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## Calendar of Events

June 3.....	Westminster ARC Hamfest Bristol, PA
June 27-28.....	ARRL Field Day
August 13-16 .....	Northeast Ham Expo Marlborough, Mass.
August 19-20.....	ARRL 10 GHz & Up CQ Contest
August 22.....	Ohio QSO Party
October 24.....	CQWW SSB Party

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*Scribblings Of The*

# *Scribe*

*Bill Clark - Minutes Recorder*

*May 2026 Meeting Minutes*

*Brief Summary Below - See also Pg. 3*

During the meeting we reflected on the well attended memorial service for Ken Lanoue, N1RZ. We are pleased to announce that Ken's wife and daughter plan to join us at Field Day this year.

### **Field Day Preparations and Logistics**

We have finalized the schedule and discussed Fox Hunting, including a review of the antennas Randy (N1SP) assembled for the club.

Regarding expenses, we are seeking donations to cover the \$148.10 cost for portable toilet delivery from All Out Waste. While food costs are already covered, you are welcome to bring a dish to share

### **The Weekend Menu Includes:**

Saturday Brunch: Hot dogs, hamburgers and Bratwursts  
 Sunday Breakfast: Eggs, bacon, sausage and bagels.

**Continuation of Calendar & Minutes, Pg 7-8.**

## Featured Equipment of the Month



The IC-7610 HF/50 MHz All Mode Transceiver is Icom's second tier, dual receiver, direct sampling, 100 watt beauty. It features an obligatory internal ATU, a 7 inch color touch screen for the waterfall, tuning, and menu displays. RMDR or Reciprocal Mixing Dynamic Range on this receiver is a range of 110 db which is quite good. The RMDR measures a receiver's ability to pick out a faint signal in the presence of strong adjacent signals, this one rivaling the performance of some top-of-the-line transceivers.

Like most internal ATUs, this one memorizes its settings based on your transmit frequency. It can recall the tuner settings when you switch bands. Also, an almost expected feature, the emergency tuner function reduces power levels automatically, enabling you to operate short periods with an antenna which has a high SWR.

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With its completely independent dual receivers and other specification tweaks, its price is in the \$3300.00 vicinity.

# RMDR Numbers in Current HF Radios

## Is there relevance in the numbers?

I'm acquiring more knowledge every day with research and through my mentor. I see my role as a gatherer and presenter of content which you folks will find relevant to your Amateur Radio lives. But I need to know more. On the previous page, Icom's IC-7610 touted some **RMDR** figures which are high, and lend themselves to an enjoyable experience. I viewed them as impressive, especially compared to HF transceivers of 10 years ago, but wondered if you considered those statistics any more than numbers to be thrown around. So with internet magnifying glass in hand, I set to find out more. What does it mean?

**Understanding Dynamic Range:** “**RMDR** is not the same as dynamic range. They are different measurements used to evaluate receiver performance I saw these numbers discussed a lot. Dynamic Range refers to the difference in decibels (DB) between the strongest and weakest signals that a receiver can hear. A higher dynamic range indicates a better ability to handle a wide range of signal strengths, from very weak signals Minimum Discernable Signal, (MDS) to very strong signals.”

**Understanding RMDR:** “**RMDR** (Reciprocal Mixing Dynamic Range) specifically measures the performance of a receiver in the presence of strong adjacent signals. It quantifies how well a receiver can handle interference from nearby signals, particularly in superheterodyne receivers where local oscillator (LO) phase noise can mix with strong signals to create unwanted noise.” Confused yet? Still curious?

### Key Differences

1. **Definition:** “**Dynamic Range** is a general measure of a receiver's ability to process signals of varying strengths. **RMDR** focuses on the impact of reciprocal mixing, particularly how LO phase noise affects the receivers ability to discern signals in crowded frequency environments.”
2. **Application:** “**Dynamic Range** is used to evaluate overall receiver performance across a range of conditions. **RMDR** is particularly important in scenarios where strong off channel signals may interfere with desired signals, making it a critical measurement for assessing receiver quality in specific applications like ham radio.”

3. Measurement context: **“Dynamic Range** is often reported as a single value indicating the range of signal strengths a receiver can handle. **RMDR** is typically reported at specific frequency offsets and is influenced by the design and quality of the receiver’s local oscillator.”

“In summary, while RMDR and Dynamic Range are important for evaluating receiver performance, they measure different aspects and should not be used interchangeably. Understanding these differences can help in selecting the right equipment for specific applications.”  
Not as confused?

**Among Icom’s equipment, this summary states it simply:  
: “The IC-7851 leads in RMDR performance, followed closely by the IC-7610, the IC7300, and IC-7600, showing excellent midclass performance.”**

**Considering Yaesu’s transceivers, this summary spells it out:  
“The Yaesu-710AESS tests report –107 DB to –113 DB depending on conditions.”**

**“The FTDX-10 scores number 2 on Sherwood Engineering’s list of top tier radios based on RMDR (Reciprocal Mixing Dynamic Range) of –107 DB.”**

**Rating Kenwood’s equipment, this report delineates their best RMDR stats: “Kenwood TS-890 –105 DB RMDR, widely regarded as the best HF rig for contesting and DX.”**

**Kenwood TS-590SG –104 DB, excellent value for money, often cited in “best bang for the buck analyses.”**

**“Kenwood TS-990S –105 DB RMDR, high-end performance with advanced noise mitigation.”**

Many hams bear out a truth often expressed: It all comes down to the transceiver which has the best sound for you under conditions you use it.

- 4 The closest stats to RMDR are found in the LO Noise column of Sherwood Engineering Labs comparison charts. Subtract 27 from those figures for RMDR. Nearly every transceiver made and tested is listed there. Copy/Paste the Sherwood URL to your browser to view the numbers.  
<http://www.sherweng.com/table.html>

# Dysfunctional Hyperlinks

On Page 4 I attempted to use a HYPERLINK to unite the RMDR article with the Sherwood Laboratories charts. It seemed that no matter how Chuck Watson, WA1NBU, or I tried to convert the (.pub) copy to a PDF, the hyperlink would not function. Alas, Co Pilot admitted Publisher had real problems with hyperlinks. Below is the verdict. I had spent three weeks trying to master a feature you gentlemen would have found convenient.

Co Pilot

## Why Microsoft Publisher Doesn't Fully Support Hyperlinks

Microsoft Publisher does support hyperlinks — you can create them to lead to websites, email addresses, or other pages in your document — but there are **limitations and quirks** that can make them seem “unsupported” or unreliable.

### 1. Limited hyperlink types and formatting

Publisher's hyperlink feature is designed for basic linking, not the rich hyperlink handling found in Word or Excel. You can't embed complex hyperlink fields or dynamic links like in Word's “Field” hyperlink. The display text is fixed to the selection you choose, and you can't easily change it without editing the text itself.

### 2. URL encoding issues

A common problem is that URLs may be corrupted or encoded incorrectly. For example, spaces in URLs can be converted to %20 in the hyperlink address, which breaks the link. This happens if you copy-paste URLs with trailing spaces or invisible characters [Tek-Tips Forums](#). Always paste URLs directly from the source and check for extra spaces.

### 3. Internal link behavior

When linking to other pages in the same Publisher document, the link may not update automatically if the page or bookmark is moved or deleted. You must manually edit the hyperlink to point to the correct bookmark or page [Microsoft Support](#).

### 4. Publishing and web export quirks

When publishing a website, Publisher uploads a subfolder (`index_files`) containing all linked pages except the home page. If the home page is missing or the links are misconfigured, hyperlinks may fail. Also, some links may not be published if the file wasn't published correctly.



## SDR Seminars at WPI

05/08/2026

“The Boston Software Defined Radio User Group, SDR of Boston, is hosting the New England Workshop for Software Defined Radio 2026, June 4 and 5 at Worcester Polytechnic Institute (WPI) in Worcester, Massachusetts.” Classes are out for the summer but hams will be there.

“The primary goal of this workshop is to provide a forum that enables software defined radio (SDR) enthusiasts to get together, collaborate, and introduce SDR concepts to those interested in furthering their knowledge of SDR capabilities and available resources. NEWSDR 2026 welcomes experienced SDR enthusiasts as well as individuals who are interested in getting started with SDR.”

“John Swoboda, PHD., Geospace Research Scientist at the Massachusetts Institute of Technology Haystack Observatory, said the two day event is open to all amateur radio operators who want to learn about SDR. This is an opportunity...to explore more opportunities...using SDR, how it works, and the advantages of SDR technology,” said Swoboda. “You don’t have to quit using the tactile touch of tuning a transceiver or give up tubes. SDR still has all of those familiar functions.”

“The keynote speaker this year is ARRL Member Gregory Charvat, N8ZRY. A radar expert in his professional life, he operates SSB equipment that he has designed/built from scratch and vintage gear that he has restored. His work has been featured in QST magazine, on Hackaday, and many other publications. Charvat is a Senior Member of the Institute of Electrical Engineers (IEE). His YouTube channel is [Gregory Charvat - YouTube.](#)”

“NEWSDR 2026 will be held at WPI, 100 Institute Road, Worcester, Massachusetts. The main event is scheduled for Friday, June 5, 2026, 8:00 AM to 5:00 PM (Eastern). Tutorials are scheduled Thursday, June 4, 5:00 to 9:00 PM (Eastern). Attendance is free, but advance registration is required. Visit [newsdr.org/workshops/newsdr-2026/](https://newsdr.org/workshops/newsdr-2026/)”

- 6 I must admit, this article appears here because my son teaches at WPI in Worcester, Mass. as a professor of Biology and Physiology, and the Institute is to be the cite of this “seminar” on SDR technology on June 4-5. The mention of WPI instinctively piqued my curiosity.

# Calendar of Events

Continued from Page 1

All upcoming events listed on Page 1. Below, a detailed Events Page.

## Upcoming Events:

Field Day Prep Meeting June 17  
5:00 PM (At the Deer Park on  
Veteran's Memorial Drive,  
Bennington, Vermont)

Meeting at Mike's store June 26  
at 2:00 PM (Union Street)

Field Day June 27-28 (207 Holy  
Smoke Road, Shaftsbury, VT  
The event begins at 18:00 UTC  
and ends Sunday at 20:59 UTC.

POTA at South Stream Waterfowl  
on July 11 at 10:00 AM.  
(Look for the SOVARC sign)

Going forward, SOVARC meetings  
will be held at Masonic Lodge  
Building, 504 Main Street, Benning-  
ton. The next meeting will be on  
July 22, 2026 at 7:00 PM.

**August 13-16** The Federation of Eastern Massachusetts Amateur Radio Associations (FEMARA) is sponsoring the **Northeast Ham Expo** In Marlborough, Mass. Manufacturer's presentations, vendors, flea markets, a Youth Forum. Right out side of Boston. There were nearly 2,000 participants in 2025.

**August 16-17 The ARRL 10 GHz And Up Contest** Contesting with these hams involves specialized transceivers, and incredibly specialized antennas in the form of microwave dishes and horns. Their QSOs are in the range of 100 KM under good conditions. They are encouraged to pack their equipment, travel by vehicle, and communicate at many locations if possible, during the contest period.

**August 23 Ohio QSO Party** The contest period extends from 12:00 EDT (Noon) Saturday to 24:00 EDT (Midnight) Sunday. Non-Ohio stations may work only Ohio stations, while Ohio stations may work anyone.

**CQWW Contest** October 24-25 (SSB) and November 28-29 (CW) Is the largest Amateur Radio competition in the world. Over 35,000 participants take to the air waves on the last weekend of October on SSB and November on CW with the goal of making as many contacts with as many different DXCC entities and CQ zones.

## **Bill, I was thinking of the Club doing a.....**

With future activities in mind, we really need to hear from you folks with ideas you would like to see the club plan. We are thinking of a Fox and Hounds experiment. 2026 Field Day is a June tradition. This year's F.D. will revolve around operating fun, not concentrating on point earning entirely. We do have a venue to enjoy at Hain's barn on Holy Smoke Road in Shaftsbury.

Do you have some thoughts for a field trip, a project evening, a skills seminar, a chance to join another club in the vicinity? There are Hamfests, ARRL Headquarters tours, and videos to watch on a million Ham Radio related topics. The variety boggles the mind. Be in thought.

## ARRL Field Day A History

In a few weeks, we Radio Amateurs in our local radio club will assemble at a wonderful location and participate in a time honored tradition held every June. Every club gathers on the same date in June all over the world, and starts and ends on the same moment.

How it started, and for what reason, is history for us. ARRL Field Day began in 1933 as a nationwide test of emergency communication skills and has become the largest annual amateur radio event in North America.

### **Origins and Purpose**

“The first ARRL Field Day was held On June 22-23, 1933 organized by The American Radio Relay League Under the guidance of F.E. Handy. It was designed to encourage emergency preparedness and promote outdoor portable operations among amateur radio operators. Participants set up temporary stations in various locations simulating emergency conditions to practice communications skills and test equipment. The event emphasized the use of emergency alternative power sources reflecting the reality that electricity and public Infrastructure often fail during natural disasters.”

### **Growth and Significance**

“Since its inception Field Day has grown into the largest single emergency preparedness exercise in the United States, with over 30,000 operators participating annually. It is held every year on the fourth full weekend of June, beginning at 18:00 UTC Saturday and running through 20:59 UTC Sunday. The event combines public service, technical skill development, and community outreach, making it both a practical exercise and social gathering for amateur radio enthusiasts.”

### **Activities and Format**

“Field Day operations typically last 24 continuous hours, requiring scheduled relief operators to maintain stations on the air. Participants often operate in tents in remote areas or inside emergency operations centers (EOCs). The event includes a competitive component, awarding points for contacts, experimenting with unusual modes, satellite communications and youth involvement is all part of it. Many clubs combine leisure activities such as camping and cookouts, fostering camaraderie and mentorship within the amateur community.”

### **Legacy**

“Over the decades, ARRL Field Day has become a cornerstone

## **SOVARC DIRECTORY**

### **Club Officers**

President  
**Bill Clark-W1BVT**

Vice President  
**Randy Horn-N1SP**

Treasurer & Facebook Coordinator  
**Nathan Mazanek-K1MAZ**

Secretary  
**Bob Collins-KB1NFQ**

Repeater Manager  
**Chuck Watson-WA1NBU**  
SOVARC Repeater K1SV 146.835 mHz  
PL Tone-100.00 Hz

Website Coordinator  
**George Jounakos-K2KVI**

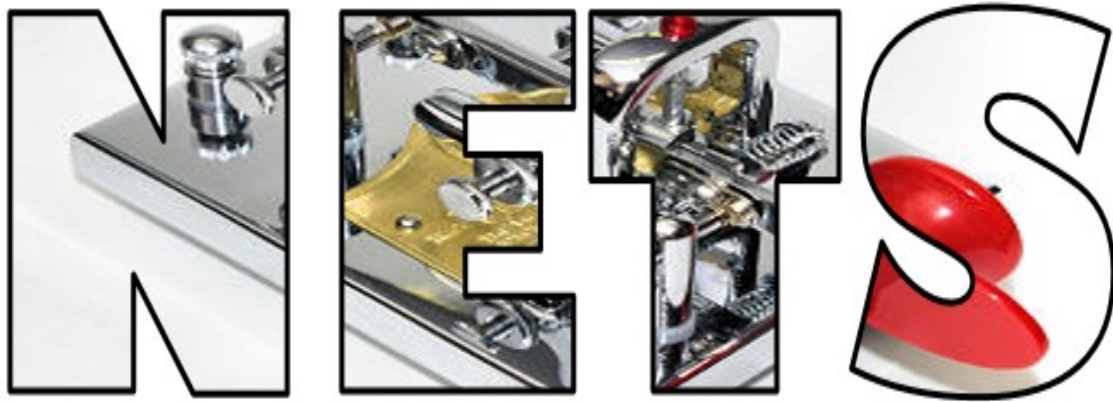
Equipment Quartermaster  
**Alden Jones-KC1JWR**

SOVARC Membership is \$25.00 annually  
Payable at our meetings or send to:  
**Nathan Mazanek-K1MAZ**

Editor: "The SOVARC Report"  
**Bob Collins-KB1NFQ**

## **SOVARC Member List**

Al Margadonna-KA1IEG  
Alan Shephard-WK8W  
Alden Jones-KC1JWR  
Anthony Bartholdi-KC1GGA  
Art Haytko-K2IIR  
Billy Martin-KE6EHU  
Bill Clark-W1BVT  
Bob Collins-KB1NFQ  
Bob Hain-WA2VYZ  
Chuck Watson-WA1NBU  
Dave Latchum-W1VR  
Dave Lubinski-N1VNV  
Ed Evans-KC1QJR  
Frank Pulaski-WT1B  
George Jounakos-K2KVI  
Glenn Burt-KA2DTH  
Heather Rigney-KC1PMR  
Ian Foist-KC1VRY  
John Blandford  
John Colt-NV1V  
Jon Meigs-WB1AJJ  
Josh O'Bourne-N1ZGA  
Kerry McCall  
Nate Mazanek-K1MAZ  
Paul Gayet-AA1SU  
Peter Hayes-K2AEP  
Randy Horn-N1SP  
Robert Elias-K1PLK  
Robert Nowak-KI4JQD  
Roland Stiner-NK2U  
Ron Wonderlick-AG1W  
Roy Mattison-N1TBB  
Teddy Vincent-W2RRU  
Tom Woodson-N4PXB



Two Days of the Week are Important to all SOVARC Members.

Sunday evening is the 10 Meter Net hosted by Chuck Watson, WA1NBU each week at 28.333 mHz at 8:00 PM.

Monday Evening is the 2 Meter ARES Net hosted by Bob Collins, KB1NFQ each week at 146.835 mHz (PL Tone 100 hz) at 7:00 PM.

It goes without saying that on the Fourth Wednesday of each month the official SOVARC meeting is held at the Bennington Firehouse on 130 River Street at 7:00 PM.

All hams are welcome!

# ARES NET



The Bennington County ARES District 5 Net is held every Monday evening at 7:00 PM on the SOVARC 146.835 mHz repeater. Access to the repeater requires programming a 100 Hz PL tone. All ARES group members should be occasionally taking a turn as "Net Controller. The opportunity is great for the preparedness of the net.

W1BVT, Bill Clark,  
was the District  
Emergency Coordinator.



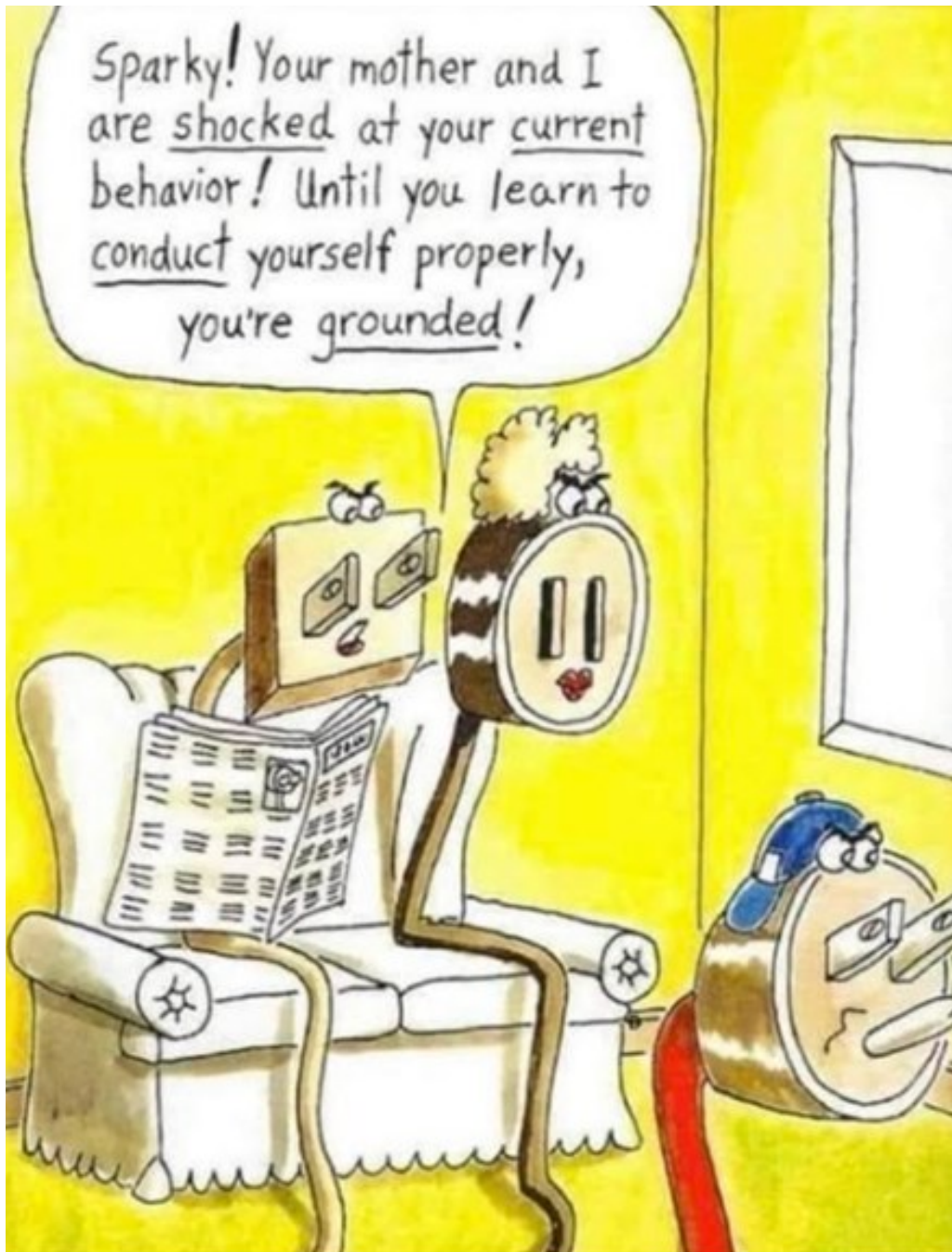
**Remember the  
100 Hz PL Tone.**

# What is ARES?

The Amateur Radio Emergency Service (ARES) consists of licensed amateurs who have voluntarily registered, their qualifications and equipment for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization, is eligible in the ARES. The only qualifications, other than possession of an Amateur Radio license, is a sincere desire to serve. Because ARES is an amateur service, only amateurs are eligible for membership. The possession of emergency powered equipment is desirable, but not a requirement for membership.

There are four levels of ARES organization: National, Section, District, and Local are the designations. National emergency coordination at ARRL Headquarters is under the supervision of the ARRL Field and Educational Services Manager, who is responsible for advising all ARES officials regarding their problems, maintaining contact with federal government officials concerned with amateur emergency communications potential, and in general with carrying out the League's policies regarding emergency communications.





Points to Ponder...

I almost had a psychic girlfriend.....but she left me before we met.

How do you tell if you're out of invisible ink?

**13** Why do psychics have to ask you for your name?

of the amateur radio community, highlighting the importance of readiness, technical proficiency and public service. It remains a highly anticipated event, often described as “The Super Bowl of Ham Radio” where operators demonstrate their ability to communicate under challenging conditions while engaging the public and mentoring new comers. Field Day continues to evolve, integrating modern technologies, while maintaining its original focus on emergency preparedness and community engagement.”

Information provided by Wikipedia, Microsoft Pilot, and the American Radio Relay League,org.



## EDITOR'S NOTES

Hoping all is well SOVARC folks, I have been fascinated by the development of technology which makes our lives more productive, and in most cases easier. We all have.

We fell in love with radios and adopted Amateur Radio as one of our most meaningful hobbies. Our computers and telephone technology changed our lives. But, there is one invention which is proving magic as well as a darn pain in the neck.

A.I. powered conversations have eliminated the need for a helpful, employed person on the phone. When I first encountered a **software being** I think I was in a conversation with Pay Pal. Instead of a Malaysian helper, I was greeted by a voice which knew everything, was polite, but fooled me into thinking I was talking to a real person. Soon, she betrayed herself by repeating what I was asking. It didn't go well. Long story short, we have eliminated Pay Pal. She listened...couldn't think.

The next time, I was talking to Social Security and Pearl Robot entered my life. Again she tried to help, agreed with what I was saying but didn't aid me one bit. Then came the kicker. "I know this can be frustrating," she said. How could you, without a brain or a soul, know a thing about frustration. **She did reply** after a pause. "Robert, is there anything else I can help you with?"

Bob KB1NFQ

# This Month in QST

A lot of content is submitted to our QST publisher prior to every month's issue. The advertisers smack their lips at the opportunity to tempt us hams with their latest gear and publications. The staff writers write some excellent, thought provoking articles as well. We all devour what is to our interests in every issue. Below are a few articles which are timely, so your Editor noted ones you might enjoy in the June issue.

Page 30 Utility company RFI: Tracking down shack interference/noise.

Page 35 Dynamic Range measurements in receiver specs. Examines BDR (Blocking Dynamic Range) and how BDR and RMDR (Reciprocal Mixing Dynamic Range) receivers are related.

Page 52 The Crux of Field Day Pooling your club's members skills and experiences to operate efficiently at Field Day.

Page 54 Large Scale Field Day organizations. Features a 200 member F.D. operation in California.

Page 56 ARES Future Proofing: Working with your community's local agencies to extend you club outreach.

Page 57 Field Day 2026 Guide Several other articles related to Field Day.

# Communication from Northern Berkshire Amateur Radio Club - Courtesy Randy Horn, N1SP

Re: SOVARC Invitation

Randy Horn

Thanks Corey,

I will be there (as usual) and pass the info to our club secretary for our newsletter.

73,

Randy Horn, N1SP  
VP SOVARC

On Thu, May 28 2026 1:01 PM Cory Adelt <k1sv@sovarc.org> wrote:

From Corey Adelt <coreyfdar@gmail.com>  
Subject: Invitation

Subject Body:

Dear Fellow Amateur Radio Club Members,  
On behalf of the Northern Berkshire Amateur Radio Club, we would like to extend a warm invitation to your club and members to attend our upcoming Hamfest. Our Hamfest is a great opportunity for amateur radio operators, families, and radio enthusiasts to come together for a day of fellowship, networking, and fun. Attendees will have a chance to browse vendor tables, radio equipment, electronics, accessories, and connect with fellow operators from across the region. We welcome clubs to attend as a group, set up informational displays, promote upcoming events, and enjoy the camaraderie that makes community so special.

Event details are as follows:

Northern Berkshire Amateur Radio Club Hamfest

Date: \_\_\_\_\_ August 23 \_\_\_\_\_

Time: \_\_\_\_\_ 7:00 AM \_\_\_\_\_

Location: \_\_\_\_ Adams, Massachusetts \_\_\_\_ -

Features may include:

Amateur Radio equipment and electronics vendors

Tailgating and flea market tables

Club information and networking

Door Prizes and raffles

Food and refreshments

Educational demonstration and activities

We would greatly appreciate it if you could share this invitation with your members and help us spread the word throught the amateur radio community.

Thank you for your continued support of Amateur Radio and spirit of cooperation between clubs. We hope to see you at our Hamfest.

# Mobile Magic

A wonderful photo from Art Haytko, K2IIR, showing a collector's Icom IC-7000 Transceiver, mounted securely to the floor of his car of choice. Multi-band capability, it opens up miles of mobile communications ahead. Thanks, Art.



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Gentlemen, share your favorite ham views with us.  
[rgcbjc@gmail.com](mailto:rgcbjc@gmail.com)

The SOVARC Report  
Southern Vermont Amateur Radio Club  
Bob Collins - KB1NFQ Editor  
12 Greenview Drive  
Bennington, VT 05201  
Email: [rgcbjc@gmail.com](mailto:rgcbjc@gmail.com)



**“Me and the guys just hangin around on the branch. Frog-et about anything else and hop over to the SOVARC nets on a Sunday or Monday night. Ya’ll meet some cool folks.... Oops, I’m slipping. I hate bamboo.”**

### Next SOVARC Sponsored

VE Exam Session  
To Be Announced

Bennington Firehouse  
Bennington, VT 05201

Please bring the following items:  
Pen, Pencil, Photo ID, and copy of  
current license  
(if licensed)  
All originals CSCE’s,  
Check for exam cost.

For additional information contact:

**Bill Clark-W1BVT**  
[w1bvt@hotmail.com](mailto:w1bvt@hotmail.com)

●Next SOVARC Meeting●  
Join Us At F.D. Prep Meeting  
(At the Deer Park on Veteran’s  
Memorial Drive, Bennington, VT)  
at 5:00 PM June 17, 2026

Regular SOVARC Club Meetings are held on the fourth Wednesday of each month at 7:00 PM at the Masonic Lodge Building 504 Main St. Bennington, VT. Meetings are open to anyone with an interest in Ham Radio.

For more information contact:

**Bill Clark-W1BVT**  
[w1bvt@hotmail.com](mailto:w1bvt@hotmail.com)