

443.300 – Plus offset (5 MHz), tone 67 Hz
145.430 – Minus offset (600 kHz), tone 67 Hz
146.460 – Plus offset (1 MHz), tone 67 Hz
146.685 – Minus offset (600KHz) DMR



VE Testing Policies; test sessions begin at 6PM – just prior to the 7PM monthly meeting on the 3rd Tuesday of each month.



SMRA AMATEUR RADIO CLUB

WWW.N3TWT.ORG

JEFF KISNER, W3JWK - VICE PRESIDENT'S MESSAGE

TUESDAY 17 FEB 2026 AT 7:00 PM

GENERAL SMRA MONTHLY MEMBERSHIP MEETING

ALSO STREAMED ON ZOOM

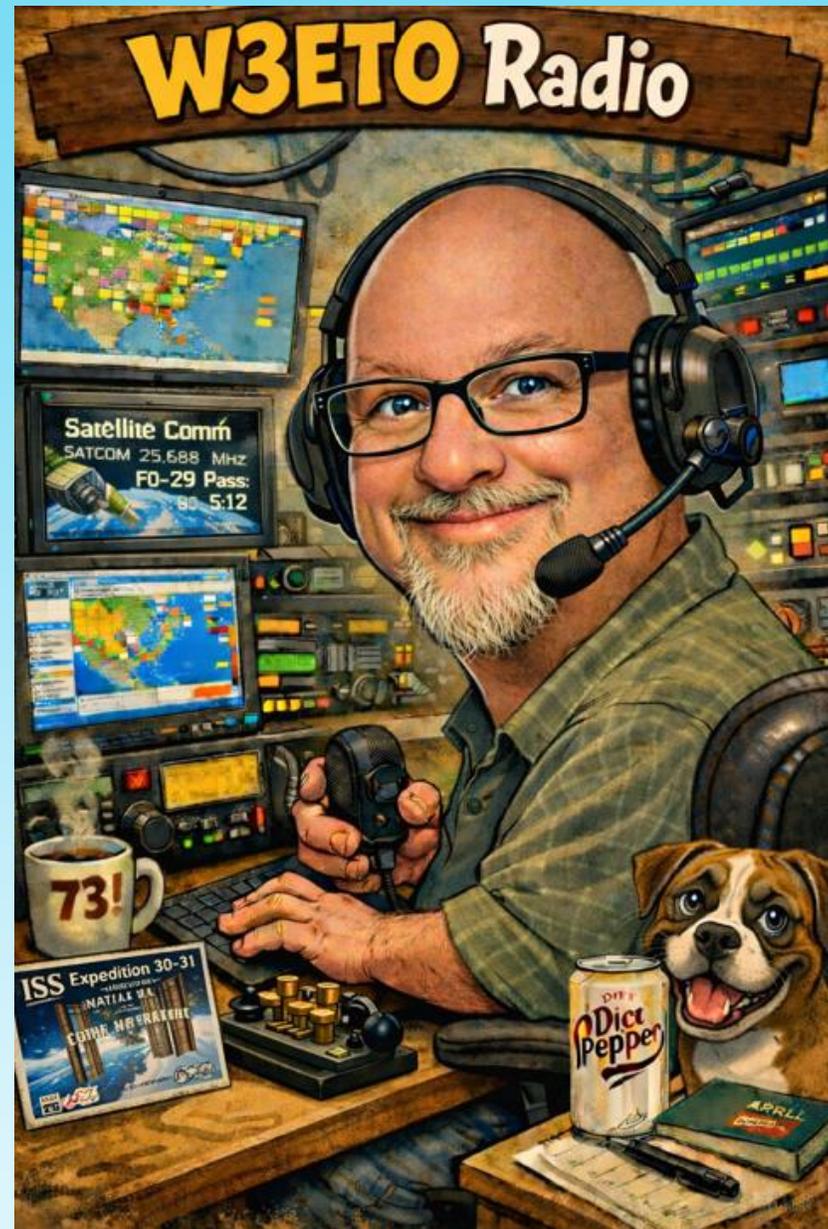
CALL TO ORDER

- ▶ Recognition of guests
- ▶ New member applications
- ▶ Acceptance of new members

- ▶ New Members: We use the message system Groups.io for communicating to members. You will see a request to join SMRA.Groups.io

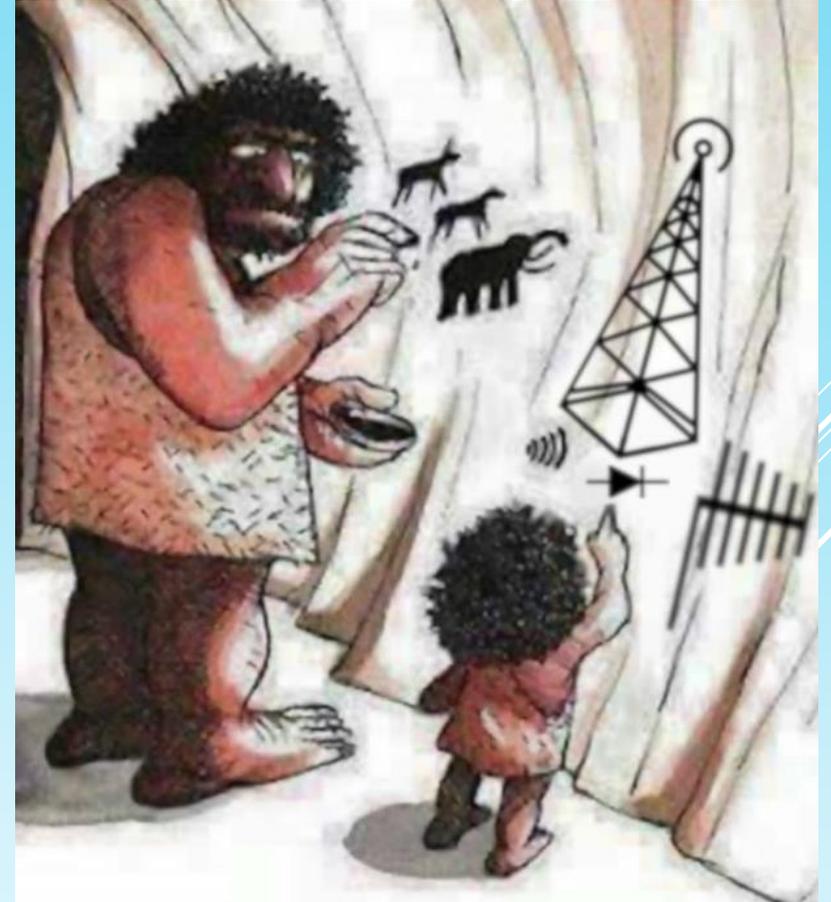


FUN WITH AI



TONIGHT:

- ▶ Dues
- ▶ Presentation: Pillars of Radio
- ▶ Election Update
- ▶ Project Updates
- ▶ SMRA Wear Gear Merch!
- ▶ Shack-of-the-Month or Gadget of the Month
- ▶ Emcomm/ARES
- ▶ Website
- ▶ Winter Field Day AAR
- ▶ Officers report
- ▶ Nets
- ▶ Announcements, Contests and Events
- ▶ Around the Room – as time permits



SMRA DUES:

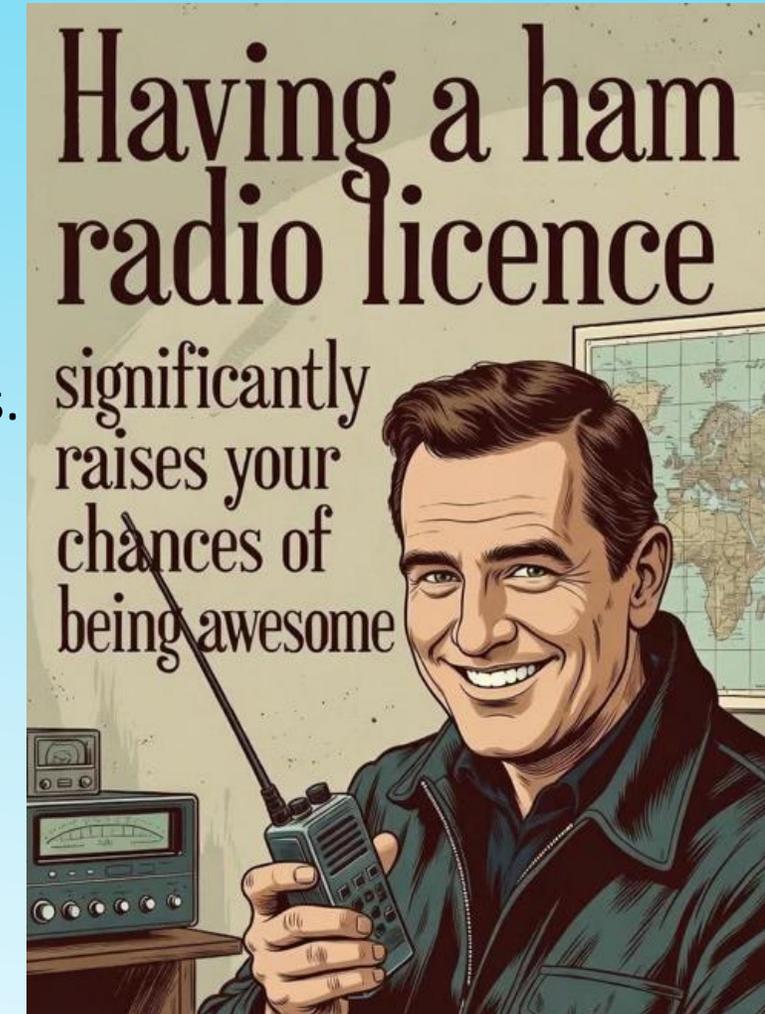
- ▶ Due on the **last day of February 2026**
- ▶ Easy to Pay on the Club Website: <https://n3twt.org/renew-membership-2>
- ▶ Sign in is current, so if you are **RED**, you owe dues for the year.
- ▶ Dues: **\$10.00 via PayPal** on our website or \$12.00 by check*.
 - ▶ **PayPal** is preferred and much easier for the club.
- ▶ Family dues: \$18.00
- ▶ Lifetime dues: \$100.00 ***** Best deal going.**
- ▶ Lifetime family dues: \$140.00

*Mail your \$12.00 Check to:

South Mountain Radio Amateurs c/o Mike Giordano-K3ESQ,
221 West Main Street, Mechanicsburg, PA 17055.

GROUPS.IO FOR SMRA CLUB INFO:

- ▶ We have a great number of unique SMRA sub-groups on Groups.io
- ▶ Members may not know about them
 - ▶ NOTE: Groups.io emails can easily be blocked by SPAM Blockers.
- ▶ Don't need to email all groups, the same content.
- ▶ **SMRA@Groups.io – Goes to everyone.**
 - ▶ Announcements, Events, Interesting HAM radio news
 - ▶ Discussion and Questions welcome
 - ▶ **Are you on this group and receiving emails?**



PRESENTATIONS: HUGH IRWIN K3ECT

Pillars of Radio



2026 PRESENTATIONS:

Meeting Date	Presentation Topic / Title	Name	Call Sign
1/20/2026	Surface Mount Components	Jeff Orner	W3JKO
2/17/2026	Pillars of Radio	Hugh Irwin	K3ECT
3/17/2026	Hexbeam Antennas	Jerry Sodus	KM3K
4/21/2026	Balloon Launching	Dick Goodman	WA3USG
5/19/2026	Winlink Part 1	Andrew Mummert	W3AND
6/16/2026	Winlink Part 2	Andrew Mummert	W3AND
7/21/2026	Testing a Yagi/directional Antenna	Hugh Irwin	K3ECT
8/18/2026	Intro to Fox Hunting	Rick Stoner	KC3DRU
9/15/2026	Making a Go-Box / Go-Bag	Sean Schulze	KC3YWX
10/20/2026	Getting Started with CW	Emily Saldaña	WC3R
11/17/2026	EME Moon Bouce	John Jaminet	W3HMS
12/15/2026	Restoring a used radio from Ebay	Chaz Smith	KB3ZPB
1/19/2027	Setting up Ham Dashboard (VA3HDL)	Jeff Kisner	W3JWK

BOARD ELECTIONS RESULTS

Name	Call	Title	Term Ends
Ed Otto	W3ETO	President	2026
Jeff Kisner	W3JWK	V.P.	2027
Bob Single	N3ACP	Trustee/Net Coordinator	2027
Sean Schulze	KC3YWX	Recording Sec.	2027
Mike Giordano	K3ESQ	Treasurer	2026
Gary Cribbs	K3MGB	Director	2026
Brendan McGowen	KC3VEB	PIO, Web, Facebook	2026
Tracey Richard	WE3H	Membership	2027

Candidates 2026

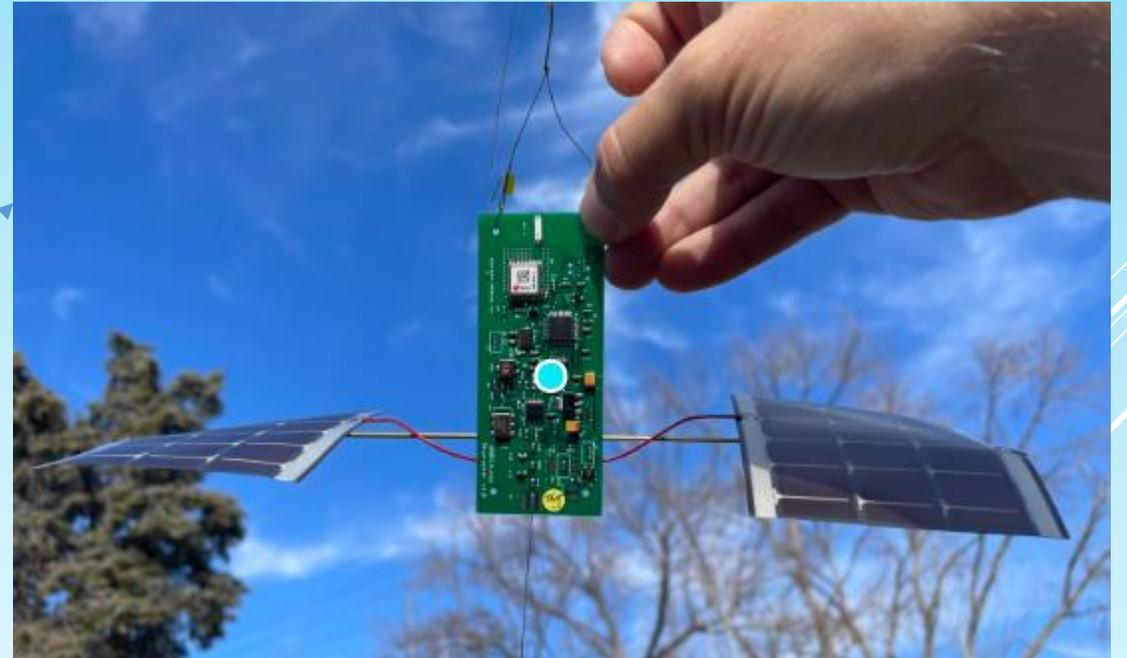
- Jeff Kisner
- Bob Single
- Tracey Richard
- Sean Schulze
- Write in:Chaz

INFO:

APRS Balloon Launch

Update

- Balloons – Received ✓
 - APRS 2 Lite Board – Ordered ✓
 - Solar Panels – Ordered ✓
 - Super-Capacitors – donated ✓
 - Programming??
 - H or He??
-
- **Interested in Joining the Build Group Email**
W3ETOradio@gmail.com



INFO:

EOC Upgrades

Update

- Upgrades Approved!!
- County sent forward to Funding
- Once awarded, Team will purchase materials
- Quote approved.
 - County pays labor
 - We pay cable and connectors
- This will greatly improve our capabilities in the county.
 - **AND---Be able to Demo Radios in the Conference room!**
- BL: Ed, W3ETO, Met with EOC on better integration and uses for SMRA Emcomm/RACES Members. More trainings and involvement coming soon.



INFO:

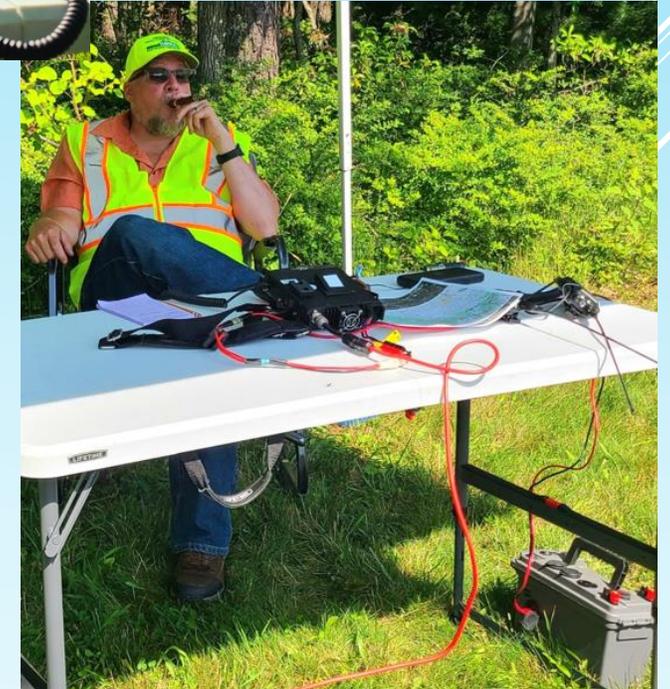
SMRA Shirts and other Merch

- Thank you SMRA! Good number of orders submitted!
- Orders closed at this time
- Members can order on their own.
- Thank you! Gary Cribbs,
wiscoman@pm.me for coordinating
[this event.](#)



COMMS: Motorcycle Events 2026

- **June 20** - DeVal Michaux Duel sport
- **June 27 - 28** - Oxbo Haresramble
- **July 19** - DeVal Foggy Mountain Enduro
- **Sept 13** - SPER Michaux Enduro



DATES TO REMEMBER:

- **26 June** – Carlisle Summer Fair and SMRA booth setup at the EOC
- **27 – 28 June** – SMRA Field Day!!!
Bring Friends – Volunteer – Advertise Participate – Have Fun
- **4 AUG** – National Night Out – Shooting for Carlisle this year!



VOLUNTEERS NEEDED:

SMRA is one of the most active clubs in this area. We do an amazing number of monthly activities to keep members engaged, learning and exploring. To keep these fun activities going we need members to step forward take charge of an activity and assist.

- Ham Breakfasts
- Meet the Mentor (MTM) **
- Emergency Comms **
- Project Builds **
- Teaching and Testing FCC Licensees
- QRP Outings **
- Field Day **
- National Night Out and Community engagements
- Motorcycle Emergency communications in Forests

** Actively looking – Give back!



NEW MAGAZINE AND RESOURCES:

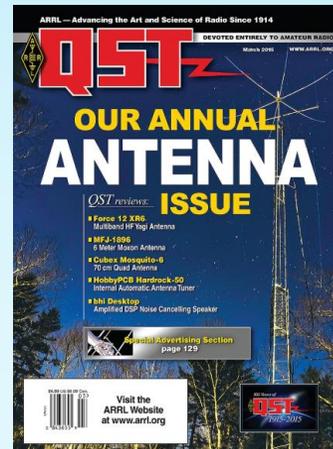
- ▶ 1) **SWR Magazine**– Free! and good for all HAMs
 - ▶ <https://swrmagazine.org/>
- ▶ 2) Amateur Radio News Line (~20 Minutes weekly)
 - ▶ <https://www.arnewsline.org/>



- ▶ 3) Join ARRL Several Magazines Online:

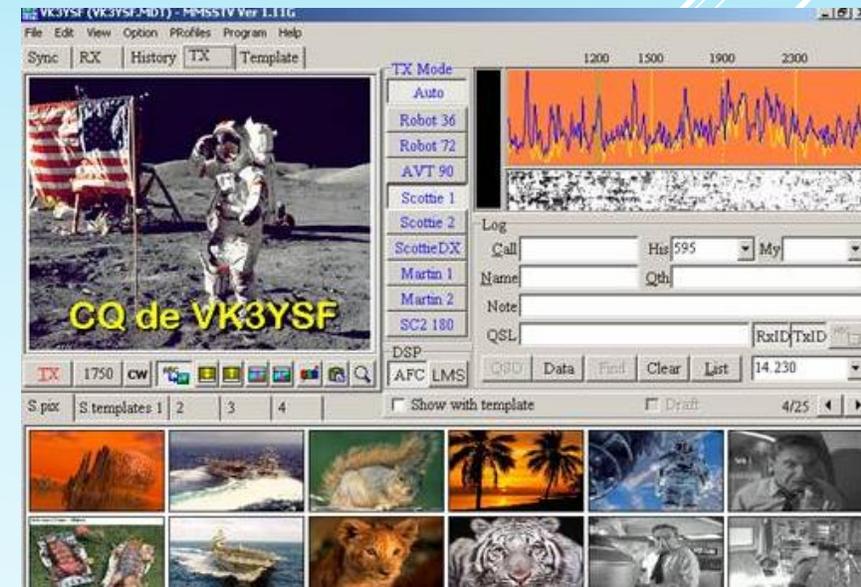
New HAMs – On The Air
All HAMS – QST Magazine
Special – QEX
Contesting – NCJ

** Get all online with membership or pay for paper magazine



NEW SMRA NETS:

- ▶ 1) **Monday Night Net** – Test your Radio, Get Club info
- ▶ 2) **The Elmer TechNet** on Monday Nights following our Net
 - ▶ Ask Questions and discuss radio
 - ▶ Everyone has something to contribute!
- ▶ **Wednesday Morning Humpday RagChew 0900**
 - ▶ Just talk and make friends- make conversation
 - ▶ No net control – Enjoy Radio!
 - ▶ Lambs Gap Repeater 443.30MHz, Tone 67
- ▶ 3) **Digital Net** on Sunday Nights 1900-2000
 - ▶ SMRA .43 Repeater on alternating weeks with York Club Repeater
 - ▶ York Repeater – 146.970, -6KHz (tone 127.3 (better coverage) or 123



The Shack of the Month

- ▶ Can be **simple** or **complex**
- ▶ Gives members ideas on building or modifying their shack
- ▶ Volunteer!!
- ▶ Just send me a few photos to put into the monthly presentation.
- ▶ Discuss it at the meeting.



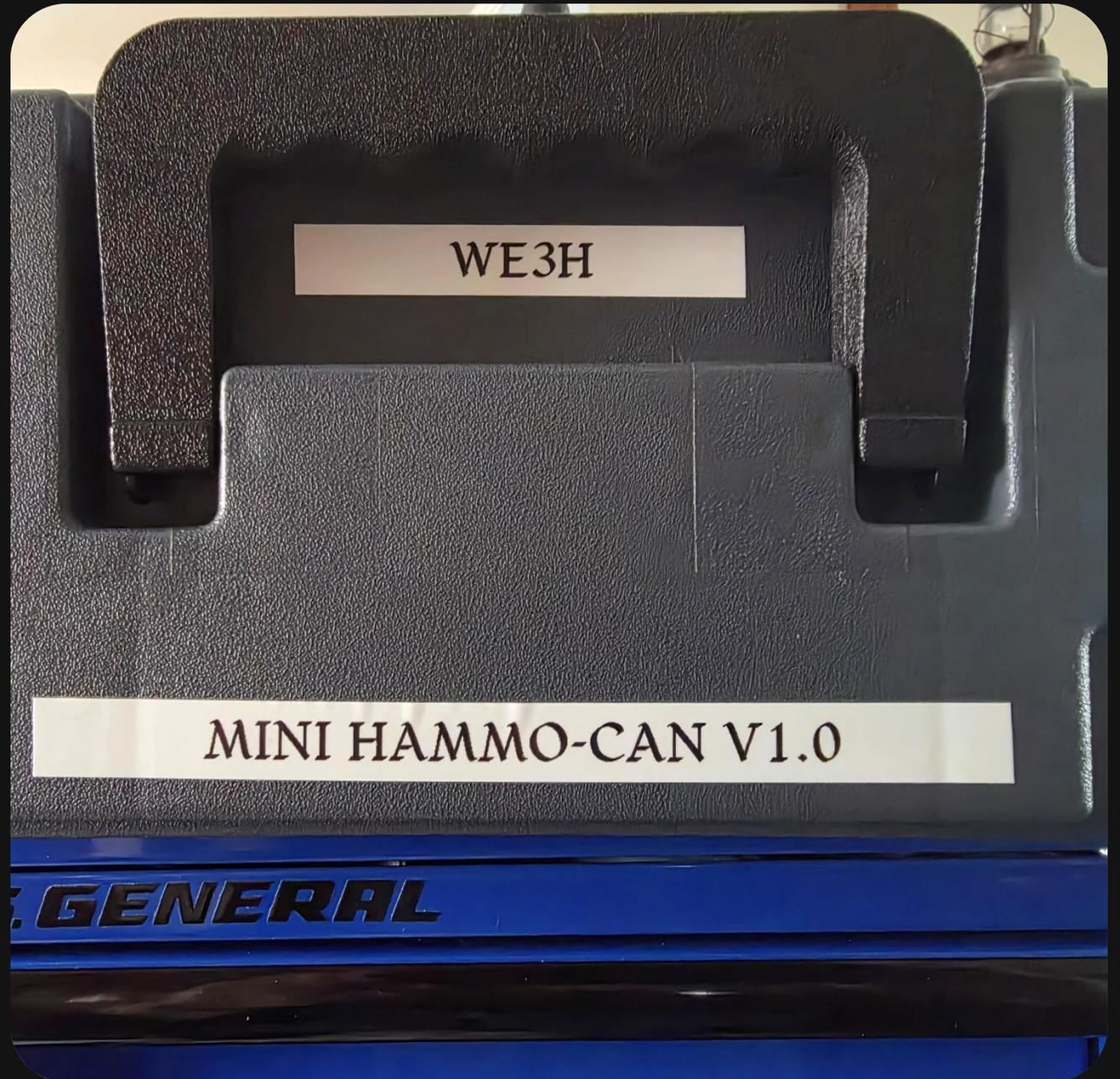
Mini HammoCan V 1.0

Tracey Richard WE3H



Why I chose to do this?

To show new Ham's a possible next step from a HT with a relatively easy build and in a small self-contained portable package.



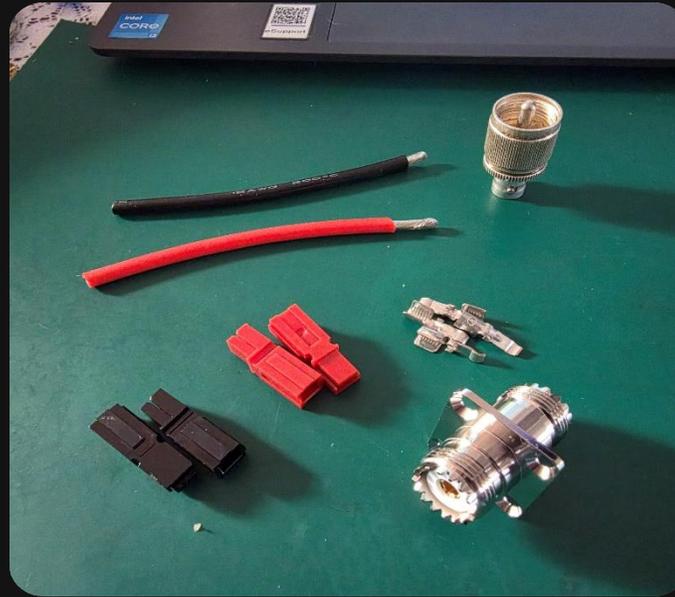
Items Required:

Radio

Battery

Enclosure

1Ft. RG58 PL259 to
right angle PL259

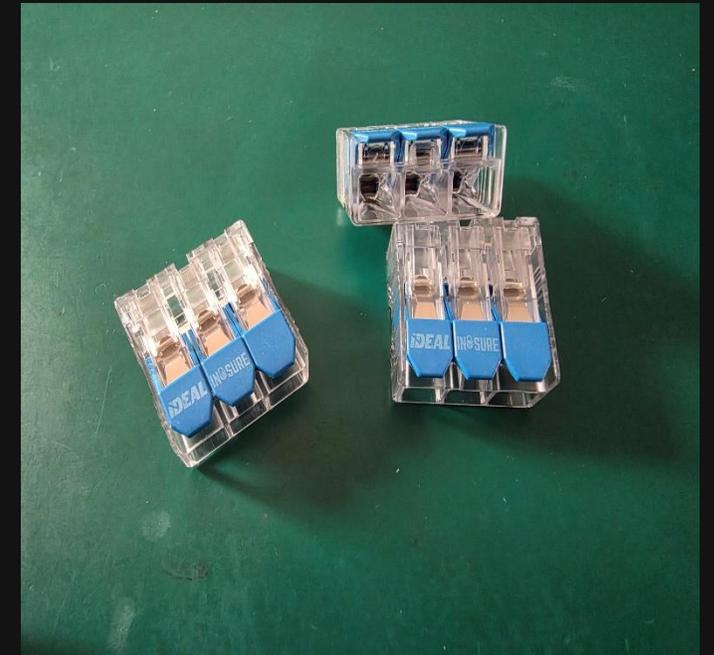


Optional Items:

WACO Connectors Red & Black Wire

Power Pole Chassis connector

RF Bulkhead Connector



Completed Build

Only soldering required is for the center pin of 1ft. RF cable if you make it yourself. In the parts list I added a pre-made 1ft cable. Keep in mind our EmComm Group has build classes for building RF cables and powerpole connections.



Suggestions:

Keep a copy of your manual and a current laminated channel card in the box with your radio.

Reasons why:

Manual self explanatory

Channel card gives you a quick visual of how your radio is programmed



Lesson Learned:

Radio when on a UHF (70cm) frequency would go into protect mode and shut off. Would only do this with this red battery in this picture. Would run perfectly fine on the project battery box we made. After a Google AI question led me to the answer of UHF frequencies draw more amperage than VHF frequencies. That stinking basic electronics bites you again.

No where in the crappy manual does it mention 1 word about amperage draw of the radio.

Solution: Buy a battery that has a better constant amperage output.

YOU GET WHAT YOU PAY FOR!



Parts List as configured

MINI HAMMO-CAN V1.0 PARTS LIST				
Item	Manufacturer	Model	QTY	Price
Radio	QYT	KT-7900D (Amazon)	1ea	\$85.99
Battery 12v 9Ah LiFePo4	Bioenno	BLF-1209WS (Amazon)	1ea	\$151.94
Box	Harbor Freight	30cal Plastic	1ea	\$5.99
1ft PL259 to right angle PL259 cable	Amazon	MokeeRF 1ft RG58 UHF male to Right angle	1ea	\$12.99
				\$256.91
Optional Build Out				
Powerpole Connector	Amazon	JacEnergy Quick Connect Wire Connector	1ea	\$15.99
Silicone Jacket wire (red and black)	Amazon	14 Guage Stranded Silicone Wire	10ft	\$9.88
Chassis Mount RF Connector	Amazon	XRDS-RF SO239	1ea	\$11.99
PL-259 to BNC adapter	Amazon	DHT Electronics BNC Female to UHF Male	2ea	\$6.50
10/24 pan head screws SS	Lowe's	Stainless Steel 126948	8ea	\$3.98
6/32 countersunk screws SS	Lowe's	Stainless Steel 126906	15ea	\$3.98
10/24 lock nuts SS	Lowe's	Stainless Steel 126896	8ea	\$3.98
6/32 lock nuts SS	Lowe's	Stainless Steel 126894	10ea	\$3.98
WACO Connector	Lowe's	30-01L33	10ea	\$9.98
				\$327.17

Questions?

GADGET OF THE MONTH –

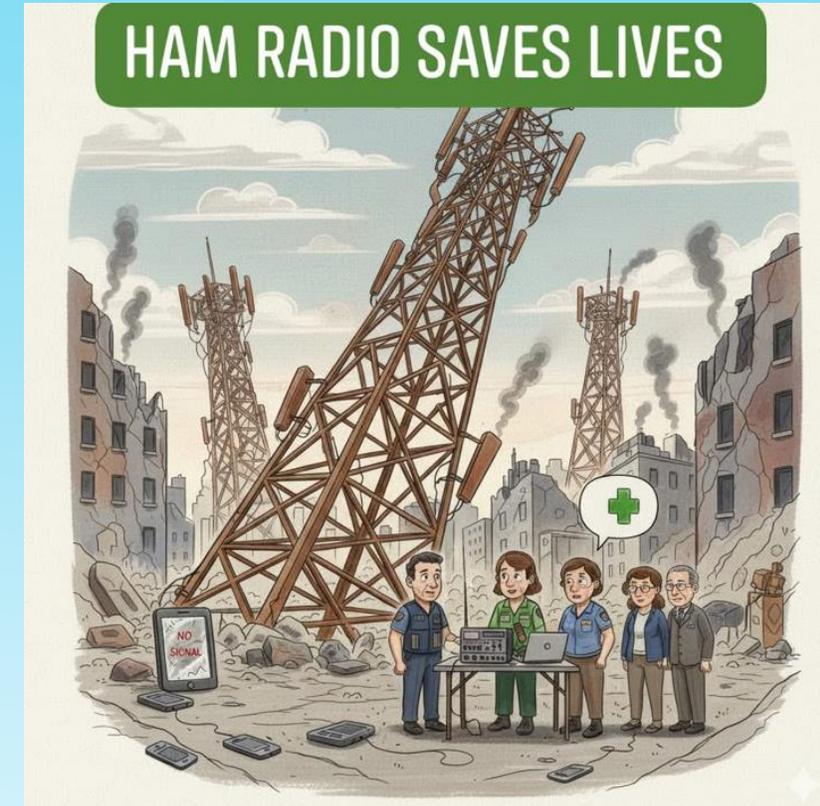
Do you have a new Ham Toy that others may like to explore?

- ▶ New Antenna, Radio, HT, Battery box, flux-capacitor
- ▶ Volunteer for a short infomercial
- ▶ No need for a full presentation
- ▶ Works like Shack of the Month
- ▶ Just email me a photo or two and I'll call on you to talk about it – from your seat!



EMERGENCY COMMUNICATIONS

- Coming Thursday 19 March 1900
 - Learn basics of emergency communication
 - Be prepared to help both locally and nationally
 - Learn how to build or repair communications cables or power cables
 - Learn to build antenna's
 - Learn key skills to be able to communicate anywhere on multiple modes.
 - Become an ARES certified member (3 levels)
 - Send files, photos, emails, forms without the Internet!
- Interested in being part of the group or helping Sign up!



N3TWT.ORG WEBSITE:

- Thank you! Brendan, KC3VEB for redoing the website

443.300 - (+5 MHz), tone 67 Hz
145.430 - (-600 KHz) tone 67 Hz
146.460 - (+1 MHz), tone 67 Hz
146.685 - (-600 KHz) DMR



VE Testing Policies; test sessions begin at 6PM – just prior to the 7PM monthly meeting on the 3rd Tuesday of each month.

- HOME
- ABOUT/GET INVOLVED ▾
- NEW HAMs ▾
- ACTIVITIES & EVENTS ▾
- ON THE AIR ▾
- JOIN SMRA/RENEW

Welcome to South Mountain Radio Amateurs

Connecting Carlisle, Camp Hill, and the Greater Cumberland County Amateur Radio Community.

Whether you are a seasoned amateur, a newly licensed Technician, or someone just curious about how to get started in the world of Ham Radio, you've found the right place. SMRA is an [ARRL Special Service Club](#) dedicated to education, community service, and the advancement of the radio arts.

Get Your License & Keep Learning

We are one of the most active teaching clubs in Central Pennsylvania.

- **Technician Classes:** We hold regular, free licensing courses at the **Bosler Memorial Library** in Carlisle and the **Fredricksen Library** in Camp Hill. Check our News and Calendar for upcoming classes.
- **Licensing Testing:** We hold monthly licensing testing. Join our testing sessions if you're looking to get your Technician license or upgrade to your General or Extra.
- **Meet the Mentors (MTM):** Getting your license is just the beginning. Our *Meet the Mentors* sessions provide hands-on demonstrations and presentations to help you get on the air, build antennas, and master your gear.
- **New Hams:** As a teaching and testing club new hams are always interacting with our club in some way. Visit our [New Hams](#) page for information perfect for new (or returning) amateurs!

ARES & Emergency Communications

Amateur radio is a vital link when all else fails. Many of our members are active in **ARES (Amateur Radio Emergency Service)**, supporting local events like bike races and community festivals, and staying prepared to provide emergency communications for Cumberland County when called upon.

Our Repeaters & Nets

We maintain local infrastructure to keep the community connected.

- **VHF/UHF Repeaters:** We operate wide-coverage repeaters in the area (check our [Nets](#) page for frequencies and tones).
- **Weekly Nets:** Join us for our regular on-air gatherings to test your equipment and catch up with local hams.

Build Projects & Field Day

SEARCH ...

Subscribe to SMRA Groups.io

Email Address

SUBSCRIBE

Club News

Logo'd SMRA Apparel

Delaware Hamfest April 18th

Technician Class 01/26/26 Cancelled

SMRA Fredricksen Library Free Technician Class

SMRA Bosler Library Radio Class

Join SMRA/Renew Dues

```
Solar-Terrestrial Data
02 Feb 2026 2134 GMT
SFI: 1.74 SN: 131
Rf & k:
X-Ray: M1.4
304A: 134.9 @ SEM
F10 Flux: 16
E10 Flux: 2770
Aurora: 2/n= 1.99
Bz: -1.3 Su: 316.0

HF Conditions
Band Day Night
80w-40w Poor Good
30w-20w Good Good
17w-15w Good Good
12w-10w Good Poor

VHF Conditions
Band Lot
Aurora Band Closed
5w EsEU Band Closed
4w EsEU Band Closed
2w EsEU Band Closed
2w EsM Band Closed
EME Deg Good
Solar Flare Prb 65%
HUF
HS 2/10 0 0 18 000
Geomag Field VR QUIET
Sig Noise Lvl 30-31
HUF US Boulder NoRpt
```

Build Projects & Field Day

From crimping coax to building antennas, we love to build. We also host **ARRL Field Day** every June—a 24-hour marathon of radio operation.

Volunteer with the Club

Want to get involved with building and growing the club? We are always looking for volunteers to help with our community events and education programs. Learn how to volunteer [here!](#)

Ready to join the fun?

- **Get Involved in SMRA** — Learn more about what we have to offer and see where you can get involved! We're always looking for enthusiastic members who want to learn or bring their own expertise to the club. Whether you are a brand new Technician or a seasoned Extra, there is a place for you here.
- **Read the Latest Club News & Updates** – Stay current with our weekly blog.
- **Join SMRA or Renew Your Dues** – Become an official member and support our local repeaters and programs.
- **View Our Event Calendar** – See when our next monthly meeting or library class is happening.
- **Connect with our Social Media** – Get updates on events and club meetings going on.

Latest news and club information

Logo'd SMRA Apparel

Delaware Hamfest April 18th

Technician Class 01/26/26 Cancelled

SMRA Fredricksen Library Free Technician Class

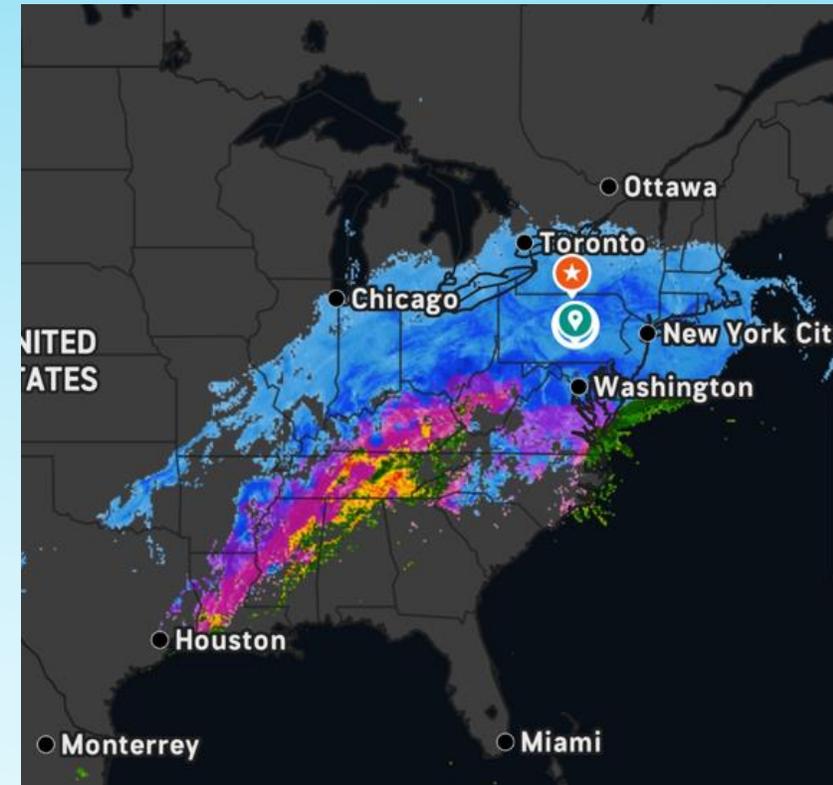
SMRA Bosler Library Radio Class

Geomag Field VR QUIET
Sig Noise Lvl 30-31
HUF US Boulder NoRpt
<http://www.n3twt.org>
Copyright Paul L. Herrewin 2024



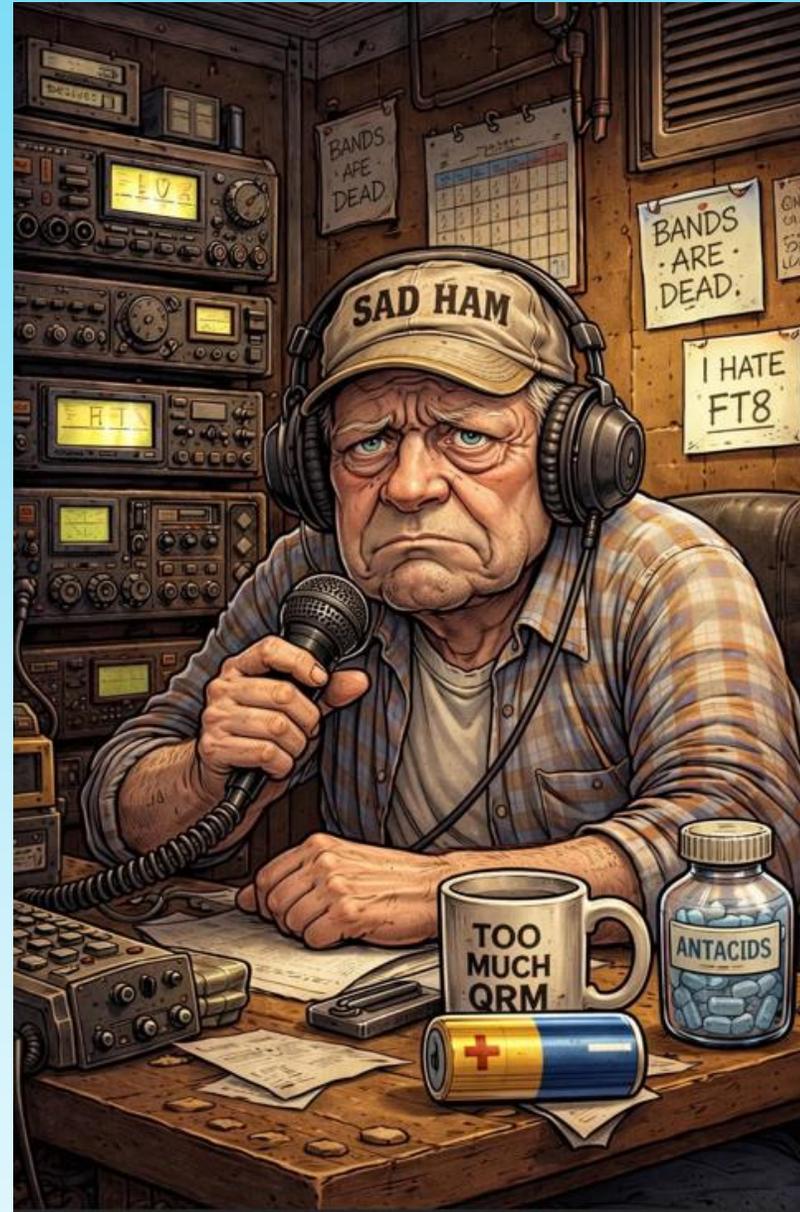
WINTER FIELD DAY : WHEN PLANNED SCENARIOS BECOME REALITY!

- Many outside outings canceled because of the Severe Cold and Snow.
- Many participated from inside or in their shacks. Still fun.
- Winter Field Day and its core principles:
 - Natural disasters are unpredictable and can strike when you least expect them.
 - Your training and operating skills should not be limited to fair-weather scenarios.
 - Preparedness is the key to a professional and timely response during any event.



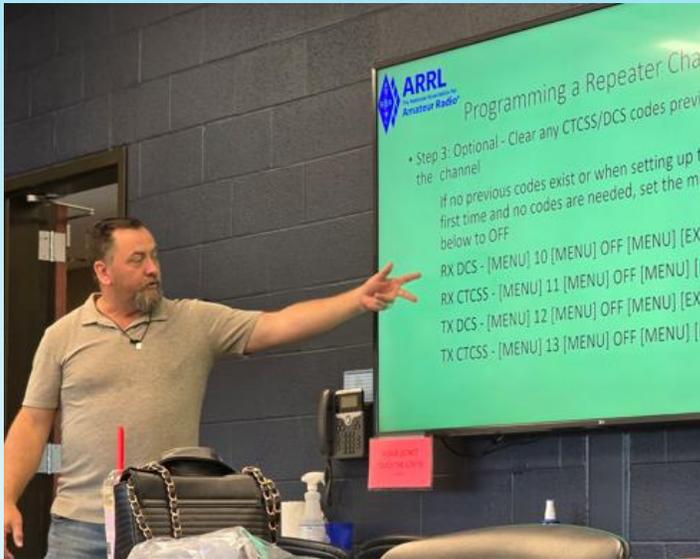
OFFICER REPORTS

- **Secretary** – Sean KC3YXI
- **Treasurer** – Mike K3ESQ
- **VP** – Jeff W3JWK
- **Membership** – Tracey WE3H
- **PAIO** – Brendan KC3VEB



SMRA TECHNICIAN CLASS:

- Bosler Library -12 Jan 26
- Fredericksen Library – 29 Jan 26



Free Amateur Radio Technician License Classes offered by the South Mountain Radio Amateur (SMRA) Club in Carlisle, PA.

Each complete course consists of five two-hour class sessions on Mondays from 5:30 to 7:30 PM, one VE Test Session and an additional two-hour session for those that pass the test to receive training on their new radio. It takes seven weeks to complete.

The next SMRA Technician Class will be held at:

The Bosler Memorial Library, 158 West High St., Carlisle, PA 17013

[Note: A textbook (\$32.00) and a VE/FCC test (\$14.00) will be provided free by SMRA]

- **Monday January 12, 2026 – Welcome to Amateur Radio, Radio Signals Fundamentals, and Electricity Components and Circuits**
Instructor: Ed W3ETO
 - Read Chapter 1 (no questions on exam), Chapter 2 (35 questions), and Chapter 3 (91 questions, but many of these questions are different versions of the same calculation)
- **Monday January 26, 2026 – Propagation, Antennas, and Feedlines**
Instructor: Keith KC3JVG
 - Read Chapter 4 (66 questions)
- **Monday February 2, 2026 – Amateur Radio Equipment**
Instructor: Chaz KC3ZPB
 - Read Chapter 5 (56 questions)
- **Monday February 9, 2026 – Communicating with Other Hams and Licensing Regulations** Instructor: Rick KC3DRU
 - Read Chapter 6 (63 questions) and Chapter 7 (30 questions)
- **Monday February 16, 2026 – Operating Regulations and Safety**
Instructor: Sean KC3YWX
 - Read Chapter 8 (32 questions) and Chapter 9 (43 questions)
- **Monday February 23, 2026 – VE Test for Technician License**
VE Team Leader: Don K3ZR
- **Monday March 2, 2026 – Students that pass the license exam and pay the FCC \$35.00 fee will receive a Baofeng UV-5R radio and be taught how to program and use it.**
Instructor: Norm AB3ZZ

To register for this class contact:

Bosler Memorial Library
158 West High ST.
Carlisle, PA 17013
717-243-4642

These classes are made possible by a grant from the Amateur Radio Digital Communications (ARDC) foundation www.ardc.net

CONTEST CALENDAR FOR THE MONTH:

CQ WW WPX Contest, SSB

- **0000Z, Mar 28 to 2400Z, Mar 29**

www.contestcalendar.com – Check out these Sites for lots of other contests!
<https://www.arrl.org/contest-calendar>
[CQ World Wide DX Contest - Home \(cqww.com\)](http://cqww.com)

SPECIAL EVENT STATIONS:

02/21/2026 | SWR Magazine Waves Weekend

Feb 21, 1200Z-2359Z, KP3SWR, Camuy, PR. SWR Magazine. 14.245 21.245 28.445. swrmagazine.org

•03/07/2026 | YL POTA Party - Erie Canalway

•Mar 7, 1300Z-2359Z, N3ARB, Spencerport, NY. Upstate New York POTA (Parks On The Air). 14.320

7.230. <https://www.facebook.com/events/235321994845842>

9

02/16/2026 | Antarctic Activity Week

Feb 16-Feb 22, 0000Z-2359Z, K4C, McDonough, GA. World Antarctic Program. 14.270. QSL. Robert Hines, 1978 Snapping Shoals Rd, McDonough, GA 30252. k4mzu.net

FUN FACT: ~40 Year-round Stations and >70 in Summer



<https://www.arrl.org/special-event-stations>

HAMFESTS:

[HTTPS://WWW.ARRL.ORG/HAMFESTS/SEARCH](https://www.arrl.org/hamfests/search)

- York Hamfest 25 April – 0800-1200



York Hamfest



Sponsored by the York Hamfest Foundation supporting 2 local Amateur Radio Clubs.
One of the **OLDEST** Hamfests in the area, in our 70th year.

Saturday April 25, 2026
8:00am to 12:00pm

****Great Location****

Glenview Alliance Church 10037 Susquehanna Trail S Glen Rock, PA 17327

INDOOR SPACED / COVERED OUTDOOR SPACES / TAILGATING
RAIN or SHINE FREE PARKING

*** Vendor and Tailgating set up at 6am Saturday morning. ***

Admission plus \$10 per 10' space outside or 1 table inside. \$5 for each additional space.
Commercial vendors are expected to collect and remit PA sales tax.

*** General Admission gate opens at 8am. ***

\$10 per person (FREE for children under 16 when accompanied by an adult and unlicensed spouses)

*** Hourly Door Prizes / Radio Game Prizes / Grand Prize**

Do not have to be present to win the Grand Prize

*** Food vendor with breakfast and lunch menu available ***

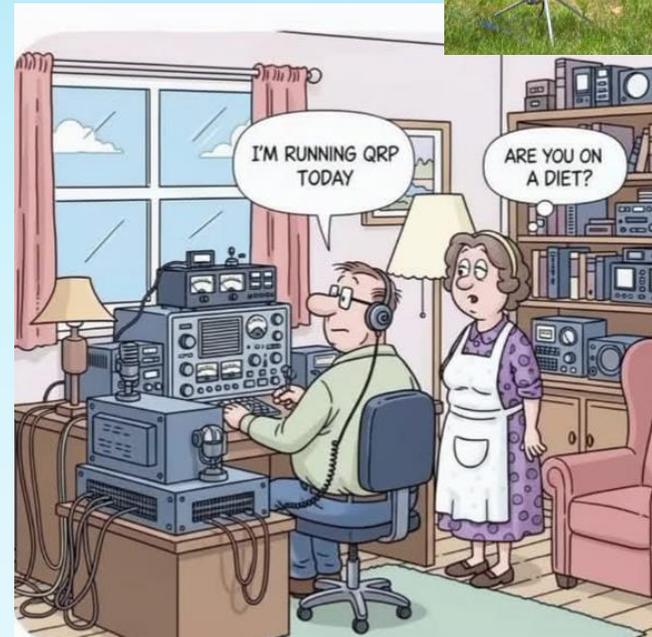
*** Free VE testing ***

Registration starts at 10:30am with Testing starting at 11:00am
(Paid admission fee can be refunded upon registration for testing. Full ticket and stub are required.)

*** Card checking for DXCC/WAS/VUCC/WAC**

QRP SCHEDULE FOR THE WINTER:

- ▶ **QRP Dinner – Tuesday 24 FEB @1730**
 - ▶ Hoss' Restaurant in Mechanicsburg
 - ▶ 61 Gettysburg Pike
 - ▶ Come Learn about QRP and POTA
 - ▶ Show and Tell of QRP Radios and Antennas
 - ▶ Have a good Meal (ice-cream too)
 - ▶ Socialize with your Fellow Hams.



ANNOUNCEMENTS & DATES:

- ▶ **Monthly Meet the Mentors**
 - ▶ 1st Tuesday – 3 MAR 26 @ 1900 –EOC
- ▶ **Monthly SMRA ARES/ACS Training**
 - ▶ 3rd Thursday – 19 MAR 26 @1900 - EOC
- ▶ **Monthly HAM Breakfast**
 - ▶ 2nd Saturday – 14 MAR @ 0830 - Location: Brothers Restaurant
- ▶ **Monthly General Meeting**
 - ▶ 3rd Tuesday – 17 MAR 26 @ 1900 - Location: EOC
- ▶ **Monthly QRP Dinners and Outings**
 - ▶ 4th Tuesday (Generally in Winter) –27 JAN 26 @ 1730



EXECUTIVE BOARD MEETINGS

- Next Executive Board (EB) Meetings: **Open to all members** - second Tuesday of even months – or as specified. 5:30 PM dinner, 6:30 PM meeting, Hoss's, 61 Gettysburg Pike, Mechanicsburg.
 - Calendar
 - ~~20 Jan 26 – After the Meeting~~
 - ~~10 Feb~~
 - 14 Apr
 - 9 Jun
 - 11 Aug
 - 13 Oct
 - 8 Dec

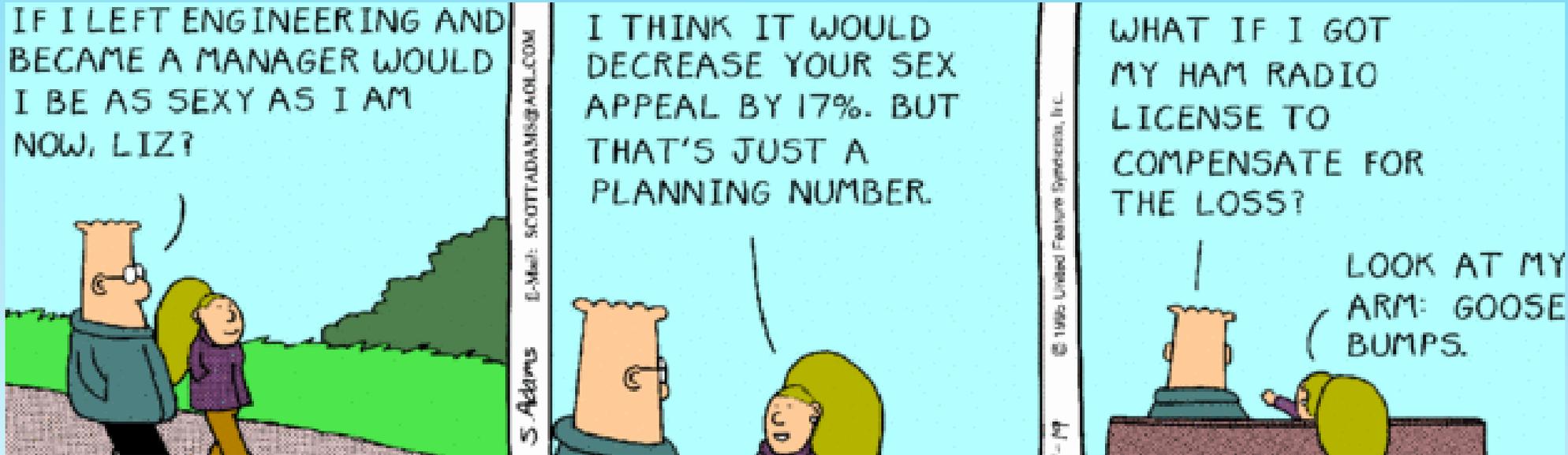
AROUND THE ROOM (TIME PERMITTING):

What did you do interesting in Ham Radio this month?

- ▶ Hamfest
- ▶ Contests
- ▶ Technical Accomplishments
- ▶ Awards
- ▶ Activities – Rare DX
- ▶ New Antenna/Radio



FINAL THOUGHTS:



RIP Scott Adams

Motion to Adjourn?