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 <u>WWW.N3TWT.ORG</u> ED OTTO, W3ETO PRESIDENT'S MESSAGE

TUESDAY 17 JUN 25 AT 7:00 PM

GENERAL SMRA MONTHLY MEMBERSHIP MEETING

ALSO STREAMED ON JITSI

# **CALL TO ORDER**

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

# IMPEDANCE MATCHING SPRAY PAINT™

RATTLE CAN EDITION - TUNE YOUR TOWER IN SECONDS!

"Don't fix your transmission line.
Paint over the problem!"

#### **FEATURES:**

- · Realigns coaxial chakras
- Reduces VSWR\* by up to 112 %
- · Adds +3 dB of confidence
- Works on Yagi, dipole, or that bent coat hanger-you call an atena
- Now with Nano-Ferrite Polymerics™ for directional RF laminar flow!

#### **INSTRUCTIONS FOR USE:**

- 1. Shake can vigorously (to excite RF harmonics)
- 2. Spray liberally over mismatched surfaces
- 3. Chant "50 ohms... 50 ohms..." while grounding yourself
- 4. Enjoy crisp modulation and smug superiority



6/17/2025

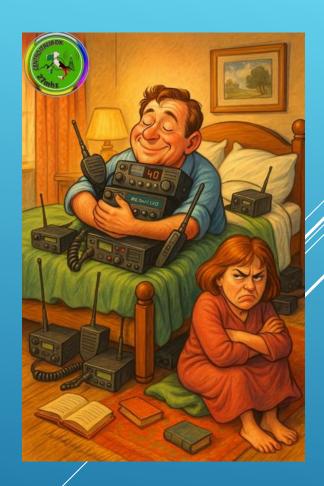
# **TONIGHT:**

- Presentation: DMR
- Shack-of-the-Month
- Supporting Bike Events in 2025
- Public Safety Fair
- Field Day
- Fox Hunt Update
- Repeater Etiquette
- Officers report
- Announcements, Contests and Events
- Around the Room as time permits



# 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?



# **GROUPS.IO FOR SMRA INFO:**

- SMRA-EMCOMM@Groups.io EMCOMM group
  - Emergency communications group info, builds, events
- SMRA-VE@groups.io SMRA FCC Licensing Volunteer Examiners
  - Calls for help grading exams. Special exam sessions etc.
- SMRA-NCO@Groups.io Net Control Operators
  - Current Monday Night Scripts. Operator schedules etc.
- Easy to subscribe or unsubscribe
- Make sure you are active on the main <a href="SMRA@groups.io">SMRA@groups.io</a> list
- Watch for a welcome email –check spam
- If not in the main SMRA Group, Contact our Membership Chair
  - Tracey WE3H at traceyrichard2@gmail.com

#### **Group Email Addresses**

Post: SMRA@groups.io

Subscribe: SMRA+subscribe@groups.io
Unsubscribe: SMRA+unsubscribe@groups.io

Group Owner: SMRA+owner@groups.io

Help: SMRA+help@groups.io

# PRESENTATION:

# What can you do with DMR

By Paul W3PTH

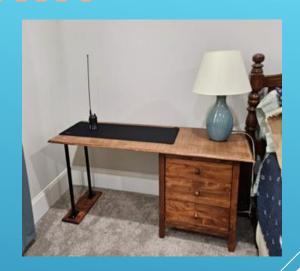


# 2025 PRESENTATIONS:

	SMRA 2025 Meeting Presentations	as of 14 MAY 25	
Column1 🔽	Column2	Column3	Column4 🔽
DATE	Title	Name	Call
21-Jan-25	QSO Cards and the Process	Glenn Kurzenknabe	K3SWZ
18-Feb-25	Mounting Mobile radios in your Electric Vehicle.	Dick Goodman	WA3USG
18-Mar-25	Planning your first home station	Brendan McGowen TBD	KC3VEB
15-Apr-25	How to buy gear at a Hamfest	Glenn Kurzenknabe	K3SWZ
20-May-25	Getting started in POTA	Rick King	K3RTK
15-Apr-25	What can you DO with DMR Locally	Paul Harig	W3PTH
15-Jul-25	JS8Call for Preparedness	Rick Stoner	KC3DRU
19-Aug-25	Insurance on Ham Radios and Equipment	Jeff Kisner	W3JWK
16-Sep-25	PA QSO Party	Glenn Kurzenknabe	K3SWZ
21-Oct-25	Using RigExpert Stick 230 Analyzer and Software	Jack Himes	NC3O
18-Nov-25	APRS - Tips & Tricks	Rick Stoner	KC3DRU
16-Dec-25			

# 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.





# 2025 BIKE RACES:

- ▶ 21 June This Weekend!
  - Andrew?
  - Email: w3and@andrewandbeth.com
- > 20 July
- > 7 September



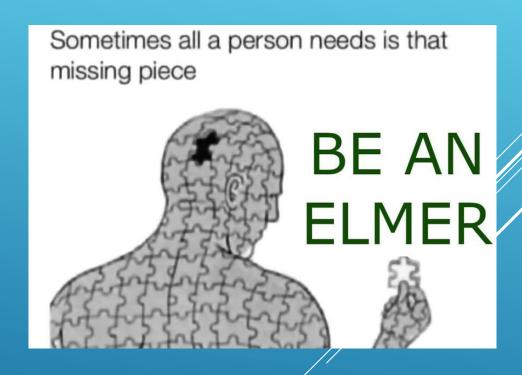






# **NEW SMRA NETS:**

- ▶ 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
  - Looking for volunteers to help host the net rotating hosts
- > 3) **Digital Net** on Sunday Nights 1900-2100
  - Suspended until fall Summers are busy!
    - SMRA .43 Repeater on alternating weeks with York Club Repeater
    - ➤ York Repeater 146.970, -6KHz (tone 127.3 (better coverage) or 123



# **CARLISLE SUMMER FAIR 2025:**

- Thank you Volunteers to help run the booth at Public Safety Fair as part of the Carlisle Summer Fair
  - > 27 Jun 0900-1400
- Meet and greet with first responders.
- Provide SMRA Info/recruit

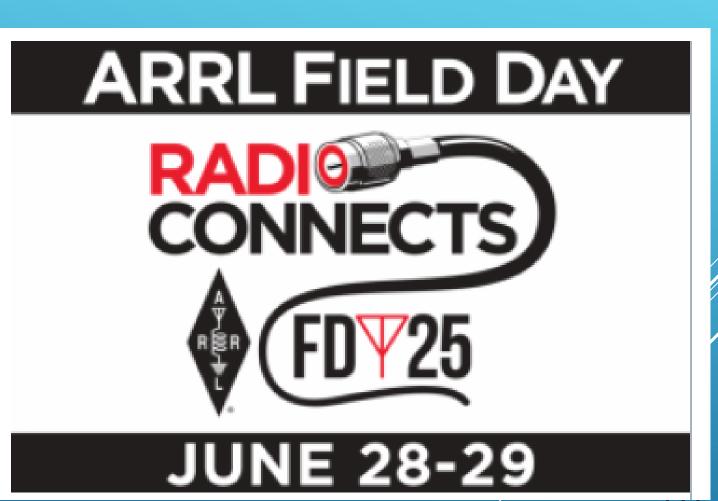




# FIELD DAY 2025:

## ARRL Field Day

ARRL Field Day is the most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June, more than 31,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.



# **GOALS OF FIELD DAY:**

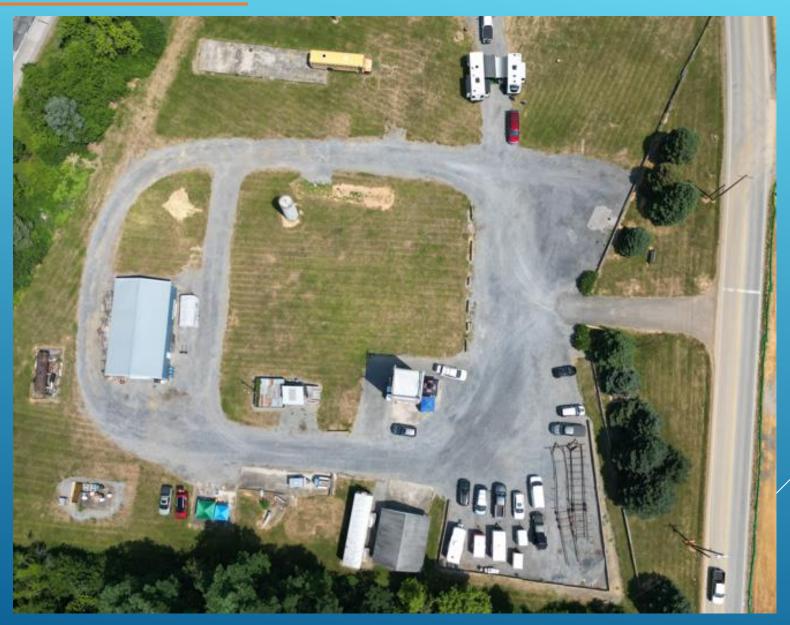
- ➤ Have Fun Socialize with Members and Guests
- Engage the Public in Awareness of Amateur Radio
- Be "HAM" Bassadors Demonstrate our stations and have talks to engage visitors
- > GOTA Getting youth on the air.
- > Eat Well
- Make some contacts
- ➤ Earn points in all categories we can especially new 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:













# FIELD DAY 2025:

- Share with friends
- Share on Facebook
- Post fliers in public locations
  - Pass out Take what you can post
- Information on our website
  - https://n3twt.org/
- JITSI Committee Meetings
  - Next Meeting on 19 Jun @ 1930

### **ARRL FIELD DAY 2025**



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!

#### PARTICIPATE IN YOUR LOCAL ARRL FIELD DAY JUNE 28-29, 2025



www.arrl.org/FieldDay

24

# FOX HUNT UPDATE:

- ► It's FOX Season 20 SEP 25 with a rain date of 4 OCT 25
- Goal: Use directional antennas to find the hidden transmitter on a larger scale.
- Build day 12 JUN:













# JUMPER CLASS:

- Successful First Class PowerPole Class
  - > 29 MAY at EOC at 7PM
- Thank you to Instructors
- Coax Termination PL-259
  - > TBD- Fall 25

# Thank You









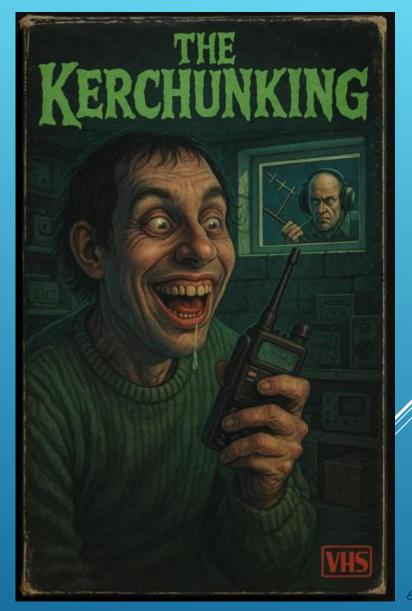


26



# **GENERAL INFO:**

Repeater Etiquette & Guidance



28

# GENERAL REPEATER GUIDANCE:

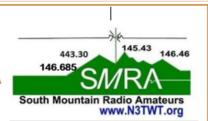
- > Listen before transmitting to ensure the repeater is not in use.
- > Pause a few seconds between transmissions to allow others to break in and check for doubling.
- > Avoid interrupting ongoing QSOs unless you have emergency or time-sensitive relevant traffic.
  - If you have a comment, just toss out your call sign and say comment. We like discussion.
- > Do not monopolize the repeater—allow others a chance to use it.
- > Use your call sign every 10 minutes and at the end of a transmission.
- Do not use CB-style handles or code names.
- Use phonetics when necessary for clarity (especially in noisy conditions).
- > Acknowledge responses courteously and proceed with QSO.

# GENERAL REPEATER GUIDANCE:

- Soliciting a QSO (Calling for Contacts)
  - Clearly ID and announce your intent or presence:
  - Generally calling CQ is not called on a Repeater
  - This is K1ABC listening", "K1ABC monitoring", "K1ABC mobile and listening on 43"
  - "K1ABC looking for a signal report", "radio check"
  - > Pause and wait—don't repeat over and over rapidly.
- That lets others know you're listening and open to a chat. Some hams do this once every 10–15 minutes if they're hanging around, while others might try once or twice and move on if no one responds.
- Avoid excessive calling: If no one responds after a couple of tries, give it a break for a while.
- > Acknowledge responses courteously and proceed with QSO.
- > Throw your call our there...You never know who you may talk to!

**AWARDS:** 

# SOUTH MOUNTAIN RADIO AMATEURS - SMRA SPECIAL RECOGNITION



THIS ACKNOWLEDGES THAT

### CHARLES CASH KD3BKP

HAS BEEN SELECTED AS THE TOP REPEATER USER OF THE MONTH

JUNE 2025

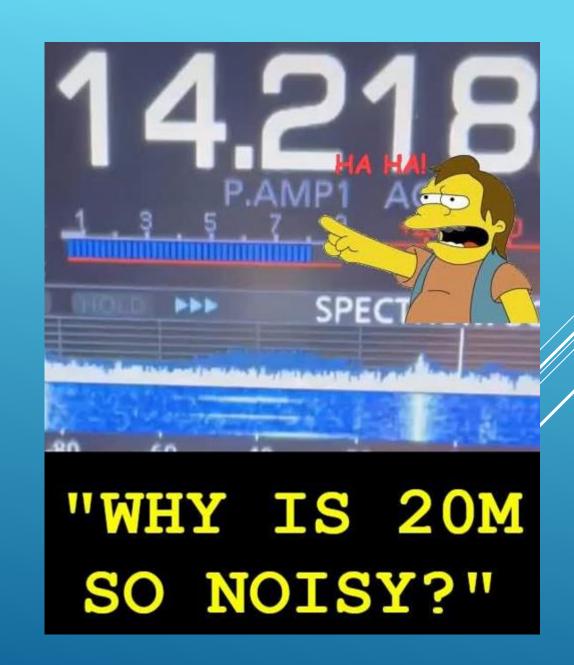


17 JUNE 2025

EDWARD T. OTTO PRESIDENT, SMRA

# **OFFICER REPORTS**

- Secretary Paul W3PTH
- Treasurer Mike K3ESQ
- > VP Jeff W3JWK
- Membership Tracey WE3H
- PAIO Brendan KC3VEB



# **COMMITTEE REPORTS:**

- Nets
  - ► Weekly Check-in NET (Monday 8:10PM/8:30PM) Bob N3ACP .43 Repeater
  - ► Elmer TechNet (Monday ~2100-2200) -Ed W3ETO
  - Digital Net (Sunday Night 1900-2100-Dick WA3USG [alternating York and SMRA Repeaters] Suspended for the Summer
- ► ARES/ACS Paul W3PTH— Second Thursday of the Month @1900
- Meet the Mentor MTM a great resource for new HAMs John W3HMS First Tuesday of the Month @ 1900
- ► HAM Breakfast 2<sup>nd</sup> Saturday of the Month @0830 Brother's in Mechanicsburg
- QRP Outings Per Schedule
- Special Event Station 13-14 SEP 25 @0900-1700

#### **Army Expo '25 Special Event**

DATE: September 13-14, 09:00 to 17:00 each day

LOCATION: US Army Heritage & Education Center, Carlisle, PA

SMRA Area:
Get on the Air (GOTA)
Digital (FT8, etc.)
QRP/Parks on the Air (POTA)

Volunteers needed for:
GOTA, Digital, POTA
QSL Card Design
Other Duties As Assigned...











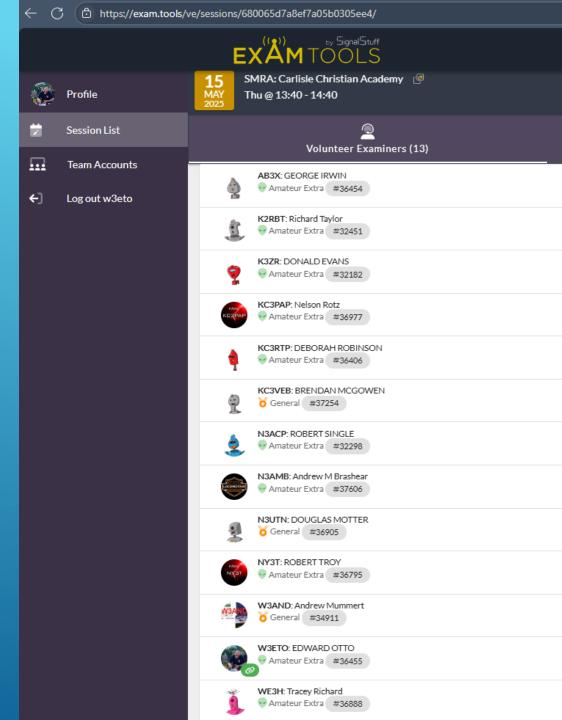
# **SMRA TECHNICIAN CLASSES:**

- > 3 May 25 14 Jun 25
- Last Class for this grant
- Thank you to Jack NC3O for executing this ARDC grant, coordinating and teaching 12 Classes, 84 Sessions, and licensing over 112 students
- > Thank you to Instructors and Tester:
  - ➤ Jack NC3O, Don K3ZR, Rick K3RTK, Rick KC3DRU, Keith KC3JVG, Ed W3ETO, Sean KC3YWX, Robin W3KAT



# **SMRA TESTING CHANGE:**

- ➤ WHY: Fast electronic grading and reduced paperwork. Faster submission to W5YI and FCC. Changing times and good use of technology.
  - Use Tablets, Laptops, Phones
  - ExamTools testing thru WY5I
  - ➤ If you are a VE, Register on the ExamTools site according to Don's email.
  - > 13 Registered!



# **AMSAT NEWS:**

https://www.amsat.org/status/

#### **Live FM Satellites**

Updated June 9, 2025. See AMSAT Status page for current status. Updates, changes, or suggestions please email David, N9KT.

	Uplink	Downlink	Comments
AO-91 (RadFxSat / Fox-1B)	435.250 MHz (67 Hz CTCSS)	145.960 MHz	Due to battery status, please do not attempt to access while in eclipse.
AO-123 (ASRTU-1)	145.850 MHz (67 Hz CTCSS)	435.400 MHz	
CAS-3H (LilacSat-2)	144.350 MHz	437.200 MHz	FM transponder has no set schedule. When the FM transponder is not on, there is a telemetry beacon on 437.200 MHz.
IO-86 (LAPAN-A2)	145.880 MHz (88.5 Hz CTCSS)	435.880 MHz	Low inclination orbit +/- 30 degrees of equator. FM transponder schedule:
ISS	145.990 MHz (67 Hz CTCSS)	437.800 MHz	See ARISS Status for status information
PO-101 (Diwata-2)	437.500 MHz (141.3 Hz CTCSS)	145.900 MHz	Seems to by dying: https://x.com/Diwata2PH/status/1905508075702038805/photo/1  FM transponder activated by schedule: https://twitter.com/Diwata2PH
SO-50 (SaudiSat-1C)	145.850 MHz (67 Hz CTCSS)	436.795 MHz	Has a 10 minute timer that must be armed before use. Transmit a 2 second carrier with a CTCSS tone of 74.4 Hz to arm the timer.
SO-124 (HADES-R)	145.925 MHz	436.885 MHz	
SO-125 (HADES-ICM)	145.875 MHz	436.666 MHz	

# DX NEWS:

## https://www.ng3k.com/Misc/adxo.html

-					_
May		NG3K	NG3K	NG	3K NC
2025 May10	2025 Jul12	Falkland Is	VP8DPD [apota]	EA5GL	TDDX 20250508
2025 May22	2025 Jun20	eSwatini	3DA0GY [spots]	LoTW	<u>DXW.Net</u> 20250507
Ju	ne				
2025 Jun01	2025 Jul10	Guyana	8R1TM [spots]	LoTW	DXW.Net 20250808
2025 Jun04	2025 Jun18	St Martin	FS [apota]	LoTW	TDDX 20250125
2025 Jun10	2025 Jun17	Bermuda	VP9 [spots]	LoTW	<u>OPDX</u> 20250522
2025 Jun11	2025 Jun28	Vanuatu	YJORS [spots]	LoTW	DXW.Net 20250322
2025 Jun12	2025 Jun15	Mariana Is	KH0N [spots]	JA6CNL Buro	<u>OPDX</u> 20250801
2025 Jun12	2025 Jun22	Bermuda	VP9 NEY [apota]	LoTW	<u>OPDX</u> 20250612
2025 Jun12	2025 Jun27	French Polynesia	FO NEY [spots]	моохо	TDDX 20250612
2025 Jun13	2025 Jun16	Iraq	YIOCT NEY [spots]	YI6AT	DXW.Net 20250812
2025 Jun14	2025 Jun20	Cyprus SBA	ZC4TH [spots]	DK6SP	TDDX 20250514
2025 Jun14	2025 Jun20	Cyprus SBA	ZC4RH NEV [spots]	LoTW	425DXN 20250828
2025 Jun15	2025 Jun21	Ogasawara	JD1BQP	JP1IHD Direct	<u>OPDX</u> 20250401
2025 Jun15	2025 Jun24	St Kitts & Nevis	V47JA	LoTW	W5JON 20250805
2025 Jun19	2025 Jun23	Palau	Т88РВ	LoTW	OPDX 20250417
2025 Jun25	2025 Jul31	Morocco	CN2DX	F5LRL NG	DXW.Net 20250521
2025 Jun27	2025 Jun29	Puerto Rico	KP4NET	LoTW NG	OPDX 20250814
2025 Jun28	2025 Jul14	St Pierre & Miquelon	N <u>FP</u> K	LoTW NG	X TDDX 20241219
2025 Jun29	2025 Jul03	NCIceland	TF NEV	LoTW NG	OPDX 20250810
2025 Jun30	2025 Jul05	Dodecanese Is	SV5	LoTW NO	K 20250521
2025 Jun30	2025 Jul05	NC Turkey	TC0MAR	HA8LLH C	DXW.Net 20250810 NC



http://dxsummit.fi

42

# **CONTEST CALENDAR FOR THE MONTH:**

- RAC Canada Day Contest 0000Z-2359Z, Jul 1
- ARRL Field Day, 28-29 June
- CQ Worldwide VHF SSB/CW Contest 1200Z, Jul 5 to 1200Z, Jul 6
- TA VHF/UHF Contest1200Z, Jul 5 to 1200Z, Jul 6
- Marconi Memorial HF Contest 1400Z, Jul 5 to 1400Z, Jul 6

<u>www.contestcalendar.com</u> – Check out these Sites for lots of other contests!

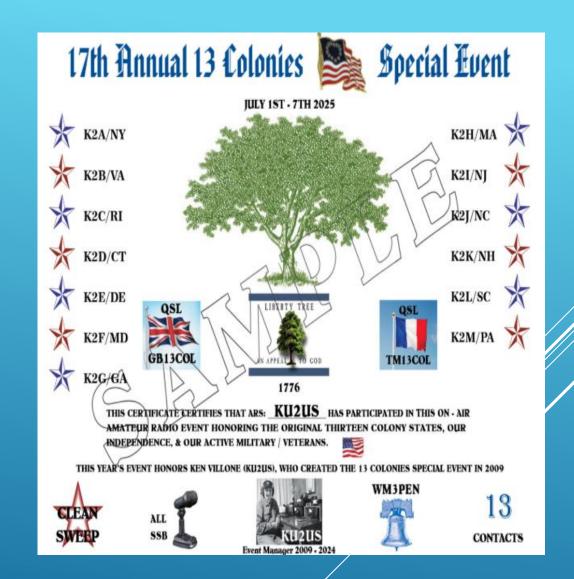
<a href="https://www.arrl.org/contest-calendar">https://www.arrl.org/contest-calendar</a>

Co. World Wide DY Contest - Home (contest com)

# **SPECIAL EVENT STATIONS:**

• June 6-8, Museum Ships Weekend—103 ships — Bands were terrible.

- •06/14/2025 | Audie Murphy's 100th Birthday
- •Jun 14-Jun 29, 0000Z-2359Z, W5M, Audie enlisted at the downtown Greenville, TX post office in 1942. He went on to become the most decorated soldier of WWII, earning every medal possible, including the Medal of Honor, all before the age of 21. <a href="https://k5gvl.com/audie-murphy">https://k5gvl.com/audie-murphy</a>
- •1-7 July, 17th Annual 13 Colonies Special Event http://13colonies.us/



44

## HAMFESTS: HTTPS://WWW.ARRL.ORG/HAMFESTS/SEARCH



#### HAMFEST/CONVENTION

#### 06/15/2025 - Baltimore Amateur Radio Club Father's

**Day Hamfest** 

Location: Upperco, MD Type: ARRL Hamfest

Sponsor: Baltimore Amateur Radio Club BARC

Website: https://w3ft.com/hamfest/

Learn More



#### HAMFEST/CONVENTION

#### 07/05/2025 - Firecracker Hamfest

Location: Harrisburg, PA

Type: ARRL Hamfest

Sponsor: Harrisburg Radio Amateurs Club

Website: http://www.w3uu.org

Learn More

# **HAMFESTS**:

#### **Firecracker Hamfest**

HAMFEST/CONVENTION

07/05/2025

**Start Date:** 07/05/2025 **End Date:** 07/05/2025

Location: Harrisburg Postal Employees Picnic Grounds

1500 Roberts Valley Road Harrisburg, PA 17101

Website: http://www.w3uu.org

Sponsor: Harrisburg Radio Amateurs Club

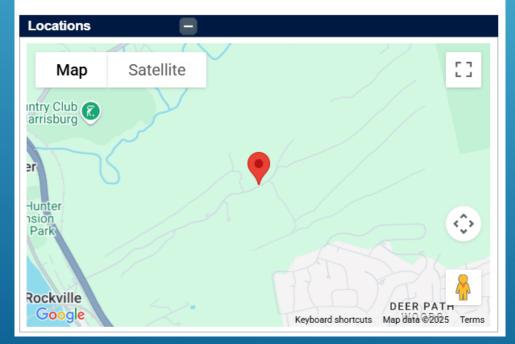
Type: ARRL Hamfest

**Talk-In:** 147.075 (123) or 717-979-9515 **Public Contact:** Terry Snyder , WB3BKN

PO Box 355 Halifax, PA 17032

Phone: 717-979-9515

Email: wb3bkn1@gmail.com



# **ANNOUNCEMENTS & DATES:**

- **QRP Event** − 18 JUN @ Kings Gap1100-1400 POTA #4356
- Monthly SMRA ARES/ACS Training
  - TBD
- **► Monthly Meet the Mentors** 
  - ► 1 JUL- 1<sup>st</sup> Tuesday @ 7:00-9:00 PM —EOC
- > Monthly HAM Breakfas
  - ► 12 JUL- 2<sup>nd</sup> Saturday 0830 Location: Brothers

# QRP SCHEDULE:

Posted on website

https://n3twt.org/

	EM: KC3RTP	EM: KC3RTP	SMRA QRP Ops Schedule 2025 EM: KC3RTP		1-Apr-2025 EM: W3HMS	
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<u>April</u>	П		
			16- Pinchot, 1100 POTA US-1356			
			<u>May</u>			
	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:

		<u>August</u>	
04 - Opossum Lake, 1100; with			
Potluck Picnic			
		20 - PA 230 State Game Land,	
		1100 POTA US-8927	
•		September	,
		<u>September</u>	
	02 - Pinchot, 1100		
	POTA US-1356		
	POTA 03-1356		
		17 - Kings Gap, 1100 POTA	
		US-4361	
		<u>October</u>	 
06 - Bkft at Brothers 0900 then			
Fisher Road Park			
		15 - Lower Allen Park, 1100	
QRP Dinner Schedule		_	 Responsibility
28-Jan-25	1730	Hoss, Mechanicsburg	EM=Event Manager=Deb, KC
25-Feb-25	1730	Hoss, Mechanicsburg	Attendance=John, W3HMS
25-Mar-25	1730	Hoss, Mechanicsburg	Calendar Updates=Rick, K3RT
29-Apr-25	1730	Hoss, Mechanicsburg	 
11/25/2025 (tentative)	1730	Hoss, Mechanicsburg	POTA Outings
12/30/2025 (tentative)	1730	Hoss, Mechanicsburg	

Calendar focuses on good WX events. As last year, in the event of bad weather for a scheduled outing, the Event Manager will postpone that event to the following week at the same location, time, and weekday.

# **EXECUTIVE BOARD MEETING**

- 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.
  - > Bring in New ideas and Events
    - 12 AUG 25 Canceled
    - 9 DEC 25



# 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:

Motion to Adjourn?

