the tutorials to learn how



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to use the program, as this is part of what many contest programs use for their TELNET connection when contesting.

So, what does all this have to do with contesting? Using N1MM as an example, there is a window called TELNET that you can call up. This will connect you to your favorite DX cluster. In my example, I have used K1EU, which is located in Maine. Many use K1TTT, located in Massachusetts. Each cluster has its own software that it decides to run on its systems. Once you get familiar with the use of the clusters, you can look at different clusters to see which software program you like best.

Some have different ways of sending commands, use of lookups, sending messages, or announcements. Some may not allow any announcements, and some may only post spots from a limited area, so that you are not seeing spots for areas you don't have propagation to. Only by experimenting and checking different clusters will you find the one that is right for you. SYSOPS (System Operators), don't mind you checking in and looking around. You won't break anything. Type HELP on a command line, and that will get you started. You can look further from there. Each cluster will tell you what software they are running, and you can find the author's web page and a manual on using the software for operators. It helps early on to have a list of commands so you know how to send spots, announcements, emails, weather updates, or even WWV reports.

So now let's contest. Whether you use a contesting program that integrates a cluster or logs to paper, there are certain rules to follow.

The first and most important is not to self-spot. Doing so will get you either disqualified and, in some cases, banned from participating for many years or a warning; CQ calls these Yellow Cards and Red Cards. A Red card is a disqualification, a yellow card a warning.

Next, do not ask to be spotted. That is just as serious as self-spotting and can also get you disqualified. Usually, just for that contest, unless it is a flagrant violation, where you could get banned for several years. These two violations are also published in the results, so the whole world will know what you did.

Also, do not spot yourself using another call. You will be found out. For example, I can't spot N1API using my club call W1JAX. Let me mention here that the spotting rules are for contesting and DX work, though I do disagree with the self-spot rule when working DX, not in contest, and you are on a frequency calling CQ. I think an occasional self-spot is not a grievous fault.

Do not overspot a friend. This has always been a problem. You can spot a friend "occasionally". But don't make a habit of it. If you are searching and pouncing and run across a friend, you can spot him. But don't go back and do it every 15 minutes.

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Do spot new DX, States, Zones, Counties, and Provinces, or what the subject of the contest is about, especially if you are first to run across a rare contact. If you work someone and they are not in the "bandmap", the map of the stations and the frequency they are on, spot them. I will "say thanks" to a station for working me by giving them a spot with a CTRL-P after I work them. Band maps time out after a set time, and they may have disappeared from someone's band map that needs that contact.

Lastly, if you are running rather than searching and pouncing, don't spot the stations you work. This will only get others calling them rather than you on your running frequency.

Are you running Assisted or Non-Assisted? If you are Non-Assisted, you are not getting spots or help from anywhere. You're on your own finding contacts. You CAN connect to the cluster and post spots, but the software will not show you spots. Example in the CQWW using N1MM, you've just been the first to work the P5 out of North Korea, they're calling CQ, and no one is answering them. Pressing ALT-P will post their call and frequency to the cluster. Just wait a minute and watch the whole world descend all over them.

If you are assisted, you are connected to the cluster and receiving spots OR / AND getting help from any other source(s). Don't claim Non Assisted and be looking at the cluster on a laptop or on a Web Page. People have been "found out" doing this. How? The contesting scoring software has been highly developed, and when the numbers are crunched, the flags will pop up showing an anomaly.

The DX clusters are very useful tools in both contesting and everyday hamming. These simple guidelines will get you started, and with a little research and practice, you should be able to make them work for you to accomplish your goals.

-73-

A1 - N1API



## At the Clubhouse *with Ted, KC1DOY*



WB1GYZ, "Railroad Bob" with the 440 MHz consortium antenna.



Builders were able to pick up plenty of free parts on Aug 2.

Saturday, **August 2, 2025**, started as a "where is everybody" day but quickly grew into a full-house crowd. Dave, NZ1J, brought in several boxes of free electronics parts that were donated by George, AC1SK, for anyone interested. This drew a crowd of all those who like to build ham radio projects and some who were just thinking about it.

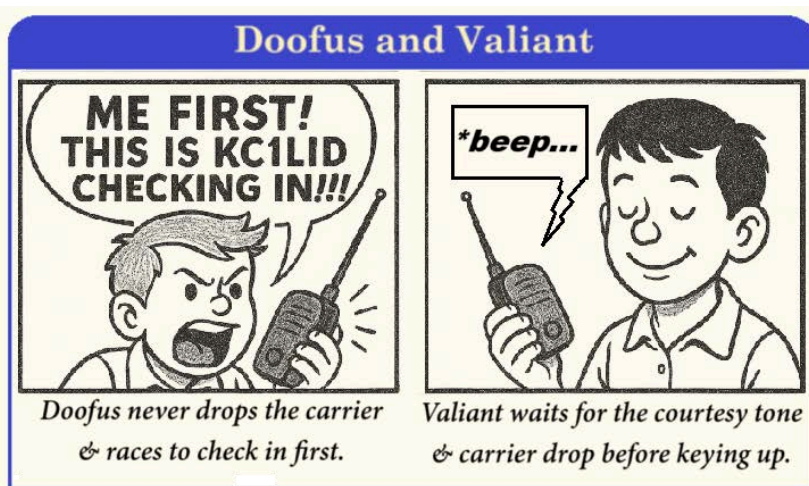
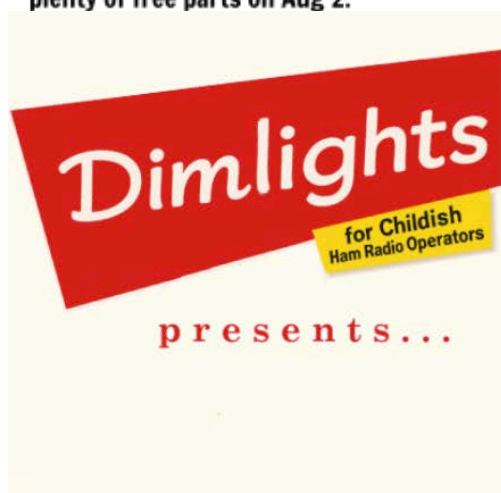
John, KC1KQH, brought in the 440 MHz "consortium" antenna that was purchased at the Lark at the MARC auction. When it went up for sale, it didn't garner any votes by individual members, so Dave, our auctioneer, suggested that a few members form a consortium to share the cost.

Now it is owned in equal parts by John, KC1KQH, Reed, KC1NHE, Ted, KC1DOY, and Dave, NZ1J, who plan to use it for satellite work. Dave will be working to make a handle for it.

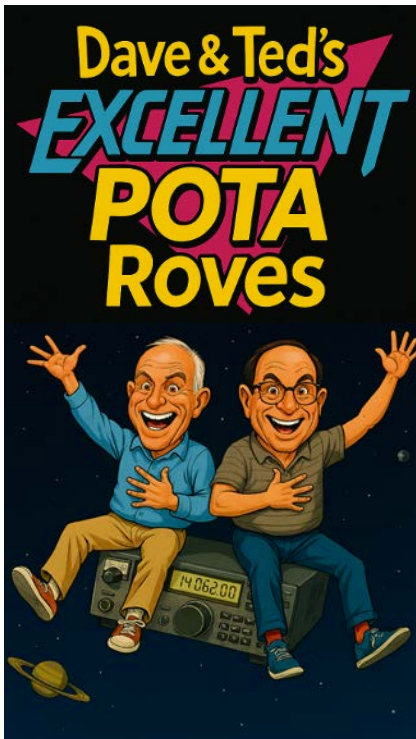
The usual banter also took place, and everyone on hand took a few minutes to go into the radio room and work AI N1API on 28.375 MHz to help boost his score for the 10-10 International contest taking place that day. (See page 8 for more details on the contest outcome.)

Radio is always #1 at MARC, and Saturdays at the OEM is the place to be. If you haven't stopped in yet, you're missing out on a great opportunity to 'play radio' with your fellow MARC members - why not plan on joining us next week?

~ Reported by Ted KC1DOY







This Summer, Parks on the Air seems to be the most popular outdoor activity for MARC members next to fox hunting.

Wednesday, August 6th, was a fine day for (another) POTA rove. Dave NZ1J and I (Ted, KC1DOY) set out early, about 8 AM, intending to hit 5 parks. They were US-6862 Horse Guard in Avon, US-1721 Stratton Brook in Simsbury, US-6861 Great Pond in Simsbury, US-1724 Talcott Mountain in Simsbury, and US-1706 Penwood State Park in Bloomfield. We left US-9896 Auerfarm State Park in Bloomfield as a backup in case one of the other parks was unavailable for some reason.

Weatherwise, this was probably the best day we could ask for - upper 70's with low humidity.

Although we started with good band conditions, 40 meters closed up after a while, so we were forced to switch to 20 meters. We managed to complete our rove, although we

had to call CQ quite a bit and fight through a few very weak signals to complete some QSOs. Dave was almost ready to switch to FT8 for a while.

We weren't the only activators out that day, as we managed to make park-to-park QSOs with Jim, Andy, and Don, who were each working their parks. Right now, I'd say that POTA is the number one club activity at MARC, with fox hunting a close second, as far as outdoor activity is concerned.

The August 6th rove took about 6 hours and covered about 100 miles. Dave and I worked up an appetite making all of those QSOs, so we stopped at the Wallingford Burger King for lunch. When we go for a 10-park rove, it could take longer, so maybe I shall pack a sandwich to save time.





On Tuesday, 19 August 2025, Dave and I set off on our second rove of the month, hoping to activate 4 parks we hadn't been to before.

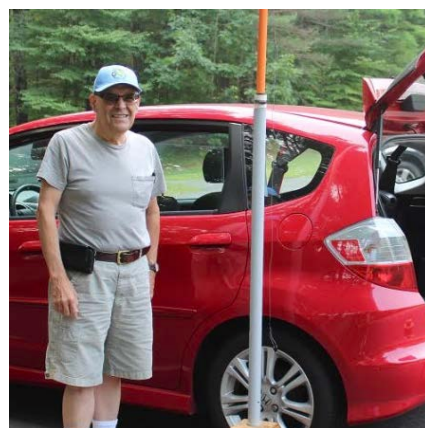


As usual, an early start was a must. We met up at Wharton Brook State Park, US-1728, just before the park opened at 8 AM. Once inside, we set up and began transmitting. We easily made 27 QSOs and didn't waste time moving on since the other parks were farther away, and travel time had to be factored into the rove.

By 12:30, we had succeeded in activating the other 4 parks on our list for a total of 140 QSOs.

Gay City SP US-1669 in Bolton/Hebron, 14 QSOs. Bolton Notch SP US-1651, 37 QSOs. Hop River State Trail US-7532 in Andover, 37 QSOs. Bishop Swamp Wildlife Management Area US-11013 in Andover/Hebron, 25 QSOs.

Band conditions varied from good to just readable, but overall, it was a good day for a rove. I was happy to be able to set up my POTA station when we were at Wharton Brook, since it hadn't been used since last year, and I want to test everything before I take it on my next trip.



If you haven't tried POTA yet, now is a good time to start, with so many others around to help you.

*~ report by Ted, KC1DOY*



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# Radio Active Members - August 2025

## *A look back at what our members were up to last month*



**Constantino Tobio, KA1BMF**, made a successful POTA activation of US-1728, Wharton Brook, on August 3, his 6th to date, making 31 FT-8 contacts.

He also reported that he experienced his first RF burn during this activation - perhaps a rite of passage for all hams?

Constantino also had his youngest along, who, judging from the photo, had a great time playing radio with 'dear old dad.'

Constantino also had a successful activation of US-2656, Hampton Beach, NH on the August 15th.

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**Dale, NA1L**, reports that after years of being pursued by the MARC RF hunters, the foxes are still finding new crafty places to hide.

Look carefully at the photo to the right and see if you can spot it.

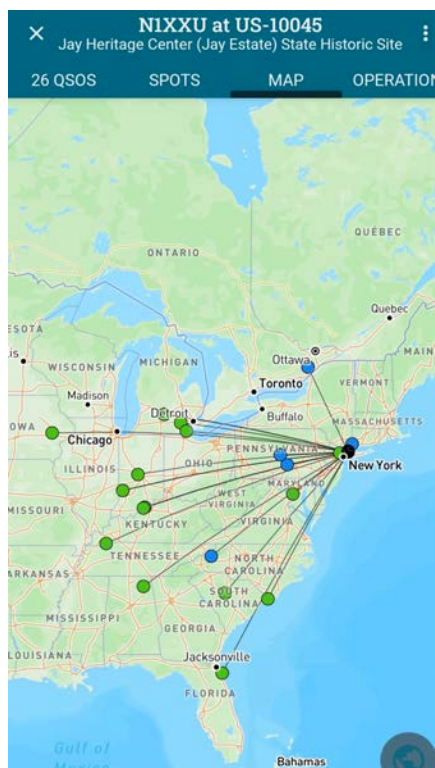
**Rob, K1RCT**, placed the "little fox" during the August 3 Sunday Fox Hunt. Putting only 12mW on 145.3 MHz, it presented a good challenge to the hunters.



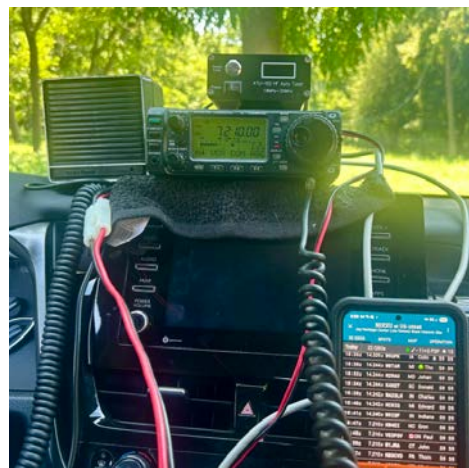
On July 29, **Al, N1API**, had **Rich, WA1TRY**, over to his home QTH to do some work on Al's computer and for a bit of socializing. It's great seeing Rich out and about and getting together with Al.

For newer club members, both Rich and Al go way back in club history, both having served in various leadership positions and having helped lay the foundation for the vibrant organization we enjoy today. ~ Photo courtesy of N1API





**Debbie, K1PET, and Andrew, N1XXU, Purchia** went to visit family in New York and decided to help Debbie get her 100th unique Park award, making 28 Qs at US-10045, Jay Estate. They shared some photos on Facebook of their quick and simple setup for when we are using her car, a company vehicle in which they can't install anything permanent. Their portable shack is based around an Icom IC-706 MkII with an external ATU-100 auto tuner. Congrats, Debbie = well done!



**Jimmy, AB1DQ**, made his first POTA activations of 2025 whilst he and his XYL, KC1TSM were vacationing in Maine. On Monday, the 18th, he activated US-2388, Ferry Beach State Park, a new park for him and a nostalgic choice as he recalls his parents taking him there when he was young.



**AB1DQ's operating position at Ferry Beach State Park.**

On Wednesday, the 19th, Jimmy set out to activate US-8448 Mt. Agamenticus, the site of his first POTA activation in 2021.

His day started badly when he realized he had forgotten to pack his Li-ion battery which he charged in the hotel room! He was, however, able to power his Xiegu G90 from the PowerPole outlet he had previously installed in his MINI.

But next he discovered that he had somehow torn off the crimped-on ground contact for his antenna when packing up at Ferry Beach. Using his ever-present pocket knife, he was able to strip the ground wire ends for a make-shift contact, enabling a successful activation.



**The view from the top of Mount Agamenticus on August 19 - the leaves, they are a changin'**



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**Paul Clark, WA1MAC**, has solved his mast support quandry on his POTA mountain bike. Having had his bike trailer for 30+ years, and having towed it across the width of England in the 1990s, and having hauled a ton of groceries with it, he mused, Why not use it to hold up some antennas? Here's a look at his mods. He notes, "The tote is removable, but it can also double as an operating table.

Paul brought his bicycle trailer mobile station setup to the OEM Open House on August 30 for show and tell; nearly everything he needs fits into the trailer.





**Don, W1BRY, and Ted KC1DOY** made a POTA activation at US-9894 Topsmead State Forest in Litchfield on Wednesday, August 27, and made 33 QSOs with Don's station. Don uses two grounding sheets made from aluminum screen door mesh.

Ted suggested that Don staple the ends to some wood strips to keep the screen material from kinking and bending when being rolled up or laid out, and **Dave, NZ1J**, brought a staple gun to the OEM the following Saturday to attach the wood strips to Don's aluminum mesh. Now the screen ground plane can be handled, deployed, and stored quite easily.



Congratulations to MARC member **Paul Stasieluk, W1EDX**, sometimes known as 'The Great POTA Hunter' who has just earned the POTA Ocelot award commemorating hunting 7,500 distinct parks.

According to the POTA website, as of August 31, Paul has now hunted 7,516 POTA parks and has made 13,733 QSOs. 9,724 QSOs were made by phone, 3,982 by CW, and 27 using digital modes.

By any measure, that's a lot of parks!

**David Henry, KC1PEN**, and **Kevin Van Keuren, KC1OWD**, along with other hams, will be teaching a Radio Merit Badge / ARRL Girl Scouts Radio Badge session at Camp Sikorsky on 9/20 from approximately 10:00 am to 3:30 pm.

They will be training and assisting scouts with operating a variety of HF and VHF/UHF (FM and DMR) stations under special event callsign W1Y.

They are looking for other hams for them to talk to on the under end. They are anticipating to be on 20M SSB phone, 2M simplex, and various repeaters.

See more details on page 3 and those able to help should reach out to David.



# W1NRG Back to School Catalog

*All you need for the academic year ahead!*



**FARADAY CAGE LUNCHBOX** - Keeps your food safe from EMPs and nosy classmates. Tuna salad never tasted so isolated. Complete with shatter-proof THERMOS bottle to keep your beverage luke-warm. **\$19.00**



**"CW Is My Love Language" PENCIL CASE** - Comes pre-filled with perfectly sharpened HB pencils and a tiny speaker programmed to beep your call sign in Morse code. **\$15.00**



**RADIO-LA CRAYONS** - Includes Heathkit Green, Pink Ticket, Burnt Resistor and other favorites. With built-in sharpener **\$12.00**



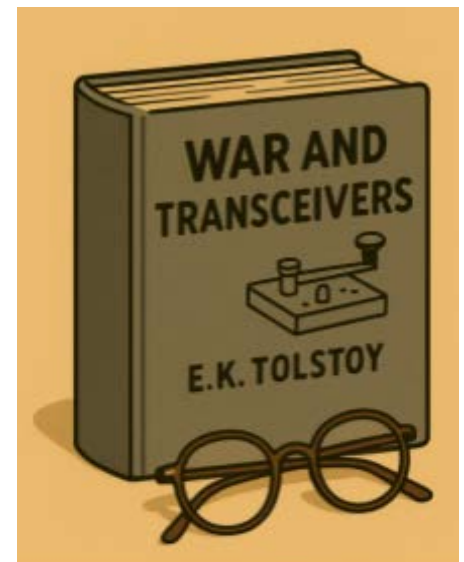
**Protractor™ Model 88-SWR - TACTICAL ANGLE MEASUREMENT FOR THE AMATEUR OPERATIVE**

- Measures angles in degrees *and* S-units
  - Dual-mode calibration: Euclidean & Morse
  - Integrated mini whip antenna.
  - Available in military green with faux wood trim, or Hokey-Pokey-Man Yellow™
- \$3.25 Protractor 88-SWR**  
**\$5.00 Genuine Cowhide Case**  
**\$6.25 Custom case w. monogram**

## ELMER'S GLUE-ALL, 3 PACK

- For all of your sticky situations in the year ahead, you can trust your Elmer (he's seen it all before). Elmer's is non-toxic and, unlike airplane dope, is non-huffable.

~~\$624.99~~ **Sale Price: \$12.00**



**WAR AND TRANSCEIVERS** - *Required Reading* - Tolstoy meets telemetry in this 800-page Russian novel about frequency modulation and personal despair. **\$25.00**

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*Get On the Air...*

## SELECTED EVENTS & OPPORTUNITIES

CONTESTS: *Click on hyperlink for more info...*

- |  |                                  |
|--|----------------------------------|
| • <a href="#">K1USN SST Open</a>                     | 2000Z-2359Z, Sep 12              |
| • <a href="#">First Operators Club OSO Party</a>     | 0000Z-2359Z, Sep 13              |
| • <a href="#">Worked All Europe DX Contest - SSB</a> | 0000Z, Sep 13 to 2359Z, Sep 14   |
| • <a href="#">ARRL September VHF Contest</a>         | 1800Z, Sep 13 to 0300Z, Sep 15   |
| • <a href="#">NCJ North American Sprint (CW)</a>     | 0000Z-0400Z, Sep 14              |
| • <a href="#">ARRL 10 GHz and Up Contest</a>         | 0900 local Sep 20 to 0759 Sep 22 |
| • <a href="#">ORP Afield (NEORP)</a>                 | 1500Z-2100Z, Sep 20              |
| • <a href="#">Wisconsin Parks on the Air</a>         | 1600Z-2300Z, Sep 20              |
| • <a href="#">NCJ North American Sprint (RTTY)</a>   | 0000Z-0400Z, Sep 21              |
| • <a href="#">CQ Worldwide DX Contest, RTTY</a>      | 0000Z, Sep 27 to 2359Z, Sep 28   |
| • <a href="#">YU DX Contest</a>                      | 1200Z, Sep 27 to 1159Z, Sep 28   |
| • <a href="#">URC DX RTTY Contest</a>                | 0000Z-2359Z, Oct 03              |
| • <a href="#">Oceania DX Contest, Phone</a>          | 0600Z, Oct 4 to 0600Z, Oct 5     |
| • <a href="#">Thracian Rose Club DX Contest</a>      | 0600Z, Oct 4 to 1800Z, Oct 5     |

STATE OSO PARTIES:

- |   |                                |
|---|--------------------------------|
| • <a href="#">Tennessee OSO Party</a>     | 1700Z, Sep 07 to 0300Z, Sep 08 |
| • <a href="#">Iowa OSO Party</a>          | 1400Z, Sep 20 to 0200Z, Sep 21 |
| • <a href="#">Texas OSO Party</a>         | 1400Z, Sep 20 to 2000Z, Sep 21 |
| • <a href="#">New Jersey OSO Party</a>    | 1400Z, Sep 20 to 0159Z, Sep 21 |
| • <a href="#">New Hampshire OSO Party</a> | 1600Z, Sep 20 to 2200Z, Sep 21 |
| • <a href="#">Maine OSO Party</a>         | 1200Z, Sep 27 to 1200Z, Sep 28 |
| • <a href="#">California OSO Party</a>    | 1600Z, Oct 04 to 2200Z, Oct 05 |

SPECIAL EVENTS:

- |   |                                |
|---|--------------------------------|
| • <a href="#">Route 66 On The Air</a>           | 0001Z, Sep 06 to 2359Z, Sep 14 |
| • <a href="#">WWV 106th Anniversary, WW0WWV</a> | 0000Z, Oct 02 to 2359Z, Oct 05 |
| • <a href="#">Pumpkin Fest, WOCWP</a>           | 1300Z-2000Z, Oct 04            |

HAMFESTS:

- [NEAR-Fest - New England Amateur Radio Festival](#)  
10/03/25 8 AM - 10/04/25 2 PM - Hillsborough 4H Fairgrounds, New Boston NH
- [Nutmeg Hamfest, ARRL Connecticut State Convention](#)  
10/12/25 8 AM - 1 PM - Maloney High School, Meriden, CT

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## *Weekly W1NRG Nets...*

*On the air all week long!*

***Sunday:***

**ELMER NET**

**SUN 7:30 pm VIA ZOOM**

See the MEMBERS AREA of the website for access

***Monday:***

**NEW HAVEN/MIDDLESEX SKYWARN NET**

**MON 7:00 pm W1NRG/R 147.360+ PL 162.2Hz**

**6 METER SSB NET**

**MON 8:00 pm 50.175 MHZ USB**

***Tuesday:***

**2 M FM NET**

**TUE 7:00 pm W1NRG/R 147.360+ PL 162.2Hz**

**10 M 10-10 CASTLE CRAIG NET**

**TUE 8:00 pm 28.375 MHZ USB**

***Wednesday:***

**JUST PUSH THE BUTTON NET**

**WED 7:00 pm W1NRG/R 147.360+ PL 162.2Hz**

***Saturday:***

**COFFEE CUP NET**

**SAT 9:00 W1NRG/R 147.360+ PL 162.2Hz**

## *OEM Saturday Open House... It's the place to be!*

Come to the OEM at 143 Hope Hill Road on Saturday Mornings for the MARC Weekly Open House.

Join us starting at 9:00 AM to meet fellow club members in a social setting and participate in various radio activities.



*And, remember...*

*Sometimes we*

*also have*

*donuts!*



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# Key Klix *Klassified* - Buy, Swap & Sell...

*NOTE: UNLESS INDICATED OTHERWISE, Photos below are not of the actual items, but are included solely for reference purposes.*

## ITEMS FOR SALE

**Whistler WS1065 Scanner**                      **\$100**  
Condition: Very good  
Email DAVE NZ1J [davidtip100@gmail.com](mailto:davidtip100@gmail.com)



**Daiwa CN901HP SWR/Power Meter**    **\$175/BO**  
Will handle 2,000 watts  
Email DON W1BRY [d.chepurna@snet.net](mailto:d.chepurna@snet.net)



**Kenwood HS-5 headphones**                      **\$75**  
Email DON W1BRY [d.chepurna@snet.net](mailto:d.chepurna@snet.net)



**ICOM IC-R10 Receiver**                              **\$200**  
Condition: Mint in box  
Email JOE N1LES [jmurray407@aol.com](mailto:jmurray407@aol.com)



**RadioShack Pro2096 Dig Scanner**    **\$185**  
Email JOE N1LES [jmurray407@aol.com](mailto:jmurray407@aol.com)



**Heathkit VF1 VFO**                                      **\$65**  
Condition: Very Good  
Email RICH KB1FGC [Marzo7088@yahoo.com](mailto:Marzo7088@yahoo.com)



**Ameritron ALS 600W Amp** **\$850**  
 Condition: Good  
 Email RICH KB1FGC [Marzo7088@yahoo.com](mailto:Marzo7088@yahoo.com)



**Bendrix Straight Key** **\$50**  
 Condition: Good  
 Email RICH KB1FGC [Marzo7088@yahoo.com](mailto:Marzo7088@yahoo.com)

**5 FT Pull Down Projection Screen FREE**  
 Condition: Good - come & get it.  
 Email AL N1API [n1api@cox.net](mailto:n1api@cox.net)

**Kenwood TS680s HF+6M transceiver \$325**  
 Condition: Exc. w. Hand mic, power cord  
 Email: FRANK KC1CAB [KC1CAB@snet.net](mailto:KC1CAB@snet.net)  
 \*\*\* ACTUAL ITEM DEPICTED \*\*\*



**Astron RS-20M 20amp power supply \$100**  
 Condition: Excellent  
 Email: FRANK KC1CAB [KC1CAB@snet.net](mailto:KC1CAB@snet.net)  
 \*\*\* ACTUAL ITEM DEPICTED \*\*\*



**Icom 7300 HF/6M transceiver \$775**  
 Includes:

- Icom power connector to Powerpole Adapter
- Icom Hand-held mic
- Harbor Freight Apache case, orange
- Side rails, nifty guide, factory box and manual

Email HAROLD WJ1B [WJ1B@arrl.net](mailto:WJ1B@arrl.net)



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Email [keyklix@w1nrg.com](mailto:keyklix@w1nrg.com) and  
 tell us what you're looking for.

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# EDITORIAL PAGE

## *AST proposal for use of 70 cm sets a wicked bad precedent* a **KeyKlix** Editorial

AST SpaceMobile's recent FCC proposal to use a portion of the 430-440 MHz amateur radio band for satellite telemetry, tracking, and command (TT&C) operations poses not only an immediate threat to our 70 cm band allocation but also sets a dangerous precedent for future reallocation of the amateur bands to commercial interests.

The RF spectrum is a limited and precious natural resource, and in our modern age of rapid advances in communications technology, band access has become all the more valuable.

AST SpaceMobile, a Texas-based company developing a direct-to-cell satellite network, has argued in its application for authorization for up to 248 satellites that its prior demonstrations have shown that its use of the band was in line with ITU regulations and sufficient to authorize a "limited, nonconforming use." AST further maintained that it is capable of self-monitoring its operations for incidents of harmful interference.

It is my opinion that for-profit corporate firms, by their very nature, have a shoddy track record of putting the common good ahead of their solitary purpose to maximize income and profits, and I find AST's pledge to self-monitor their operations for harmful interference dubious, at best. Further, I fear that any new commercial authorization of the ham bands sets a precedent and puts us on a slippery slope for further attacks on our precious frequency allocations.

In their opposition, the ARRL and amateur radio operators worldwide have cited the band's importance for emergency and public service communications and concerns over harmful interference. The ARRL has filed formal comments opposing the request, emphasizing the band's critical role and the unprecedented nature of the proposal.

The FCC's decision will impact future access to the critical RF spectrum for both commercial and amateur use, notes the ARRL. All amateur radio operators are strongly encouraged to stay abreast of these proceedings and to participate by submitting their own comments to the FCC and other national authorities to demonstrate the scope of the opposition.

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While much legitimate criticism has been leveled at the ARRL by the ham community in recent years, the League remains our only national lobbying resource with the ability to effectively oppose threats to the ham bands. Amateur operators concerned about protecting our bands are encouraged to consider ARRL membership and contributing to the Spectrum Defense Fund.

*The opinions expressed are solely the personal views of your KeyKlix editor and do not reflect an official position of the Meriden Amateur Radio Club, its officers, members, or affiliates. Reader comments are welcome. To respond and share your views, please write to [keyklix@w1nrg.com](mailto:keyklix@w1nrg.com)*

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## *Letters to the Editor*

Want to comment on something you read in KeyKlix? Write to [keyklix@w1nrg.com](mailto:keyklix@w1nrg.com) with your comments with "LETTER TO THE EDITOR" in the subject line. All letters acknowledged and messages deemed to advance the conversation shall be printed in this space.

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## *Desperately seeking an Editor*

Are you a bona fide radio cuckoo? Do you relish MARC, and are you active in club events? Do you have a creative vision and possess the mad skills to implement your aspirations?

**IF SO, WE WANT TO HEAR FROM YOU!** Submit your letter of interest to [president@w1nrg.com](mailto:president@w1nrg.com)

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**Key Klix** is *your* newsletter, and we rely on our fellow members to share their latest radio news to provide engaging content for all. Contributing is a great way to connect with other members who may share or want to learn more about your particular areas of radio interests. Please drop us a line with articles, logs, news of what is happening in your shack, and photos are always most appreciated. Keep Key Klix Kool by sending your news, updates, articles, and photos to [KeyKlix@w1nrg.com](mailto:KeyKlix@w1nrg.com),

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## **Key Klix** September 2025

*Has been brought to you by*

INTERIM EDITOR	- JIMMY SURPRENANT, AB1DQ
PHOTOGRAPHER	- TED RENZONI, KC1DOY
BIOGRAPHER	- BOB BIANCUR, WB1GYZ

*Thank you to all of this month's contributors, including...*

**AB1DQ - KA1BMF - KB1EHE - KB1IFZ - KC1DOY - KC1TSG - KC1PEN - NA1L - N1API - NZ1J**



# MEMBERSHIP ROSTER

*The Meriden Amateur Radio Club is*

<b>AA1MH</b>	Robert Hurlbut 26	<b>KC1OYR</b>	Brent Moyer 25	<b>N1FNE</b>	Rod Lane 26
<b>AB1DQ</b>	James Surprenant 26	<b>KC1OYS</b>	Jim McAuliffe 25	<b>N1GNV</b>	John Bartscherer 25
<b>AB1HB</b>	Charlie Dudac 25	<b>KC1PEN</b>	David Henry 25	<b>N1GY</b>	Geoff Haines 27
<b>AB2T</b>	Jordan Zarembo 25	<b>KC1PXX</b>	Dave Alfredson 25	<b>N1HCA</b>	Susan South 26
<b>AC1SK</b>	George Bucci 25	<b>KC1PYT</b>	Jeff Gazso 25	<b>N1IBE</b>	Wade Martell 25
<b>AC1ST</b>	Louis Brenner 25	<b>KC1QHO</b>	Mike Beaudry 25	<b>N1JEO</b>	Joel Curneal 25
<b>AC1TY</b>	Andrew Rudczynski 25	<b>KC1QLS</b>	Ray Cirno 25	<b>N1JMX</b>	Jeff Martin 28
<b>AF1X</b>	James Elliott 25	<b>KC1QWH</b>	Steve Rygiel 25	<b>N1LES</b>	Joe Murray 25
<b>K0OZ</b>	Brian Boccuzzi 25	<b>KC1RBY</b>	Sergio Frutuosa 25	<b>N1MOB</b>	Dan David 25
<b>K1BTR</b>	Bryan Ragaini 25	<b>KC1RLQ</b>	Eric Barbour 26	<b>N1NGV</b>	Kevin Gallagher 25
<b>K1DMS</b>	Dave Sack 25	<b>KC1SA</b>	Stephen Allen 25	<b>N1NIS</b>	Noah Ludecke 25
<b>K1JCF</b>	Joe Farrell 25	<b>KC1SDA</b>	Richard McHugh 25	<b>N1OKF</b>	Bob Parisi 25
<b>K1LHO</b>	Mike Ash 26	<b>KC1SEN</b>	Nicholas Worroll 25	<b>N1OKR</b>	Frank Ciccone 27
<b>K1LYP</b>	John Yusza 29	<b>KC1STF</b>	Julian LoRusso 27	<b>N1OQC</b>	Mike Johnson 25
<b>K1MAL</b>	Chris Altieri 26	<b>KC1SYU</b>	Jim Cosgrove 25	<b>N1PHI</b>	Trish Nitschke 25
<b>K1MMK</b>	Michael MacKennedy 27	<b>KC1TAD</b>	Tom Dipinto 26	<b>N1PQQ</b>	Greg Cartier 26
<b>K1MRE</b>	Mike Easter 25	<b>KC1THU</b>	Mike Zelladonis 26	<b>N1QYB</b>	Bill Wilecki Jr 25
<b>K1NEG</b>	Nelson Goewey 26	<b>KC1TKY</b>	Bob Hourigan 26	<b>N1WCL</b>	David Blasko 25
<b>K1PET</b>	Debbie Purchia 25	<b>KC1TKZ</b>	Mark Bonitatebus 25	<b>N1XXU</b>	Andy Purchia 25
<b>K1RCT</b>	Rob Cichon 25	<b>KC1TOV</b>	David Tomlinson 25	<b>N1YLN</b>	Edward O'Lena 25
<b>K1SCI</b>	Stuart Isaac 26	<b>KC1TPN</b>	Rick Foster 25	<b>N1ZN</b>	Jim Savage 25
<b>K1SMD</b>	Silas Moeckel 25	<b>KC1TSG</b>	Jim Drexler 25	<b>N2TAG</b>	Dave Taglianetti 25
<b>K1STM</b>	Anne West 25	<b>KC1TSK</b>	Richard Pagano 25	<b>N2YCH</b>	Conrad Trautmann 26
<b>K1TDO</b>	Todd Olsen 25	<b>KC1TSL</b>	Charlie Vossbrinck 27	<b>N7VGA</b>	Dennis Hanlon 26
<b>K1TGX</b>	Jerry Molaver 30	<b>KC1TSM</b>	Ellen Cosgrove 25	<b>NA1L</b>	Dale Clift 25
<b>K1UD</b>	Butch Chatfield 25	<b>KC1TSN</b>	Chuck Caron Jr. 26	<b>NA2AA</b>	David Minster 25
<b>K1VDF</b>	John Blevins 26	<b>KC1TSP</b>	Dale Fortin 25	<b>NR1B</b>	Bill Huggins 25
<b>K1WJL</b>	Dave Swedock 25	<b>KC1TST</b>	Mike Boccuzzi 25	<b>NZ1J</b>	Dave Tipping 26
<b>K1XJ</b>	Kevin Buchanan 25	<b>KC1TSW</b>	Charles Caron III 25	<b>UT3UY</b>	Anatoly Kirilenko 25
<b>K2RPM</b>	Bruce Torello 25	<b>KC1TSX</b>	Mike Barile 26	<b>W1AJK</b>	Andrew Kazimer 25
<b>K4AVM</b>	Andrew Olsson 26	<b>KC1TSY</b>	Daniel Gessner 25	<b>W1BJG</b>	Judy Wilkins 25
<b>K5ATA</b>	Steve Goodgame 25	<b>KC1TSZ</b>	Deb Caron 26	<b>W1BRY</b>	Donald Chepurna 27
<b>K5CYN</b>	Cyndi Goodgame 25	<b>KC1TWA</b>	William Caron 25	<b>W1EDX</b>	Paul Stasieluk 25
<b>KA1BED</b>	Bill Green 26	<b>KC1TYO</b>	Ken Williams 25	<b>W1IKW</b>	Iain K White 29
<b>KA1BMF</b>	Constantino Tobio 25	<b>KC1UJP</b>	Jasy Polaski 25	<b>W1LV</b>	Steve Morley 26
<b>KA1JTG</b>	James Hartzell Jr 25	<b>KC1UJQ</b>	Mark Kirschner 25	<b>W1NDT</b>	Robert Lombardo 25
<b>KA1YZC</b>	Paul Patnoad 25	<b>KC1UJT</b>	Michael Carfi 25	<b>W1PRK</b>	James Procaccini 27

<b>KB1APO</b>	Jim Sintay 26	<b>KC1VCU</b>	John Mandeville 25	<b>W1RCI</b>	Ron Isaac Jr. 25
<b>KB1CXK</b>	Joe Clarizio 26	<b>KC1VJS</b>	Anthony Lockery 25	<b>W1RWW</b>	Bob Woodtke Jr. 25
<b>KB1EHE</b>	Eric Knight 25	<b>KC1VQY</b>	Michael Granoth 26	<b>W1TK</b>	Ron Wakefield 25
<b>KB1FGC</b>	Richard Guerrera 25	<b>KC1VRG</b>	Robert Shemo 25	<b>W1UFO</b>	Mike Cei 25
<b>KB1HAX</b>	Bill Reyor III 26	<b>KC1VSO</b>	Patricia Lentz 25	<b>W1UKX</b>	Greg Gherardi 25
<b>KB1IFZ</b>	Elsie Mathews 25	<b>KC1VUM</b>	Matthew Erff 25	<b>W1YSM</b>	Ed Snyder 25
<b>KB1JL</b>	Eric Olsson 25	<b>KC1VVC</b>	Joel Helfer 25	<b>W2OFR</b>	Mark Dickson 25
<b>KB1LWS</b>	Jeanne Gherardi 25	<b>KC1VZI</b>	Joe DePaolo 25	<b>W2TT</b>	Ross Lambert 25
<b>KB1MFU</b>	John Ramadei 25	<b>KC1WEX</b>	Len Guercia 25	<b>W3APC</b>	James Cook 25
<b>KB1RLF</b>	Steven Chapman 25	<b>KC1WFB</b>	Lloyd Saberski 25	<b>WA1BAR</b>	Michael Barr 25
<b>KB1TBL</b>	Dave Laliberte 25	<b>KC1WHD</b>	Craig Scully-Clemmons 25	<b>WA1CCQ</b>	Norman Bliss 25
<b>KB1TGS</b>	David Robinson 25	<b>KC1WNJ</b>	Joe Capuano 26	<b>WA1FFT</b>	Ray Irwin 25
<b>KB1TMC</b>	Clare O'Lena 25	<b>KC1WUZ</b>	Scott Martin 25	<b>WA1INC</b>	Roland Hamel 26
<b>KB1TTV</b>	Jonathan Martin 26	<b>KC2MLH</b>	Adam Castracane 25	<b>WA1JKR</b>	John Rogus 29
<b>KB1YFJ</b>	Glenn Couture 25	<b>KC3UKG</b>	Storm Murrell 25	<b>WA1K</b>	Jack Chapman 25
<b>KC1BQP</b>	Paul St.Amand 25	<b>KD0BMW</b>	Marty Crandall-Grela 25	<b>WA1MAC</b>	Paul Clark 25
<b>KC1CAB</b>	Frank DiTerlizzi 26	<b>KD2TLD</b>	Patrick Lacombe 25	<b>WA1SFH</b>	Douglas Sharafanowich 25
<b>KC1DOY</b>	Ted Renzoni 27	<b>KE1AU</b>	Bob Kaczor 26	<b>WA1TRY</b>	Rich Aubin L
<b>KC1HFO</b>	Johannis Stodis 25	<b>KE1AV</b>	Dave Sanford 25	<b>WA1ZVY</b>	Jim Martin 28
<b>KC1IIK</b>	Scott Mowerson 25	<b>KE2ECC</b>	Phillip Gallanti 26	<b>WB1DMK</b>	William D'Agostino 25
<b>KC1ISI</b>	Kristin Olsson 25	<b>KF6LU</b>	Andrew Buza 25	<b>WB1DQT</b>	Bill Bacon 25
<b>KC1KQH</b>	John Kasinskas 25	<b>KK7NLS</b>	John Condon Jr 25	<b>WB1GFI</b>	Stan Hiriak 25
<b>KC1MJZ</b>	Michael Berube 25	<b>KO1J</b>	Randy Whitehouse 25	<b>WB1GYZ</b>	Bob Biancur 25
<b>KC1NHE</b>	Reed Hansen 25	<b>KO4EEL</b>	Tom Williams 25	<b>WB8IMY</b>	Steve Ford 25
<b>KC1NQE</b>	Shawn Warren 25	<b>KR1U</b>	Bob Eslinger 27	<b>WJ1B</b>	Harold Kramer 27
<b>KC1NRD</b>	John Lujick 27	<b>KS1WK</b>	Seth Kolasinski 25	<b>WV2LKM</b>	Steve Waldmann 25
<b>KC1NRQ</b>	Bruce Childs 25	<b>KX1USA</b>	Rob Messercola 25	<b>WX1W</b>	Mary Duval 25
<b>KC1OCS</b>	Richard Dewick 26	<b>NOHIO</b>	David Koerner 25	<b>WY1U</b>	Tim Mik 25
<b>KC1OGL</b>	Paul Randazzo 25	<b>N1AKN</b>	Jeff Dwyer 26	<b>0</b>	Lucas Molloy Y
<b>KC1OWD</b>	Kevin Van Keuron 25	<b>N1API</b>	Al Kaiser 30	<b>0</b>	Spencer Rygiel Y
<b>KC1OYN</b>	Rick Becker 25	<b>N1BRI</b>	Brian Beegan 26		



**“Everyone you will ever meet  
knows something you don’t.”**

~Bill Nye

