

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 (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.



SMRA AMATEUR RADIO CLUB

WWW.N3TWT.ORG

ED OTTO, W3ETO - PRESIDENT'S MESSAGE

TUESDAY 19 MAY 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

HOW SIGNAL STRENGTH WORKS IN dB

dB (decibel) is not a unit of power. It is a comparison between two power levels



dB Change	Meaning
+3 dB	Power doubles
-3 dB	Power halves
+10 dB	Power increases 10 times
-10 dB	Power reduces to one-tenth

TONIGHT:

- ▶ Presentation: Winlink #1
- ▶ SMRA Project Updates
- ▶ Shack-of-the-Month & Gadget of the Month
- ▶ MTM & Emcomm
- ▶ Volunteers for Public Safety Fair
- ▶ Summer Field Day Planning
- ▶ Upgrades and Moves
- ▶ Officer's report
- ▶ Nets
- ▶ Announcements, Contests and Events
- ▶ Around the Room – as time permits

**ME, WHEN MY FIRST EVER HF
CONTACT INSISTENTLY GOT MY
CALL WRONG AND THEN MOVED ON.**



PRESENTATION:



Part 1 Andrew - W3AND

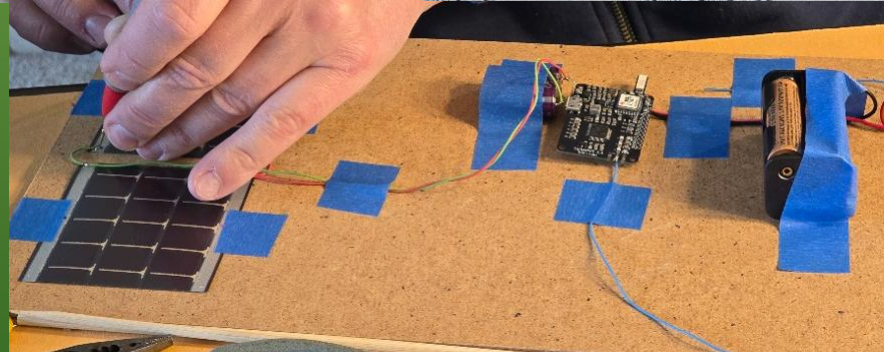
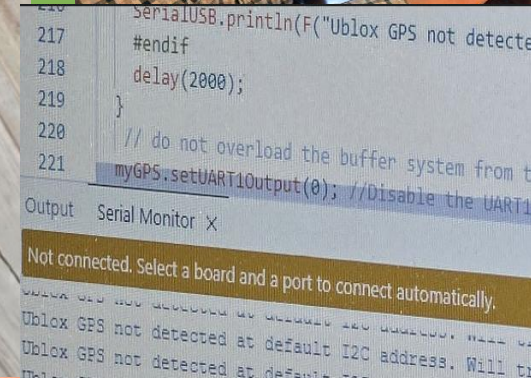
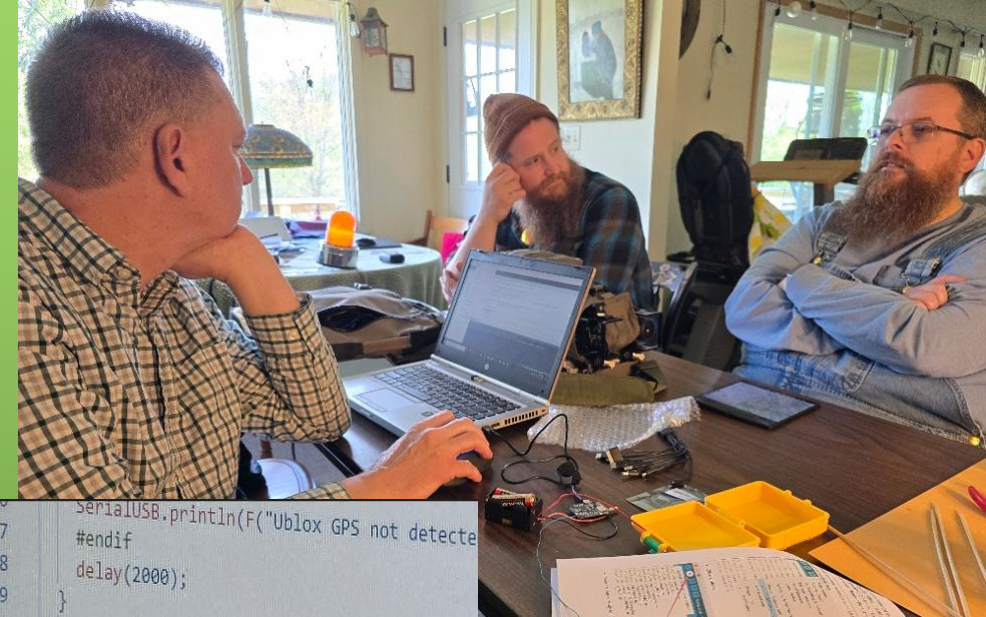
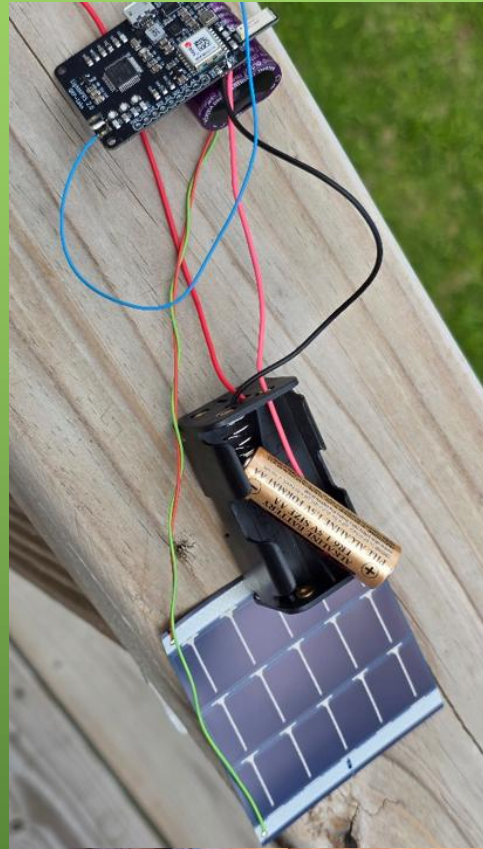
2026 PRESENTATIONS:

As of 15 May

Table2 				
 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	EME Moon Bouce	John Jaminet	W3HMS	
10/20/2026	Getting Started with CW	Emily Saldaña	WC3R	
11/17/2026	Making a Go-Box / Go-Bag	Sean Schulze	KC3YWX	
12/15/2026	Restoring a used radio from Ebay	Chaz Smith	KB3ZPB	
1/19/2027	Setting up Ham Dashboard (VA3HDL)	Jeff Kisner	W3JWK	

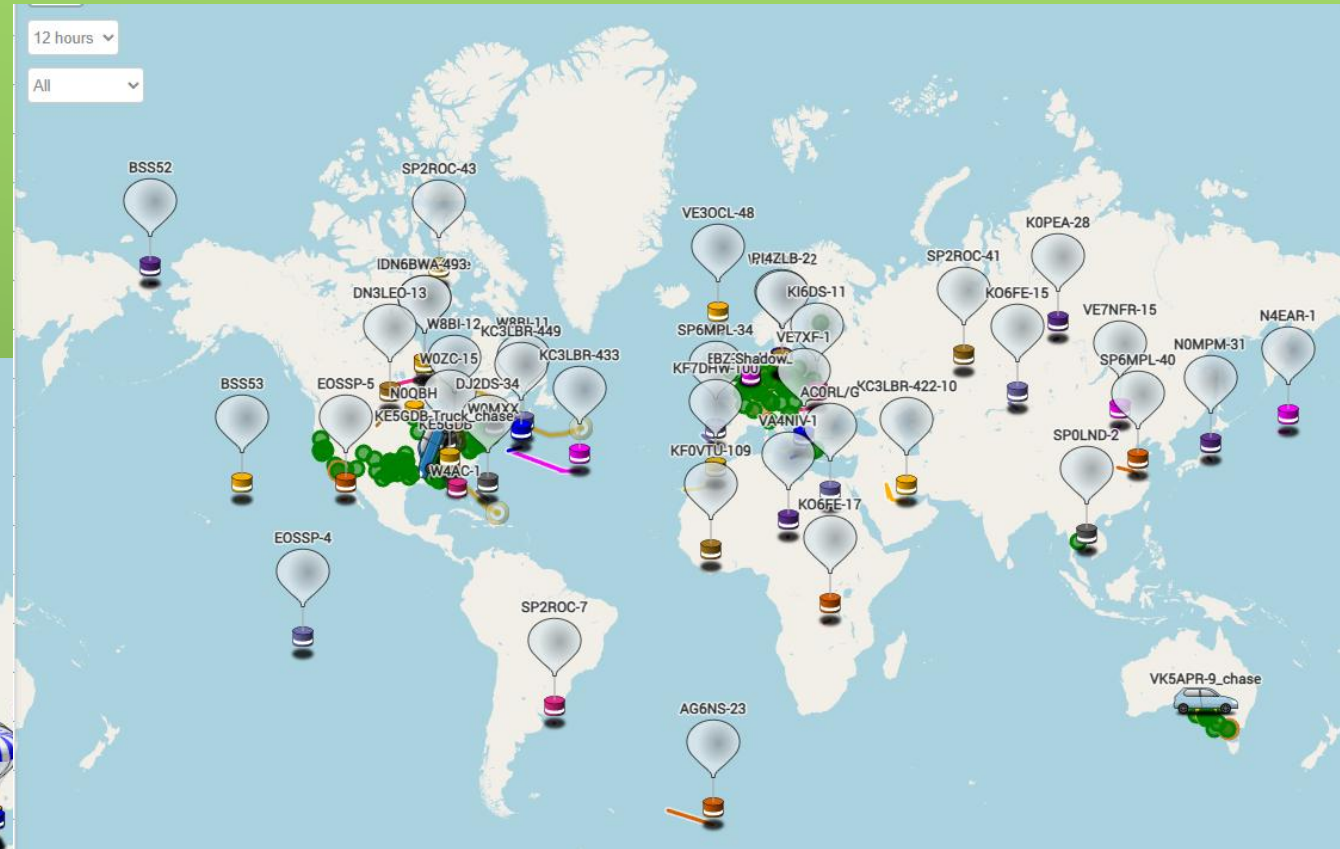
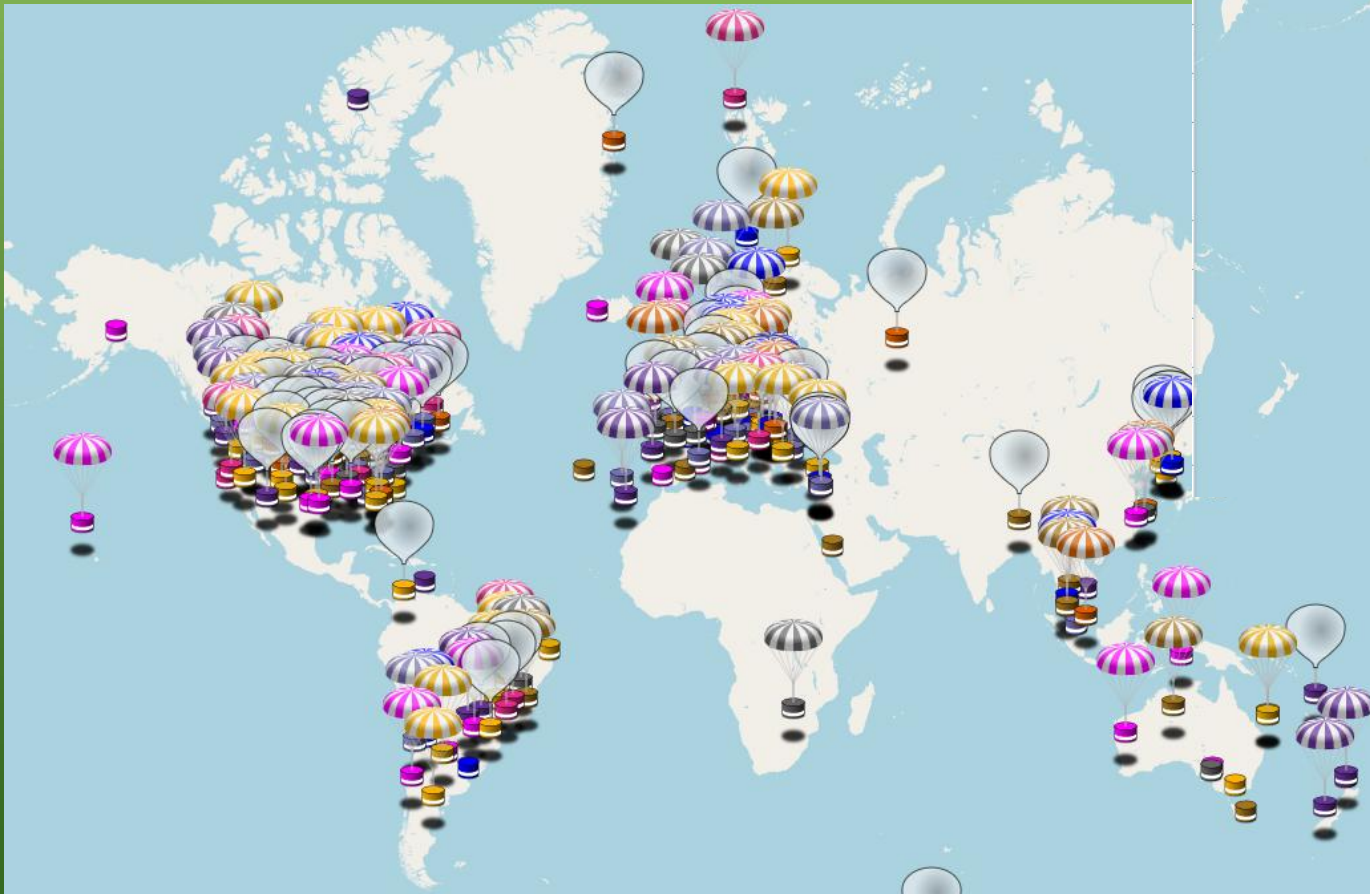
INFO: APRS Balloon Update

- Balloon is functional and on a testing board.
- Undergoing testing with APRS, Power utilization, transmit power
- Will have demonstration at Field Day.
- Launch later in the year
- **Will make sure everyone in the club knows how to track it and learn.**



TRACKING: APRS Balloon Launch

<https://sondehub.org/>



REPEATER INFO:

Tower Migration

- Active!
- Will need some assistance moving equipment!
 - Sign up sheet for those that could help weekdays or weekends.
- May be without 3 Square (.46) repeater as we wait for the antenna and the equipment is relocated



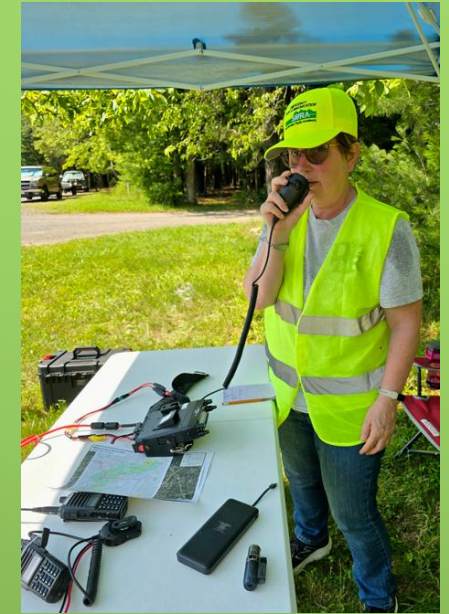
INFO:

SMRA Shirts and other Merch

- Thank you SMRA! Good number of orders submitted!
- Pay and pick them up. Just a few remaining.
- Thank you! Gary Cribbs,
wiscoman@pm.me for coordinating
this event.

COMMS: Motorcycle Events 2026

- **June 20** - DelVal Michaux Dual sport
- ~~**June 27 - 28** - Oxbo Haresramble (SMRA Not Needed)~~
- **July 19** - DelVal Foggy Mountain Enduro – Uses 46 Repeater
- **Sept 13** - SPER Michaux Enduro



DATES TO REMEMBER:

- **26 June** – Carlisle Summer Fair and SMRA booth setup at the EOC - **Sign up Sheet for who can help with the table?**
- **27 – 28 June** - SMRA Field Day!!! Bring Friends – **Sign up to operate or attend.** Pass out flyers, advertise to friends, Family and friendly neighbors.
- **4 AUG** – National Night Out – Shooting for Carlisle this year!



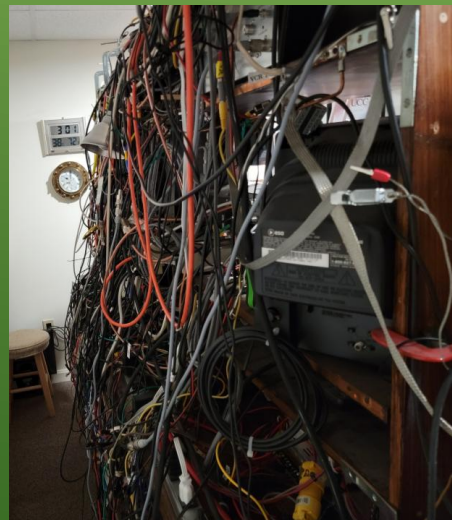
NEW SMRA NETS:

- ▶ 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**
 - ▶ On Summer Break - SMRA .43 Repeater
 - ▶ We will pause until late fall
 - ▶ Anyone can do this! Even a PC and HT will work – Try it. Excellent free experimental training.

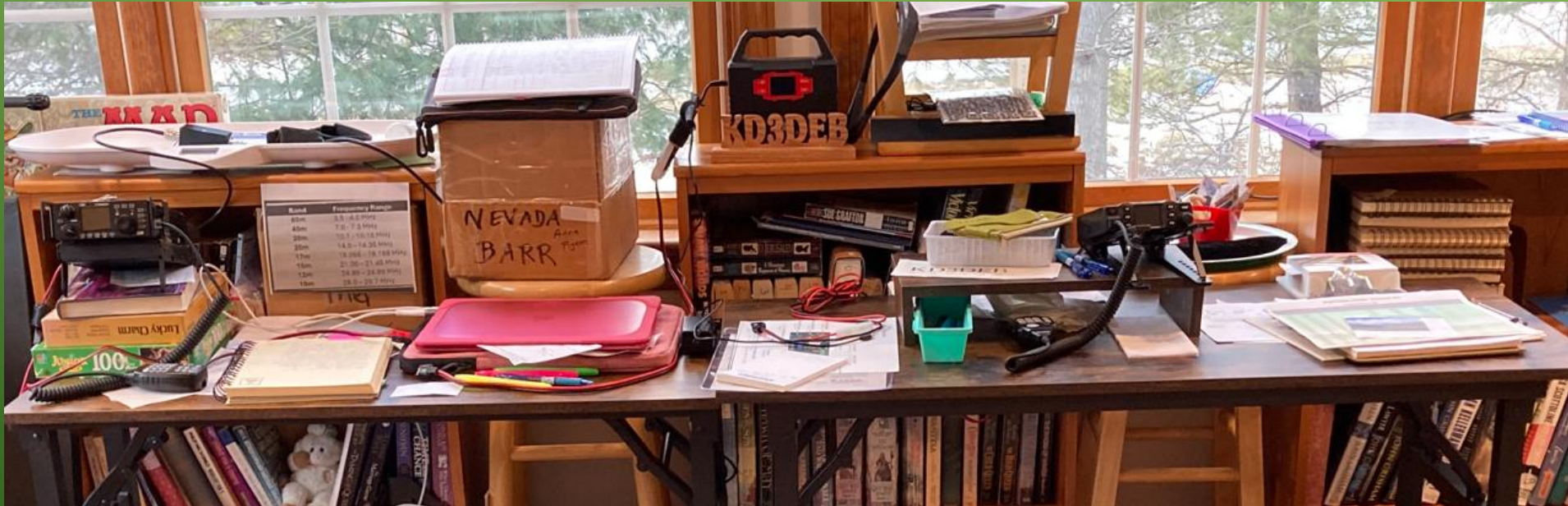


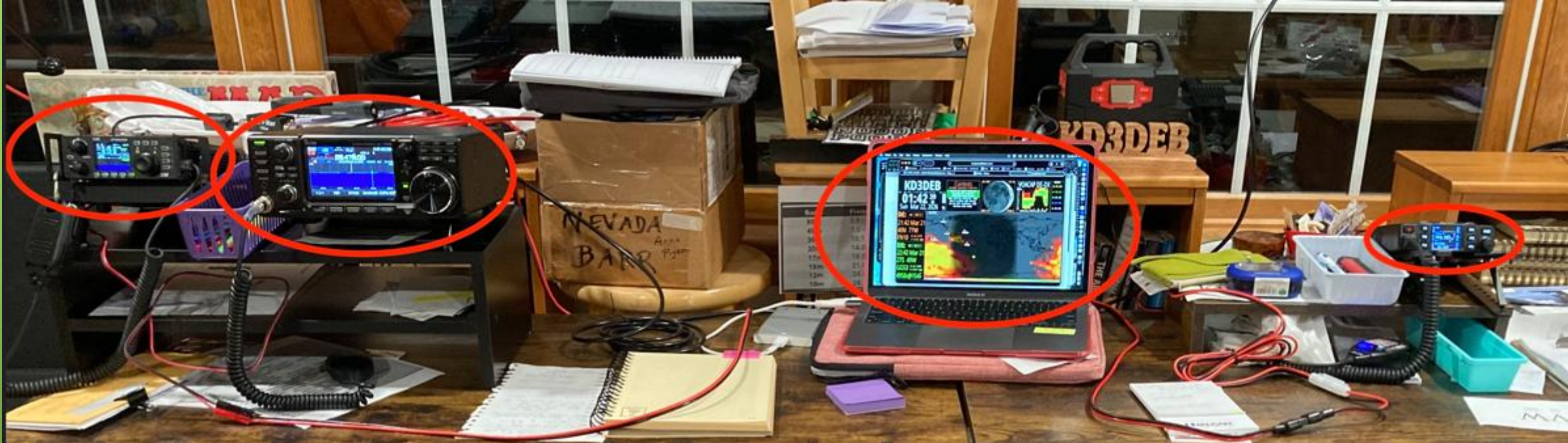
The Shack of the Month

- ▶ 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.



► Deb – KD3DEB







GADGET OF THE MONTH – JEFF W3JWK



All about satellite technologies

Ready for deeper satellite technology insights? Download our digital pocket guide or order a free printed version now!

<https://www.rohde-schwarz.com/>



Geostationary earth orbit (GEO)

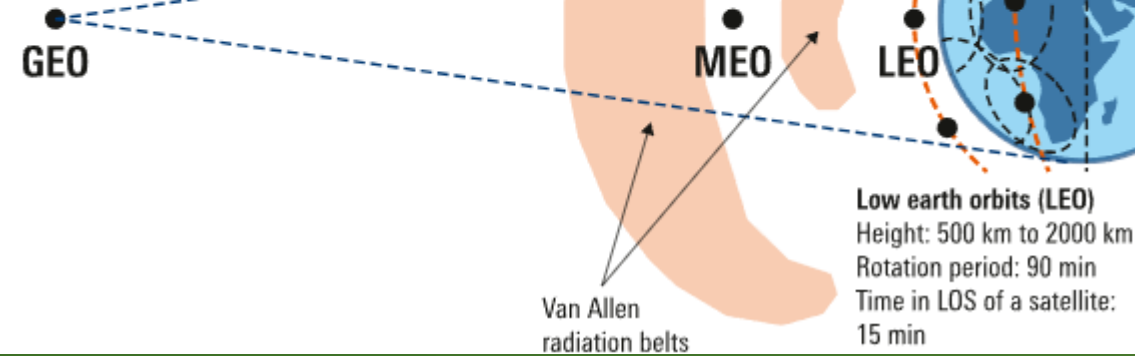
Height: 35 800 km
Rotation period: 24 h
Time in LOS of a satellite: 24 h

Medium earth orbits (MEO)

Height: 8000 km to 12 000 km
Rotation period: 5 h to 12 h
Time in LOS of a satellite: 2 h to 4 h

Low earth orbits (LEO)

Height: 500 km to 2000 km
Rotation period: 90 min
Time in LOS of a satellite: 15 min



COMMS: MTM Antenna Build

After Action Report:
Chaz – KC3ZPB

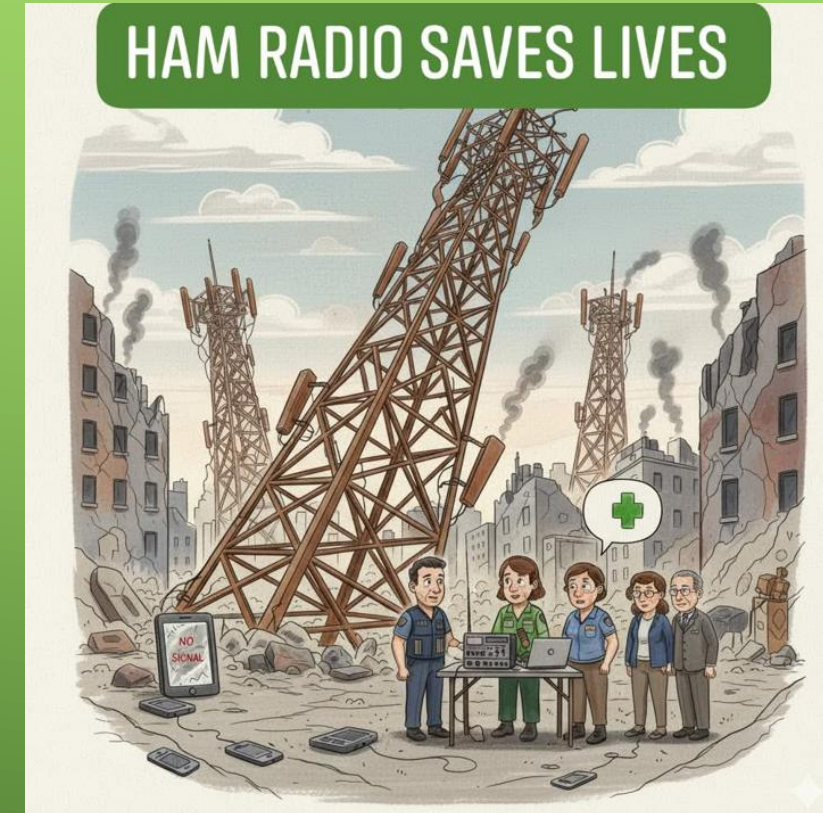


28

5/18/2026

EMERGENCY COMMUNICATIONS

- Coming Thursday 21 May 2026 @ 7pm - Here
 - 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!



Field Day 2026

SMRA ARRL 2026 Field Day will held on Saturday June 27th and Sunday June 28th. We are setup and will transmit from the Emergency Services Training Academy, 180 Army Heritage Drive, Carlisle, PA 17013. We will have multiple stations setup showing off various aspects of the radio hobby. We will also have a GOTA (Get on the air) station setup where licensed and non-licensed users can go to get on the air! Please join us these days for a great learning experience and to try your hand at the radio hobby! We hope to see you there!

If you are planning on attending either as an operator or a visitor please fill out our [Field Day Survey!](#) We'll have a few different stations to visit to learn about different modes of radio. We'll also have a station setup to learn how to make Power Pole cables and Coax Cables. You can also learn how to make a simple antenna!



**PARTICIPATE IN YOUR LOCAL
ARRL FIELD DAY
JUNE 27-28**

Subscribe to SMRA Groups.io

SUBSCRIBE

Club News

MTM 2m Antenna Project

The VOA Museum of Broadcasting

Soldering by KC3ZPB

Introduction to LoRa Mesh Networking

Logo'd SMRA Apparel

Join SMRA/Renew Dues

If you are planning on attending either as an operator or a visitor please fill out our [Field Day Survey!](#) We'll have a few different stations to visit to learn about different modes of radio. We'll also have a station setup to learn how to make Power Pole cables and Coax Cables. You can also learn how to make a simple antenna!

30m-20m	Good	Good
17m-15m	Fair	Fair
12m-10m	Poor	Poor
VHF Conditions		
Aur Lat	82.5°	
Aurora	Band Closed	
6m EsEU	50MHz ES	
4m EsEU	Band Closed	
2m EsEU	Band Closed	
2m EsNA	Band Closed	
EME Deg	Good	
Solar Flare Prb	30%	
MUF		
M3000	6	18
Geomag Field	UNSETTLED	
Sig Noise Lvl	92-93	
MUF US Boulder	NoRpt	

Copyright: Paul L. Hennein 2024

SUMMER FIELD DAY 2026

- **27 – 28 June** - SMRA Field Day!!! Bring Friends – Volunteer – Advertise Participate – Have Fun
- Perfect for new Hams to see many new aspects of amateur radio and even try out operating!
- Plus, it is fun to socialize and get to know more Hams!



AMATEUR RADIO
FD★26
A NATIONAL RESOURCE

**PARTICIPATE IN YOUR LOCAL
ARRL FIELD DAY
JUNE 27-28**

Be a part of the **most popular on-the-air operating event** in amateur radio. Join your local community and get in on the action!

SOUTH MOUNTAIN RADIO AMATEURS
Discover the World of Amateur Radio in 2026!

Ever wondered what Amateur Radio is all about?
Come see it LIVE, hear it, try it, and experience the excitement!



SMRA
Talk-in Frequency
145.430MHz, -600kHz
Tone 67Hz

- ✓ Hands-on demos
- ✓ Live contacts around the world
- ✓ Emergency communications displays
- ✓ Meet local operators & ask anything
- ✓ Fun for all ages — totally FREE!

Visit us:
Emergency Services Training Academy
180 Army Heritage Drive, Carlisle, PA 17015
Learn more at WWW.N3TWT.ORG

GOALS OF FIELD DAY:

- #1 - **Have Fun** – Socialize with Members and Guests
- Engage the Public in Awareness of Amateur Radio
- Be “HAM” Bassadors – Demonstrate our stations and have talks to engage visitors
- GOTA – Getting youth on the air.
- Eat Well
- Make some contacts
- Earn points in all categories we can – especially new ones like Winlink HF and W1AW broadcasts with PSK31
 - ◆ Note: Technician level operators will be able to operate all bands by using Clubs callsign N3TWT with a General Class or higher present !!

THE ESTA SITE:



**LOCATION: 180 ARMY HERITAGE DR
CARLISLE, PA 17013**



THE ESTA SITE ARIAL:





OFFICER/COMMITTEE REPORTS

ISS – SSTV World Peace Day images

- **Secretary** – Sean KC3YXI
- **Treasurer** – Mike K3ESQ
- **VP** – Jeff W3JWK
- **Membership** – Tracey WE3H
- **PAIO** – Brendan KC3VEB
- **Committee (if not covered):**
 - EMCOMM
 - MTM
 - Breakfasts
 - QRP



SMRA TECHNICIAN CLASS:

- Retooling slides to meet new Question pool
- Working to set the Fall schedule
- Making some changes too. More detail on Radios, programming and talking on them.

What Changed?

You can find a graphical “diff” of the changes here: https://hamstudy.org/diff/E2_2022/E2_2026

Here is a more text-oriented output from the same system:

<https://gist.github.com/taxilian/c6fca675a58fd4b165e97b3334fc8f66>

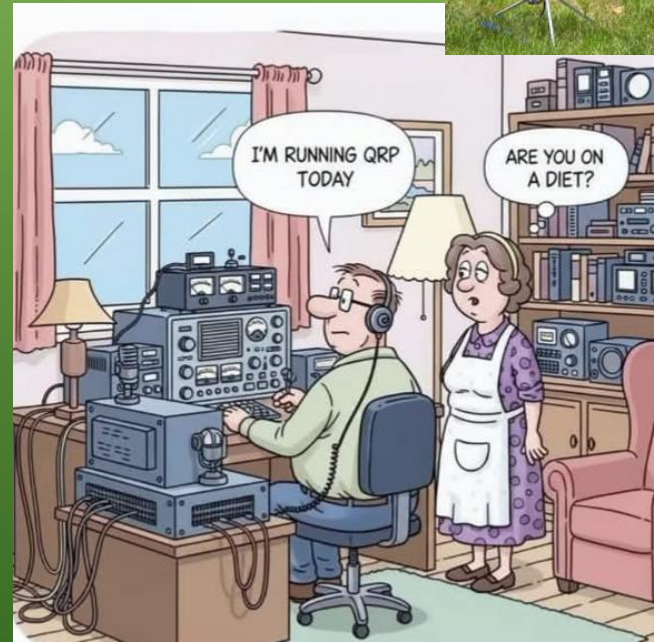
Here's a quick breakdown:

- **26 new questions** added
- **29 questions** removed
- **69 questions** with changed wording
- **8 questions** moved to different IDs (same content, new number)



QRP SCHEDULE FOR THE WINTER:

- ▶ **Boyd Big Tree Preserve!**
 - ▶ **21 May**
 - ▶ **1100**
 - ▶ **POTA: US 4356**
- ▶ **Looking for a Volunteer to run the QRP/POTA program!**



QRP SCHEDULE FOR 2026:

SMRA QRP Ops Schedule 2025						1-Apr-2025
EM: KC3RTP		EM: KC3RTP	EM: KC3RTP			EM: W3HMS
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			April			
			16- Pinchot, 1100 POTA US-1356			
			May			
	05 -Oppossum Lake, 1100					
			21- Boyd Big Tree Preserve, 1100 POTA US-4356			
			June			
	02 - Spring Meadows, 1100					07 - Field Day Site (CCES), 1100; with Potluck Picnic
			18 - Kings Gap, 1100 POTA US-4361			
			July			
	07 - Susquhanna Riverlands State Park, 1100 US-9719					
			16 - Appalachian Trail W. Trindle Rd, 1100 POTA US-4556			

QRP SCHEDULE FOR 2026:

		<u>August</u>			
04 - Opossum Lake, 1100; with Potluck Picnic					
		20 - PA 230 State Game Land, 1100 POTA US-8927			
		<u>September</u>			
	02 - Pinchot, 1100 POTA US-1356				
		17 - Kings Gap, 1100 POTA US-4361			
		<u>October</u>			
06 - Bkft at Brothers 0900 then Fisher Road Park					
		15 - Lower Allen Park, 1100			

CONTEST CALENDAR:

- Kentucky QSO Party 1300Z, June 6 to 0100Z, Jun 7
- ARRL Inter. Digital Contest 1800Z, Jun 6 to 2400Z, Jun 7
- Asia-Pacific Sprint, SSB 1100Z-1300Z, Jun 13

- The Annual 13 Colonies Special Event
<https://13colonies.us/>
- Excellent First Contest!!!...."Event"

www.contestcalendar.com –
<https://www.arrl.org/contest-calendar>
CQ World Wide DX Contest - Home (cqww.com)



The Annual 13 Colonies Special Event

GB13COL TM13COL WM3PEN
NY - K2A

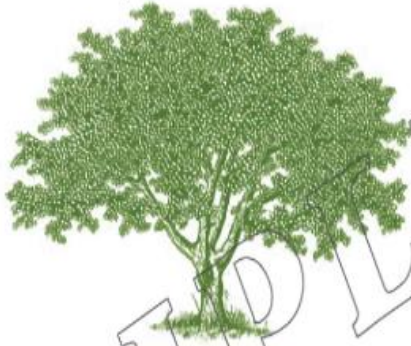
VA - K2B DE - K2E MA - K2H NH - K2K
RI - K2C MD - K2F NJ - K2I SC - K2L
CT - K2D GA - K2G NC - K2J PA - K2M

Dedicated to KU2US - Ken Villone (SK) 13 Colonies Founder - RIP

HOME QSL INFO LOG SHEETS CERTIFICATES DETAILS TOP OPERATORS MERCHANDISE

17th Annual 13 Colonies Special Event

JULY 1ST - 7TH 2025



LIBERTY TREE
AN APPEAL TO GOD
1776

THIS CERTIFICATE CERTIFIES THAT ARS: **KU2US** HAS PARTICIPATED IN THIS ON - AIR AMATEUR RADIO EVENT HONORING THE ORIGINAL THIRTEEN COLONY STATES, OUR INDEPENDENCE, & OUR ACTIVE MILITARY / VETERANS. 

THIS YEAR'S EVENT HONORS KEN VILLONE (KU2US), WHO CREATED THE 13 COLONIES SPECIAL EVENT IN 2009

 ALL SSB   **KU2US**  **WM3PEN** **13** CONTACTS



The Annual 13 Colonies Special Event

GB13COL

TM13COL

WM3PEN

NY - K2A

VA - K2B

DE - K2E

MA - K2H

NH - K2K

RI - K2C

MD - K2F

NJ - K2I

SC - K2L

CT - K2D

GA - K2G

NC - K2J

PA - K2M

- This is all you need to fill out – Pencil
- Mail in!
- That's it.
- The Annual 13 Colonies Special Event
<https://13colonies.us/>
- Log Sheet Download
- <https://13colonies.us/logsheet>

...

1

of 1

	DATE	UTC	FREQ	RS(T)	MODE
K2A - NY					
K2B - VA					
K2C - RI					
K2D - CT					
K2E - DE					
K2F - MD					
K2G - GA					
K2H - MA					
K2I - NJ					
K2J - NC					
K2K - NH					
K2L - SC					
K2M - PA					
WM3PEN					
GB13COL					
TM13COL					

ENDOURSEMENTS

☐ ALL QRP
 ☐ VET
 ☐ AMER. LEGION
 ☐ NRA
 ☐ VFW
 ☐ CW
 ☐ MOBILE
 ☐ DIGITAL
 ☐ SATELLITE

WE REQUEST A DONATION OF \$5.00, CASH, CHECK, OR MONEY ORDER MADE PAYABLE TO: TONY JONES
PLEASE SEND YOUR REQUEST TO: TONY - N4ATJ - PO BOX 622 MCADENVILLE, NC 28101

NAME

CALL SIGN

ADDRESS

CITY

STATE / PROVINCE / COUNTRY

ZIP/MAIL CODE

WE HOPE YOU ENJOYED THE SPECIAL EVENT.PLEASE HAVE A HAPPY INDEPENDENCE DAY!

SPECIAL EVENT STATIONS OR RARE DX:

•05/23/2026 | Shawshank Prison on The Air

1100Z-1530Z, W8WE, Mansfield, OH W8WE.ORG

• 06/06/2026 | Lewis and Clark Trail on the Air

Jun 6-Jun 21, 0000Z-2359Z, W7AIA, Various Cities and States.
Clark County Amateur Radio Club. 14.240. Certificate & QSL. Clark
County Amateur Radio Club, PO Box 1424, Vancouver, WA 98661.
<https://www.lctota.org>

•06/06/2026 | Museum Ships Week-End

Jun 6-Jun 7, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway
Museum Ship CV-41 COMEDTRA NI6IW. 7.250 14.320 14.070
DStar on PAPA System Repeaters. QSL. USS Midway CV-41
Museum Ship COMEDTRA NI6IW, 910 N Harbor Drive, San Diego,
CA 92101. All Museum Ships to operate through the week-end, see
www.qrz.com/db/ni6iw for QSL information also.

MANY SHIPS

MANY STATES all Weekend!





HAMFEST/CONVENTION

07/04/2026 - Firecracker HamFest

Location: Harrisburg, PA

Type: ARRL Hamfest

Sponsor: Harrisburg Radio Amateurs Club

Website: <http://www.w3uu.org>

[Learn More](#)

Firecracker HamFest

HAMFEST/CONVENTION

07/04/2026

Start Date: 07/04/2026

End Date: 07/04/2026

Location: Harrisburg Postal Employees Picnic Grounds

1500 Roberts Valley Road

Harrisburg, PA 17101

Website: <http://www.w3uu.org>

Sponsor: Harrisburg Radio Amateurs Club

Type: ARRL Hamfest

Talk-In: 147.075 (123) or 717-979-9515

Public Contact: Terry Snyder , WB3BKN

PO Box 355 232 Art Drive Halifax, PA 17032

Phone: 717-979-9515

Email: terry@djterry.com



BLOOMSBURG HAMFEST



SATURDAY - JUNE 13, 2026

7AM - 1PM

Lime Ridge Community Center

6405 4th Street, Lime Ridge, PA

LAT=N41.02588 LONG=W76.34254

SPONSORED BY THE COLUMBIA - MONTGOMERY AMATEUR RADIO CLUB
<http://CMARC.club>

SELLERS & BUYERS ADMISSION DONATION \$5.00
SPOUSE & KIDS UNDER 12 FREE

INSIDE \$10.00 PER 8 FOOT TABLE SPACE - INCLUDES THE TABLE
ELECTRIC AVAILABLE ALONG WALLS - BRING YOUR OWN EXTENSION CORDS & POWER STRIPS

INDOOR SALES AREA OPENS TO THE PUBLIC SATURDAY AT 7 AM
Early indoor set-up Friday June 20, 2024 - 4PM to 8PM

LOTS OF OUTDOOR TAILGATING SPACES
WITH SELLERS ADMISSION OF \$5.00, YOU GET
ONE FREE TAILGATING SPOT

WE CAN NO LONGER SUPPLY TABLES TO OUTDOOR VENDORS
EXTRA SPOTS ARE ONLY \$5.00 FOR A 10 x 10 FT. SPACE

INDOOR REST-ROOMS - BREAKFAST & LUNCH AVAILABLE

ARRL - VEC AMATEUR RADIO LICENSE TESTING - 9 AM
NO ADVANCED REGISTRATION FOR TESTING - WALK-INS WELCOME

DIRECTIONS:

Eastbound on I-80, take Exit 241A. Westbound on I-80, take Exit 241.
From either exit, turn south on U.S. 11 (toward Lime Ridge or Bloomsburg).
At the first traffic light. Turn left onto Low Street and proceed to the Stop Sign. Go left at Stop Sign.
Lime Ridge Community Center is one block on the right.

TALK-IN 147.225 (+600) PL (if on) 85.4
FOR INFORMATION CONTACT Dave
VIA E-MAIL (preferred method) - KC3JNW@gmail.com

SUMMER FAIR:

- SMRA will participate!
- 26 June 2026
- Back of this building
- Bring family and friends to show support for Cumberland county Public Safety and SMRA!
- Signup Sheet to help being passed



**Join us for a day packed with
FREE activities and events!**

When: June 26

10am - 2pm . rain or shine

Where: 1 Public Safety Drive . Carlisle

Highlights: Vehicle Extrication Demo First Responder Vehicles & Demos
K9 Demos Food Trucks
Helicopter Landing



For a complete list of organizations & food trucks visit
www.cumberlandcountypa.gov/5097



ANNOUNCEMENTS & DATES:



- ▶ **Monthly Meet the Mentors**
 - ▶ 2st Tuesday – 2 JUN 26 @ 1900
- ▶ **Monthly SMRA EMCOMM Training**
 - ▶ 3rd Thursday – 21 MAY 26 @1900 - EOC
- ▶ **Monthly HAM Breakfast**
 - ▶ 2nd Saturday – 13 JUN @ 0830 - Location: Brothers Restaurant
- ▶ **Monthly General Meeting**
 - ▶ 3rd Tuesday – 16 JUN 26 @ 1900 - Location: EOC
- ▶ **Monthly QRP Dinners and Outings**
 - ▶ See Schedule

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?

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



FINAL THOUGHTS:

Motion to Adjourn?

