

# THE eQRM

JULY 2025



## The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ

2M Repeater

145.310

PL 131.8



**On the Cover:** This is a great photo of brothers Spencer KC3YHD and Quentin Greenholt operating in the dark. This just had to be the front cover!

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### Check into our nets

#### Wednesday 2 Meter

**8:30PM on 145.310 MHz PL 131.8**

#### Wednesday 10 Meter

**9:00PM on 28.470 MHz**



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# Who We Are

## 2025 BVARA OFFICERS

President: Jack Spencer, KZ3Z

Vice President: Larry Homich, KC3ROS

2nd Vice Pres.: Greg Burns KCTFW

Treasurer: Pam Spencer, W3PMS

Secretary: Tom Stoops N3XC

Director: Tony Pavilonis, K3AHP

Director: Jim Allen, KC3IXE

Director: Douglas Lawrence K3GTX

Trustee: Doug Hanna, N4YKQ

## MONTHLY MEETINGS

E-Board meetings are now held the Saturday before the monthly club meeting.

VE testing begins at 5:00 PM.

Regular meetings are at 6:30 PM

All meetings are held at the  
Beaver County Emergency Services  
Center (A.K.A. The 911 Center )  
351 14th Street  
Ambridge, PA 15003  
on the second Thursday of every month  
(unless otherwise stated).

## 2025

Jul 10

Aug 09 Corn Roast

Sep 11

Oct 09

Nov 13

Dec 06 Christmas Party

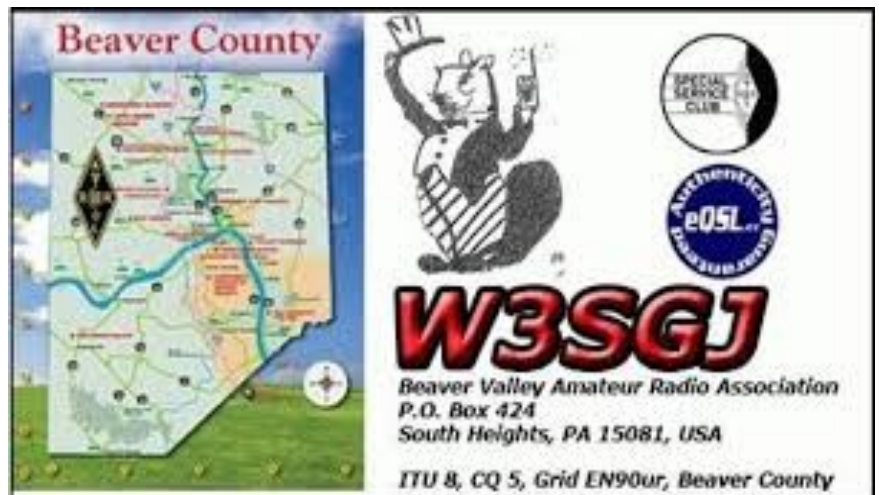
## 2026

Jan 08

Feb 12

Mar 12

Apr 09





# This Month

## ***This Month:***

### ***Speaker:***

Rich Soltesz, K3SOM  
Extra Class Ham, licensed since 1962

## **Our Changing Field Day**

Continuing with our BVARA Presentation Series this year, our topic this month is about Field Day 2025 and the new direction that we took. Just as Field Day has changed considerably since it first began in 1933, so too has our emphasis this year. With the improving sunspot cycle with one or two more years left for peak conditions, our attention shifted away from competitive numbers; with the heat and humidity conditions, we simply decided to once again, do our best in 2025. With an unexpected Solar Flare on Saturday, our number of contacts took a severe hit on Saturday, especially above 10 MHz.

First, we'll discuss the numerical results that we did achieve. The advertising and related emphasis in who we are and what we do, fell by the wayside this year. The results were less than stellar. Then we'll compare the results of each year since 2012. It's always interesting to look at several key factors, some of which may just surprise you.

Please view our information this year, as we ignored the 95-degree temperatures and the very real threat of severe winds, thunderstorms, and rainfall. We concentrated on people and their contributions to our Field Day with few new and some old visitors. With only three operators over the entire 24-hour period, the results reflected the lack of ham operators even though we could have set up two more stations.

**Details for July 10th:** VE Testing: 5:00 pm, Meeting: 6:30 pm, Presentation: 7:00 pm



# More this Month

## Weekly

Thursday Morning Breakfast  
(or you can have lunch)

**Come join us!**



## BREAKFAST

The BVARA meets every Thursday at the Freedom Square Diner in Center Township, just to the right of the Cinemark Center Township Marketplace at 09:30 AM. All radio amateurs and those interested in amateur radio are encouraged to come join us at our Thursday morning breakfast.



## See you

RACES / ARES

The eQRM Urges All County Hams to Participate.



The Freedom Square Diner in Monaca has a great wait staff. Come let them take your order.

The eQRM urges all Beaver County licensed amateurs to participate in the County's RACES and ARES programs.

Any Beaver County Amateur that is interested in participating in the RACES/ARES programs can do so by checking into the Beaver County Public Service Net which meets every Monday evening at 8:30 PM local time on the WW3AAA 146.850 MHz repeater (131.8 PL)

# Get your License or Upgrade

If you are interested in getting your first FCC license or upgrading your current amateur radio license, the Beaver Valley Amateur Radio Association holds VE Test sessions (Volunteer Examinations) the second Thursday of each month at the Beaver County Emergency Services Center in Ambridge Pennsylvania prior to our BVARA Club meeting. If there is no meeting there is no test session. Please come take your test with us!

For more information, contact :  
Rich Soltesz, K3SOM  
(724) 847-0610  
k3som@arrl.net



## VE TEST SESSIONS

Beaver County Emergency Services Center 351 14th Street Ambridge, PA 15003.  
Tests begin promptly at 5 pm on the same day as BVARA Club Meetings  
(the second Thursday of the month).  
All classes of amateur radio license tests are administered.



ALL candidates MUST bring ALL of the following:

1. 2 forms of I.D. - one MUST be a photo I.D.
2. A pencil AND a pen with blue or black ink.
3. The original AND a photocopy of any valid ham license.
4. The original AND a photocopy of any C.S.C.E.
5. The test fee of \$15 - cash only.
6. Your FRN Number. (free from the FCC, call for details)

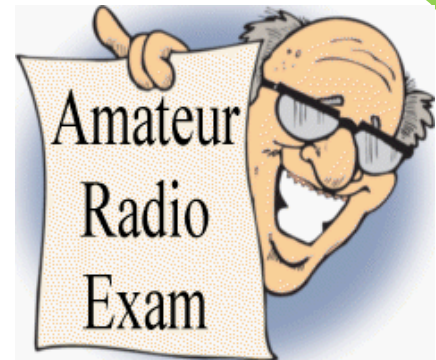




# New License and Upgrades

BVARA VE Testing

## Testing this Month :



### June 2025 VE Test Session Results

Our June VE Test Session had no candidates. but July has candidates who have asked to be tested. Stay tuned!

Testing is conducted at our normal location at the Beaver County Emergency Services Center in Ambridge, PA. Our next VE Test Session will be on July 10<sup>th</sup>, 2025.

All of our BVARA testing would not be possible without the help of the following Extra-Class VE Team members:

Keith Custard – KC3TMC  
Reg Genola – W3REG  
Tony Pavilonis – K3AHP  
Scott Pelkofer - KC3KYZ  
Mick Pyzoha – N3OJP  
Bart Stack – KB3NFM  
Ron Victorelli – KC3TZT  
Bob Winkle – N3AZZ and  
Frank Witkowski – W3FJW



73 from Rich Soltesz – K3SOM, VE Liaison



# Membership Information

By becoming a BVARA member you help secure the future of Amateur Radio in Beaver County. Additionally, the BVARA receives a portion of each ARRL membership you purchase!

## Join the BVARA and ARRL

Sign up for:	Price	
<input type="radio"/> BVARA full membership	25.00	_____
<input type="radio"/> BVARA student membership	15.00	_____
<input type="radio"/> BVARA associate membership	10.00	_____
<input type="radio"/> BVARA Child under 21 at home membership	5.00	_____
A Club Donation		_____
	Total	Enclosed _____

ARRL Member?      Yes      No

Your License Class (If you have one.)

<input type="radio"/> Technician	Name _____
<input type="radio"/> General	Address _____
<input type="radio"/> Advanced	_____
<input type="radio"/> Extra Class	Email _____
	Phone _____
	Your Call sign _____
	Your Signature _____

Make check or money order payable to:

The Beaver Valley Amateur Radio Association, P.O. Box 424  
South Heights, Pa 15081



# Hamfests & General Announcements

## Hamfest

The Wattsburg Wireless Association holds an annual hamfest in the month of July. The hamfest is held at the Greene Township Municipal Building parking area. The exact date is announced in April but it usually falls on the second Saturday of July.

## July 2025



2025 NWPA Hamfest **Saturday July 12th**

Same great location! Open **8:00 am - 12:00 PM** Tailgate setup Starts at **7:30 am** Rain or Shine. **(Inside spots available if it rains.)**

**Amateur Radio, Computers, Fun & Fellowship**

Sponsored by the **Wattsburg Wireless Association**

An American Radio Relay League - ARRL sponsored event.

**Greene Township Municipal Building**

9333 Tate Road, Erie, PA. 16509

**Talk-ins on 147.315 - 147.915 PL:186.2**

Visit our web page at <https://www.wattsburgwireless.org> for more details and updated information.

**NOTE: 2025 SPECIAL** - Free Hamfest no charge for Tailgaters/ Vendors or attendees. Tables are also free if you need one.

## NW PA HAMFEST

NW-PA-Hamfest - Rm. 114  
9333 Tate Road Rd  
Erie, PA 16509

# Hamfests & General Announcements

## Highlights:

### FREE Hamfest

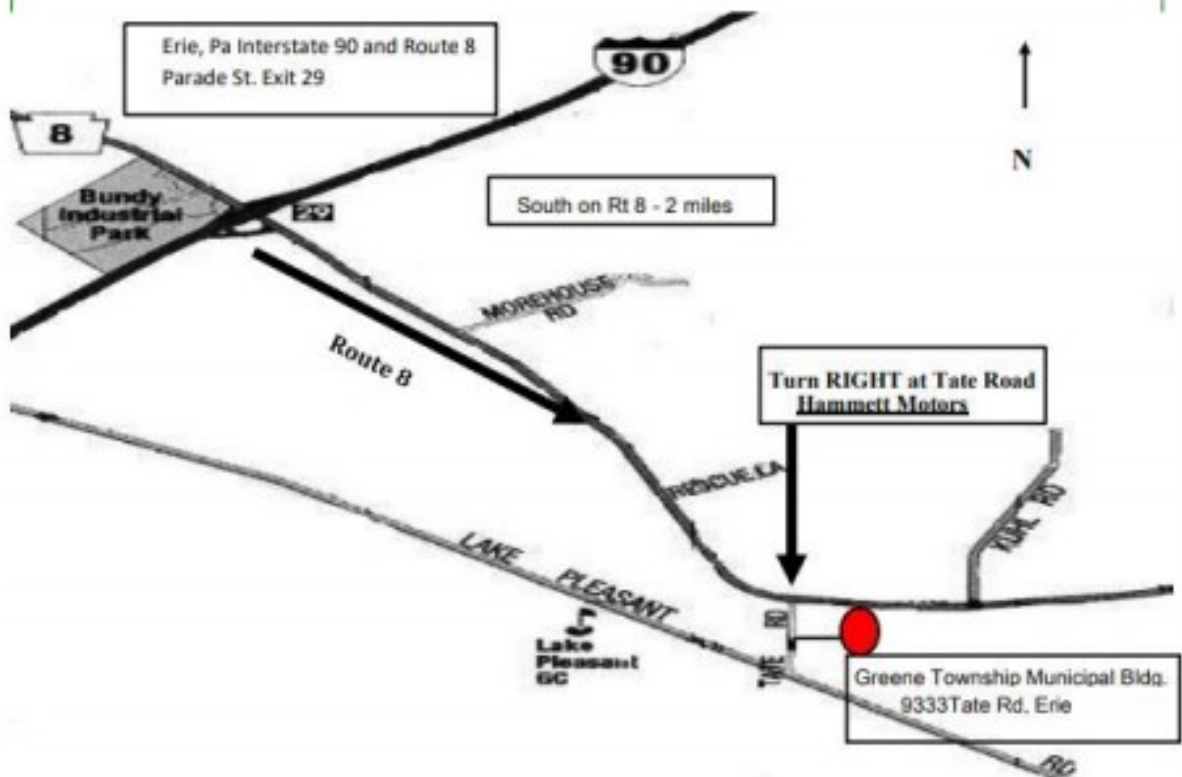
Tired of Being Stuck in The House?  
Come out with something to sell  
or just come out to visit.

- Admission Gate Fee—Free
- Tailgating & Parking Area - Free
- Flea Market Tables—Free
- RAIN or SHINE
- Coffee, Donuts, Burgers, Hot Dogs,  
Pop and Water will be there for sale!

\*\*\*\*\* VE Exam at 9 AM (Prevailing Fees Apply) \*\*\*\*\*

## FREE HAMFEST

SATURDAY JULY 12, 2025 8:00 AM to 12:00 PM



# Hamfests & General Announcements



## Somerset County PA Hamfest

Presented by the Somerset County Amateur Radio Club  
P.O. Box 1241  
Somerset, PA 15501

**Talk-In on K3SMT Repeaters**  
147.195+ PL 123 and 443.250+ PL 123



ARRL  
Sanctioned

**Date Change**

**Same Place**

**Free Parking**

**Free Coffee**

**Sunday, July 20, 2025 – 8:00 AM to 1:00 PM**

**Where:** Somerset County Technology Center  
281 Technology Drive, Somerset, PA 15501  
*Grounds Open at 6:00 AM for vendors and tailgaters.*

Entrance Fee: **Adults \$5.00, children under 13 FREE**

Indoor Tables: Pre-Registration Required

Outside Tailgating: **FREE**

**ARRL VE Testing**  
at 10:00 AM  
Fee \$15.00

### Main Prizes by KJI Electronics

#### FIRST PRIZE

Yaesu FTM-MORAPF Dual Band Mobile

#### SECOND PRIZE

BigExpert AA-600ZOOM Antenna Analyzer

#### THIRD PRIZE

Yaesu FT-700R 144/430 Dual Band HT

#### FOURTH PRIZE

Yaesu FT-4XR 144/430 compact Dual Band HT

#### FIFTH PRIZE

Inovato QuadraK with HamClock

#### SIXTH PRIZE

Inovato QuadraK with HamClock

Main Prize Tickets \$1.00 each or 6 for \$5 or 16 for \$10  
Additional main prizes from DX Engineering

Door prizes from KJI and more!  
and Black Box Drawing - 60 tickets at \$6.00 each

10:00 AM Presentation by National Weather Service, including a Skywarn update  
1:00 PM Western Pennsylvania Region Council Meeting



**No-cost Pre-Registration  
REQUIRED**  
for indoor space  
contact Stew, AK3J at  
ak3j@arrl.net or 814-444-0637  
for flyer updates visit  
<https://k3smt.org>

#### Directions from PA Turnpike Exit 110

Go straight off  
ramp and turn left  
at 4th stoplight onto  
Route 31 East

Go 2.0 miles and  
turn left onto  
Technology Drive.

The Hamfest will be  
on your right  
behind the building

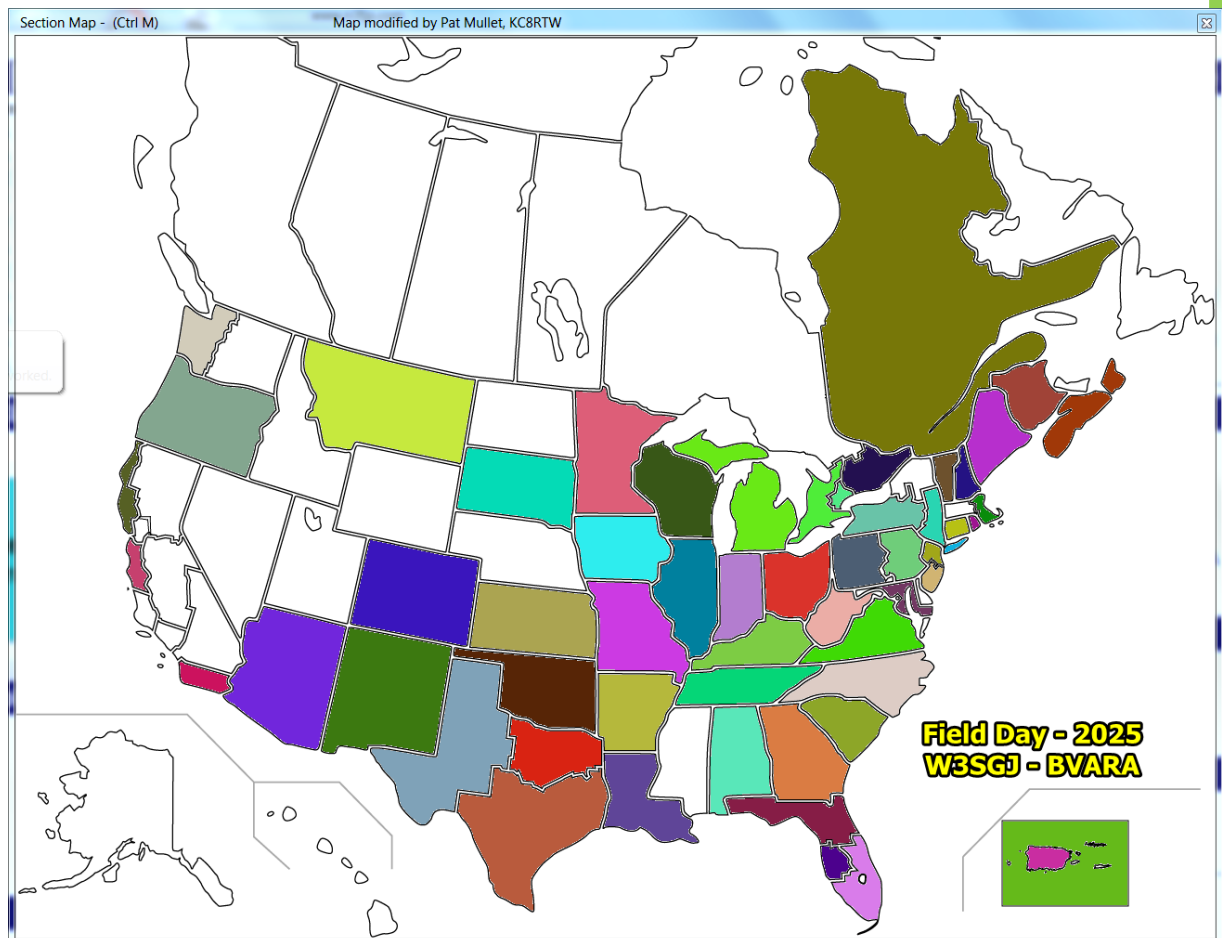


For more local events and attractions see: <https://www.golaurelhighlands.com>  
for Hamfest updates [Home - Somerset County Amateur Radio Club \(k3smt.org\)](https://www.somersetcountyarc.org) and  
[www.arrl.org/hamfests/somerset-county-arc-hamfest](http://www.arrl.org/hamfests/somerset-county-arc-hamfest)



# Of Interest to All

**These are the places  
we made contact with on  
Field Day 2025.**



## The BVARA Field Day of 2025



Just as Field Day has changed considerably since it first began in 1933, so too has our emphasis this year. With the improving Sunspot Cycle with about a year left for peak conditions, our attention shifted away from competitive numbers. With the heat and humidity conditions, we simply decided to once again, do our best in 2025. With an unexpected Solar Flare on Saturday, our number of contacts took a severe hit on Saturday, especially above 10 MHz. Static crashes quickly shut down 80 meters, and on 160 meters, the static crashes were almost continuous at about 20 dB over S9 – all noise.

To make matters worse, three heavy downpours with lightning and higher winds further shortened our ability to make contacts. 10, 15, and 20 meters were mostly unusable with some short skip available on 20 meters. Both 6 and 160 meters were unusable. Finally, we only had three operators for the entire 24-hour period.

### **Potluck Dinner**

Prior to our arrival at the Old Economy County Park, the park maintenance crew had cut the grass and blown away any leaves or debris from inside Shelter 4. It was as if our arrival had to have everything in order for the BVARA!

# Of Interest to All

As 5:30 PM approached, members and family began gathering at Shelter 4 with covered dishes that, in a word, were delicious. So many choices among breaded and roasted chicken, hot dogs, smoked ham, pierogi, baked beans, and haluski started the buffet line. A variety of side dishes and salads complemented the taste buds. Following were assorted cookies and deserts to round out your choices.

People moved about following many of the conversations of interest to them. Despite the weather, a sense of camaraderie seemed to keep away the high humidity and temperatures. The bug population was noticeably reduced this year to add a bit to one's personal comfort. Conversations continued until well after dark. No one went home hungry!

## **Field Day Setup and Startup**

David Covalt, KC3BXC arrived at about 8:30 AM to prepare breakfast for all of those who stayed overnight and for those just arriving for the day. Those were probably fresh eggs from his farm.

Setting up the antennas was the next order of business while temperatures were cooler. The Spider Beam, a light-weight 10-element wire Yagi was raised to almost 35 feet above the ground with a setup crew of about eight hams. Experience from previous years helped to make the process and stability better this year with substantial guy wires and enough personnel to minimize any accidents or injuries. Success!

The 60 to 90 foot Inverted-L vertical was next with an LDG remote Auto tuner at the base and about six long radial wires deployed on the ground in various directions. SWR values under 1.7:1 were obtained on all Field Day bands from 160 through 6 meters. In addition, two more smaller Verticals were raised for the other stations to use.

About an hour before the start of Field Day, we gathered with our Red Cross representative, Rich Kulbicki, KC3TOO for a group photo prior to the start of the event at 2:00 PM EDT.

A small delay in the network setup was traced to two Wireless USB-sticks that had to be interchanged with each other. Then the entire network came up and operated flawlessly for the entire 24-hour period. A UPS with battery backup never lost power, but it was there, just in case!

## **Field Day Two, Shutdown, and Pack Up**

With the smell of freshly brewed coffee, Orem's doughnuts, and Orange Juice, a new day began. 10 meters was opening up so a few contacts were made there. Moving down to 15 meters, many more stations were calling CQ and it was like picking the low-hanging fruit.



# Of Interest to All

What would 20 meters be like? 20 meters was **HOT!** Wall-to-wall activity from California to Washington to North Dakota and down to the Southwest part of the country were all coming in. We continued to work as many as we could until time was up.

More members and family came to help with the teardown and pack up activities. Everyone pitched in and helped out. No rush, it was hot, and we could be a bit more relaxed now.

Did we set any new records or try something new? Yes, we used WinLink to send messages using RF to other hams across the country to gain some bonus points that were added this year. Some new vertical antennas were tried out, and returning hams from a first-time last year came back and hit the ground running with their enjoyment of the 'Search and Pounce' style of operating Field Day.

No two Field Days are the same. New challenges and equipment or cable failures teach us to be prepared, should an actual emergency event occur. "When disaster strikes, ham radio is there to help provide emergency communications."

Some Potluck Dinner photos accompany this article and the full complement of 2025 Field Day photos will soon be available on our [Flickr.com/photos/W3SGJ](https://www.flickr.com/photos/W3SGJ/) web site. Stay Tuned!  
Rich – K3SOM



Lois and Rich Kulbicki KC3TOO

# Of Interest to All



Jim Allen KC3IXE and Tony Pavilonis K3AHP



Pam W3PMS and Jack Spencer KZ3Z



# Of Interest to All



Dan Grazulic KB3VSP



Doug N4YKQ and Celeste Hanna



# Of Interest to All



David Covalt KC3BXC



Team effort to set up Spider beam antenna.

# Of Interest to All



***When :*** August 09, 2025 at 5 PM

***Where :*** Old Economy Park Pavilion #01

***Who :*** All BVARA members, family and guests

# Of Interest to All

## BVARA Coming Attractions



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### July 2025

**POTA**

**Club Meeting**

**Hamfests**

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### August 2025

**BVARA Club Corn Roast**

**Several Hamfests**



# Bits and Pieces

Hello all,

I am just going to jump in, Field Day. Wow! If we were using the glass half full or half empty...the BVARA club members present and those that weren't; They all drank the glass empty, problem solvers. What do I mean by that? Everyone solved the challenges! We worked as a team.



I vote some nominees for Ham of The Year. I know I will be missing some details; here is what I can think of for now.

Doug Hanna-outstanding supervision & technical expertise pertaining to the set-up of the spider beam, trustee for the Club, informative emails, along with storage of BVARA Club supplies & more. Pam and Jack Spencer-more than I know about... so many behind the scenes and stuff we all could see. Reservation of the pavilion, reimbursing members for what they spent supporting this event, breakfast burritos, pizza, spider beam storage along with other BVARA Club supplies and equipment. Spencer and Quentin Greenholt-these two are brothers. They were the "stealth help", they were everywhere doing anything that needed done. Spider beam set-up, carrying anything that needed moved, placing ground radials and ground rods. Spencer operated a station. There was more I didn't even see. Rich Soltesz-so many things I don't even know, programming the PCs of Club members to track contacts, food, extra equipment, coordinating the "central hub computer" for contact tracking, positive influence, But wait; there is more...Tom Stoops-One of the things he did was make sure he had someone take over his responsibilities at Field Day so he could enjoy some, well deserved, personal family business. He didn't forget to make sure the BVARA business was covered. There are so many BVARA members and their family members I didn't mention that made this Field Day a success. I thank you all! With all admiration, I had my child like Christmas gift Field Day Dream fulfilled once again.

I had a lovely time. The last day of Field Day, there were three of us sitting under the shade of the pavilion; Jeff Waite, Doug Hanna and me (David Covalt) were the last to leave. After Jeff and Doug left, I did one last walk around to see if anyone accidentally left something and a litter patrol. I just didn't want Field Day to end. I had one last moment to savor it all. Thanks everyone present, those that supported without being there and those that did things behind the scenes to make this a great BVARA event.

Till next month...



Clear on your final, but I will be monitoring.



# Radio Sport

## Contest Corral

July 2025

Check for updates and a downloadable PDF version online at [www.arrl.org/contest-calendar](http://www.arrl.org/contest-calendar).

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start - Finish		Date-Time		Bands	Contest Name	Mode	Exchange	Sponsor's Website
Date-Time	Date-Time							
1	0000	1	2359	1.8-28,50,144	RAC Canada Day Contest	CW Ph	RS(T), VE prov/terr or serial	<a href="http://www.rac.ca">www.rac.ca</a>
1	0100	1	0159	1.8-28,50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM-YL-youth YL-youth)	<a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>
1	0300	1	0400	1.8-28	QCX Challenge	CW	RST, name, SPC, rig type	<a href="http://www.qrp-labs.com">www.qrp-labs.com</a>
1	0300	1	0400	1.8-28	ICWC Medium Speed Test	CW	Name, serial	<a href="http://internationalcwcouncil.org/mst-contest">internationalcwcouncil.org/mst-contest</a>
2	1700	2	2100	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid	<a href="http://www.ft8activity.eu">www.ft8activity.eu</a>
3	0000	4	0300	7	Walk for the Bacon QRP Contest	CW	RST, SPC, name, mbr or pwr; 13 WPM max	<a href="http://qrptest.com/pigwalk40">qrptest.com/pigwalk40</a>
3	1800	3	2200	28	NRAU 10m Activity Contest	CW Ph Dig	RS(T), 6-char grid	<a href="http://nrau.net">nrau.net</a>
3	1900	3	2100	1.8-28,50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
4	0100	4	0130	1.8-28,50	NCCC FT4 Sprint	Dig	4-char grid	<a href="http://www.ncccsprint.com/ft4ns.html">www.ncccsprint.com/ft4ns.html</a>
5	0000	5	2359	1.8-28	Venezuelan Independence Day Contest	CW Ph Dig	RS(T), serial	<a href="http://radioclubvenezolano.org">radioclubvenezolano.org</a>
5	0000	5	2359	1.8-28,50	FOC Old School Classic 1960s QSO Party	CW	Actual RST, 3-letter class, year first licensed, name	<a href="http://www.g4foc.org">www.g4foc.org</a>
5	0800	6	1100	3.5	NZART Memorial Contest	CW Ph	RS(T), serial	<a href="http://www.nzart.org.nz">www.nzart.org.nz</a>
5	1200	6	1200	50,144	CQ Worldwide VHF SSB/CW Contest	CW Ph	4-char grid	<a href="http://www.cqww-vhf.com">www.cqww-vhf.com</a>
5	1200	6	1200	50,144,432	TA VHF/UHF Contest	CW Ph	RS(T), serial, 6-char grid	<a href="http://trac.org.tr">trac.org.tr</a>
5	1400	6	1400	1.8-28	Marconi Memorial HF Contest	CW	RS(T), serial	<a href="http://www.arifano.it">www.arifano.it</a>
5	1500	6	1500	3.5-14	Original QRP Contest	CW Ph	RST + serial + "/" + pwr category	<a href="http://www.qrpcc.de">www.qrpcc.de</a>
5	2000	6	2000	7	PODXS 070 Club 40m Firecracker Sprint	Dig	RST, SPC	<a href="http://www.podxs070.com">www.podxs070.com</a>
7	1630	7	1729	3.5,7	OK1WC Memorial (MWC)	CW	RST, serial	<a href="http://memorial-ok1wc.cz">memorial-ok1wc.cz</a>
7	1900	7	2030	3.5	RSGB 80m Club Championship, CW	CW	RS(T), serial	<a href="http://www.rsgbcc.org">www.rsgbcc.org</a>
8	0000	8	0200	3.5-28	ARS Spartan Sprint	CW	RST, SPC, pwr	<a href="http://ars-qrp.com">ars-qrp.com</a>
8	0100	8	0159	1.8-28,50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM-YL-youth YL-youth)	<a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>
8	1800	8	1929	3.5,7	DARC RTTY Sprint	Dig	RST, (DOK/"NM") or serial	<a href="http://www.darc.de">www.darc.de</a>
9	1145	9	1300	1.8-28	A1Club AWT	CW	RST, name	<a href="http://a1club.org/contest/awt">a1club.org/contest/awt</a>
9	1700	9	2100	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid	<a href="http://www.ft8activity.eu">www.ft8activity.eu</a>
12	1200	13	1200	1.8-28	IARU HF World Championship	CW Ph	RS(T), IARU HQ soc or ITU zone	<a href="http://www.arrl.org/iaru-hf-world-championship">www.arrl.org/iaru-hf-world-championship</a>
12	1200	13	2359	1.8-28,50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
13	2000	13	2300	1.8-28	QRP ARCI Summer Homebrew Sprint	CW	RST, SPC, mbr or pwr	<a href="http://qrparci.org">qrparci.org</a>
14	0000	14	0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or pwr	<a href="http://www.4sqrp.com">www.4sqrp.com</a>
15	0100	15	0159	1.8-28,50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM-YL-youth YL-youth)	<a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>
16	1700	16	2100	1.2G	VHF-UHF FT8 Activity Contest	Dig	4-char grid	<a href="http://www.ft8activity.eu">www.ft8activity.eu</a>
16	1900	16	2030	3.5	RSGB 80m Club Championship, SSB	Ph	RS + serial	<a href="http://www.rsgbcc.org">www.rsgbcc.org</a>
17	0000	18	0300	14	Walk for the Bacon QRP Contest	CW	RST, SPC, name, mbr or pwr; 13 WPM max	<a href="http://qrptest.com/pigwalk20">qrptest.com/pigwalk20</a>
17	0030	17	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, (NAQCC No./pwr)	<a href="http://naqcc.info/sprint_rules.html">naqcc.info/sprint_rules.html</a>
17	1900	17	2000	3.5-14	NTC QSO Party	CW	RST, SPC, mbr or pwr	<a href="http://pi4ntc.nl/ntcqp">pi4ntc.nl/ntcqp</a>
18	0145	18	0215	3.5-28	Weekly RTTY Test	Dig	Name, SPC	<a href="http://radiosport.world/wrt.html">radiosport.world/wrt.html</a>
19	0000	20	2359	1.8-28	LABRE DX Contest	CW Ph	RS(T), 2-ltr state or 2-ltr continent	<a href="http://www.labre.org.br">www.labre.org.br</a>
19	0700	19	1459	7,14,21,28	Russian Radio Team Championship	CW Ph	RS(T), mbr code or ITU zone	<a href="http://srr.ru">srr.ru</a>
19	0800	19	1400	1.8-7	Trans-Tasman Low-Bands Challenge	CW Ph Dig	RS(T), serial	<a href="http://www.wia.org.au">www.wia.org.au</a>
19	1000	19	2159	3.5-28	YOTA Contest	CW Ph	RS(T), age	<a href="http://yotacontest.mrasz.org">yotacontest.mrasz.org</a>
19	1200	19	1359	1.8-28,50	Feld Hell Sprint	Dig	RST, mbr, SPC, 4-char grid	<a href="http://sites.google.com/site/feldhellclub">sites.google.com/site/feldhellclub</a>
19	1200	20	1200	50,144	CQ Worldwide VHF Digital Contest	Dig	4-char grid	<a href="http://www.cqww-vhf.com">www.cqww-vhf.com</a>
19	1400	20	1400	70	IARU Region 1 70 MHz Contest	CW Ph	RS(T), serial, 6-char grid	<a href="http://www.iaru-r1.org">www.iaru-r1.org</a>
19	1800	20	0559	3.5-28	North American QSO Party, RTTY	Dig	Name, SPC	<a href="http://www.ncjweb.com">www.ncjweb.com</a>
20	0900	20	1600	3.5-14	RSGB International Low Power Contest	CW	RST, serial, pwr	<a href="http://www.rsgbcc.org">www.rsgbcc.org</a>
20	2300	21	0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or pwr	<a href="http://qrptest.com/pigrun">qrptest.com/pigrun</a>
22	0100	22	0159	1.8-28,50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM-YL-youth YL-youth)	<a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>
23	0000	23	0200	1.8-28,50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
24	1900	24	2030	3.5	RSGB 80m Club Championship, Data	Dig	RS(T), serial	<a href="http://www.rsgbcc.org">www.rsgbcc.org</a>
26	0000	27	2359	1.8-28,50,144	MARAC US Counties QSO Party	CW Ph Dig	RS(T), state and county or "DX"	<a href="http://www.marac.org">www.marac.org</a>
26	0000	27	2359	28	FRAPR 10M Contest	CW Ph	RS(T), pwr	<a href="http://www.frapr.org">www.frapr.org</a>
26	1200	27	1200	3.5-28	RSGB IOTA Contest	CW Ph	RS(T), serial, IOTA no.	<a href="http://www.rsgbcc.org">www.rsgbcc.org</a>
26	1200	27	1200	50	ARAM 50 MHz Contest	CW Ph	RS(T), serial, 6-char grid	<a href="http://www.aram.pt">www.aram.pt</a>
26	1500	27	0300	3.5-28	Alabama QSO Party	CW Ph	RS(T), AL county or SPC	<a href="http://alabamacontestgroup.org">alabamacontestgroup.org</a>
27	1700	27	2100	7,14,21,28	ARS Flight of the Bumblebees	CW	RST, SPC, pwr, or Bumblebee number	<a href="http://ars-qrp.com">ars-qrp.com</a>
28	1900	28	2100	3.5-28	RSGB FT4 Contest	Dig	Signal report	<a href="http://www.rsgbcc.org">www.rsgbcc.org</a>
29	0100	29	0159	1.8-28,50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM-YL-youth YL-youth)	<a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>