

THE eQRM

APRIL 2025



The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ



2M Repeater

145.310

PL 131.8



On the Cover: I know we get tired of rain but it is true we need the water. With the rain does come beautiful flowers. Be a duck, enjoy the rain. On the farm my duck does.

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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, KC3RSOS

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.

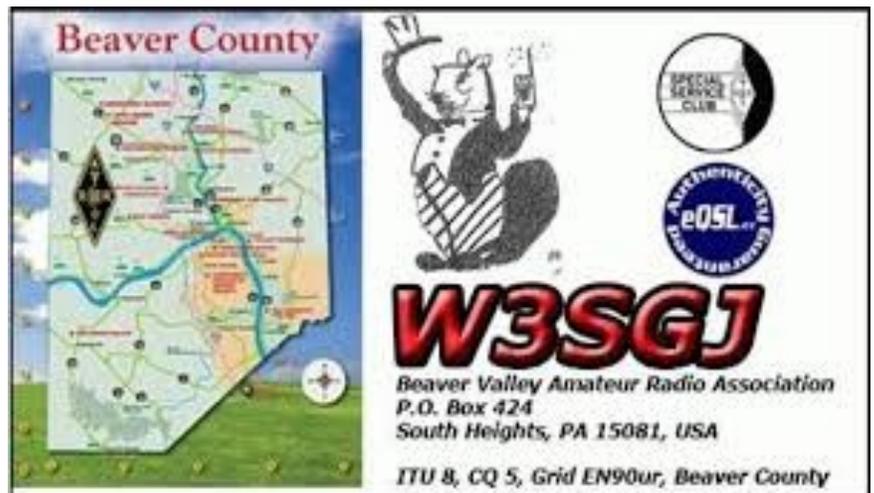
VE testing begins at 5:00 PM.

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

Apr 10
May 08
Jun 12
Jul 10
Aug Corn Roast
Sep 11
Oct 09
Nov 13
Dec Christmas Party



April 01

This Month



This Month:

Speaker:

Rich Soltesz
K3SOM

Topic:

Your Radio Goals and Achieving Them



Including:

Continuing with our BVARA Presentation Series this year, our topic this month is a bit different than many of our previous topics. Although the focus is on high frequency activities, the concepts can be applied to VHF and UHF operating as well.

We'll begin by helping you to set your goals that you wish to achieve, whether they involve operating nets, talking to your buddies, 'rag chewing', serious contesting, station automation, etc. Next, we'll talk about what is involved in making a successful contact that can be tailored to one or more of your goals.

Then we'll consider what constraints you need to consider such as cost, your location, the size of your property, a Home Owner Association (HOA) rule, support of your goals by your significant other, etc.

The importance of each piece of equipment including the location of your station operation and its impact on many aspects of your life. This part could be quite interesting!

But wait, there's more! You already know what is most important and I'll give you some hints: It's bigger than a breadbox, could be horizontal, vertical, NVIS, portable, or even POTA. It's where you can get the most 'bang for your buck'. This is one presentation you won't want to miss!



Rich's Background:

Extra Class Ham, Licensed since 1962, VE,
B.S. Electrical Engineering

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:

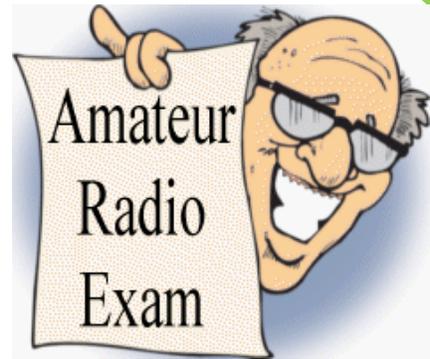
1. 2 forms of I.D. - one MUST be a photo I.D.
2. A pencil AND a pen with blue or black ink.
3. The original AND a photocopy of any valid ham license.
4. The original AND a photocopy of any C.S.C.E.
5. The test fee of \$15 - cash only.
6. Your FRN Number. (free from the FCC, call for details)



New License and Upgrades

BVARA VE Testing

Testing this Month :



March 2025 VE Test Session Results

Our March VE Test Session had two candidates, with one candidate who achieved the highest class of Amateur Radio by passing his Extra test. Our electronic filing system once again worked superbly.

Testing was conducted at our normal location at the Beaver County Emergency Services Center in Ambridge, PA. Our next VE Test Session will be on March 13th, 2025.

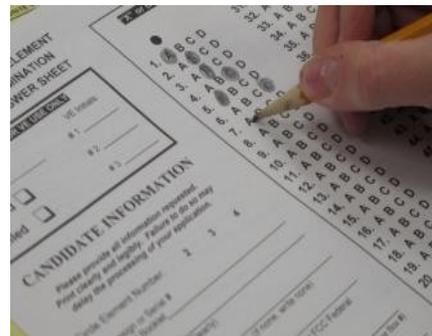
Congratulations to:

- Dan Wilkes, KA3QIF, Extra, Coraopolis, PA

If you hear him on the air, please congratulate him on his achievement! 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	_____
One year ARRL membership	59.00	_____
A Club Donation		_____
ARRL Member? Yes No	Total Enclosed	_____

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



TWO RIVERS AMATEUR RADIO CLUB
53rd ANNUAL AMATEUR RADIO / COMPUTER SHOW
SUNDAY APRIL 6th, 2025 - 8am to Noon
Lincoln Borough VFD No. 184 Social Hall
4312 Liberty Way, Elizabeth 15037

Directions and Mobile Check-in: 147.12 Repeater (PL Tone 131.8)
(Mobile Check-In prize will be awarded. Must be present to win)

Main Prizes:

Xiegu G90 HF 20W Transceiver + Battery (or \$550 Cash!)
Yaesu FTM-500D 144/430 C4FM/FM Transceiver (or \$550 Cash!)
Yaesu FT-70DR Dual Band Digital Handheld (or \$180 Cash!)
Portable Generator

Advanced ticket sales are available to the public and club members at significant savings. Advanced ticket sales form is available the TRARC website <http://www.trarc.org>.

Admission \$5.00

Tables Rentals:

\$15 for a single table
\$12 each for 2 or more tables

Outdoor Tailgating \$10 (bring your own table)

Table/Tailgate Reservations: Please fill out the Exhibitors Application form on the TRARC website at <http://www.trarc.org>

Information: Contact John Moskala K3CRO (Hamfest Chairman) at 412-951-1332

Or Bill Powers KB3WP (Assistant Hamfest Chairman) at 412-260-5699

Or email: hamfest@trarc.org

Overnight parking is available

Amateur Radio Exam Testing is Available

Exam Registration: 412-751-9657 email: KV3L@yahoo.com

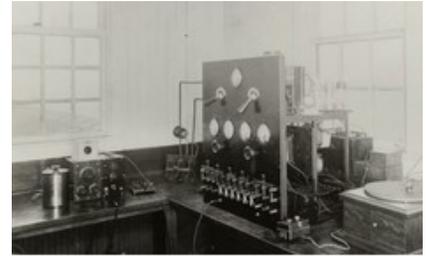
Breakfast Available

This is an ARRL sanctioned hamfest

Of Interest to All



Pittsburgh Antique Radio Society



The Society is dedicated to the preservation and exhibition of historic-communications equipment and early electronic entertainment media, with an emphasis on the Pittsburgh area and related material. Members are encouraged to acquire, restore or replicate historic items and collect publications, recordings and materials related to the history of communications and broadcasting. Visit us at www.pittsburghantiqueradiosociety.org

Tri-State Radio Fest! April 27, 2025

8:30AM - 4PM

CENTER STAGE BANQUET HALL 1495 OLD BRODHEAD ROAD MONACA, PA 15061

\$7 GENERAL ADMISSION

\$25 First Flea Market Table, \$12.50 for Additional Tables, setup 6:30AM

The auction is our standard 10/10 format—Cash only—Buyer and seller each pay 10% of any sale to PARS

CONTEST: Cathedral & tombstone Radios 1-2-3 prizes for the best radio entered in the contest, as voted by all TSRF attendees!

The Tri-State Radio Fest is PARS' largest annual event with a large combination flea market and auction, plus with 1-2-3 winners get prizes. TSRF 2025 will be better than ever. If you are a member, then you will receive a brochure with a table reservation form for flea market tables. Center Stage sells food so no outside food sales are permitted. Wrist bands are handed out to table owners and must be worn unless you want charged twice! **The flea market is open from 8:30, with the auction starting around 11:30.** The auctioneer is Cledis Estes of Estes Auctions in Ohio. Please, NO COMPUTER HARDWARE.

Of Interest to All



Electric vehicle Advancements



Scientists and engineers have been making huge advances in electrical technology specifically benefiting the electric car industry.

Batteries have been the standard of the electric car industry for power storage. With the demand for more electric cars, new ways to store electricity to power them has been advanced... There have been two areas of the research.

First is the huge advance in capacitor electrical technology. Advanced capacitors can now accept an electric charge faster than batteries and a smaller size relative to batteries is also noteworthy. The smaller size and lighter weight give the cars a longer run time enhancing distances traveled between charges. With less weight electric trucks will be able to carry a heavier pay load. Quicker recharges will also enable a faster return to the road to deliver their payload.

The second important area of advance is in the crystal growth industry. Crystals in the form of semi-conductors have been long used in many ways with electricity. One major advancement in the past was the invention of transistors. Transistors had a profound effect on all electronics, and semiconductors as a whole continue today. Radios and TVs got much smaller, energy efficiency increased, and many more improvements were made. The semi-conductor revolution is for another complete article. I don't want to go into much more detail.

Back to capacitor advancement; traditional electrolytic capacitors in a simple description have two conductive plates separated with an insulator. The new capacitor has two specially shaped conductors separated by a semi-conductor. The semi-conductor can act as a conductor or an insulator. The semi-conductor is a minimally flexible crystal. This flexibility aids in the ability of the capacitor to be shaped many ways. This means they can be incorporated / placed anywhere in the vehicle.

Here is the major advance. During charging, the semi-conductor has a small electrical charge placed on it causing almost a dead short. This has the effect of making the capacitor able to charge at an impressively fast rate! Due to the shape of the conductive plates, a much higher charge can be taken. This higher charge makes the capacitor capable of storing more energy than a battery of the same size. Batteries can no longer compete with capacitors. The advanced capacitors can charge much faster and hold a larger charge, pound for pound.

The CEO for "Thomas Fulls Electronics" expects the new capacitors to become incorporated in electric cars and trucks in the spring of 2027. The advanced capacitor company will be run by and named for his daughter April.

Of Interest to All

Special Events for April 2025*

Selected Events of Interest to BVARA Members

Apr. 10, 1500Z – 2000Z, KA4TAL, Conway, SC. Horry Post 111, The American Legion Amateur Radio Club. **Honoring the 100th Anniversary of American Legion Horry Post 111.** 7.185 7.264 14.255 14.275. Certificate. The American Legion Amateur Radio Club, Horry Post 111, 3003 Highway 701 North, Conway, SC 29526. E-certificate; QSL card upon request. Send email to talarcpost11sc@gmail.com. www.horrypost111.org/amateur-radio-club

Apr. 12, 1600Z – 2300Z, NI6IW, San Diego, CA. USS *Midway* Museum Ship. **Operation Frequent Wind.** 7.250 14.320; 14.070 PSK31; D-STAR on PAPA System Repeaters. QSL. USS *Midway* Museum Ship COMEDTRA, 910 N. Harbor Dr., San Diego, CA 92101. www.qrz.com/db/ni6iw

Apr. 18, 1300Z – 2000Z, W2JLD, Rochester, NY. ROC-HAM Radio Network. **World Amateur Radio Day 2025.** AllStar: 2585, 47620, 531310; EchoLink: ROC-HAM CONFERENCE; DMR TGIF Talk Group 2585; 20 m, 14.316, 40 m, 7.266. Certificate & QSL. John Derycke, 85 Amherst St. #2, Rochester, NY 14607. www.roc-ham.net/ward-2025

Apr. 19 – Apr. 20, 1300Z – 2359Z, N6AJ, Bakersfield, CA. Terry Godley. **World Amateur Radio Day.** 14.074, 28.425; 10 – 40 meters, FT8, SSTV. QSL. Terry Godley, 2701 Fordham St., Bakersfield, CA 93305. *Also participating, W6W, W6A, W6R, and W6D.*

*Courtesy of ARRL.org, *QST Magazine*, Special Event Stations, April 2025

Of Interest to All



The following message is from the groups.io page of K3MJW regarding the **Bus Ride to the Dayton Hamvention** from the Beaver County Triple 'A' organization:

This is a reminder that the Triple 'A' Amateur Radio Association in Beaver County is sponsoring a coach trip to the Dayton Hamvention on May 17; the cost is \$100 and includes your seat on the coach and your admission ticket to the Hamvention. The coach leaves at 3:00 AM from the Northern Lights Shopping Center on Rt 65 in Baden; we will stop for breakfast while enroute, with an approximate arrival time of 8:30-8:45 AM; the coach will leave the Hamvention at 5:30, stop for dinner along the way and return to Northern Lights at approximately 10:00 PM. **Cutoff date for reservations is April 15**, so if you're interested please get in contact with Bill Bozek, N2MQK at 724-709-5986 as soon as possible to get your reservation in; seats are going fast, so lock yours in before they're all gone! Remember, you can't drive to Dayton and back as cheaply as what you're getting for a comfortable coach ride, ham radio fellowship, some new ham gear and memories of a great experience! Hope to see you on the trip!!!

73,
Dom Bedolatti, N3EJL
President, Triple 'A' ARA, Inc.
ACS/ RACES Officer
ARRL/ ARES Emergency Coordinator,
Beaver County, PA
724-987-3018



(Thanks to K3MJW groups.io and to Dom Bedolatti, N3EJL from the Triple 'A' ARA, Inc)

Of Interest to All

Remember back when you could communicate by “Pay Phone” for ten cents? This page is for anyone who wants to communicate with the BVARA community and beyond.



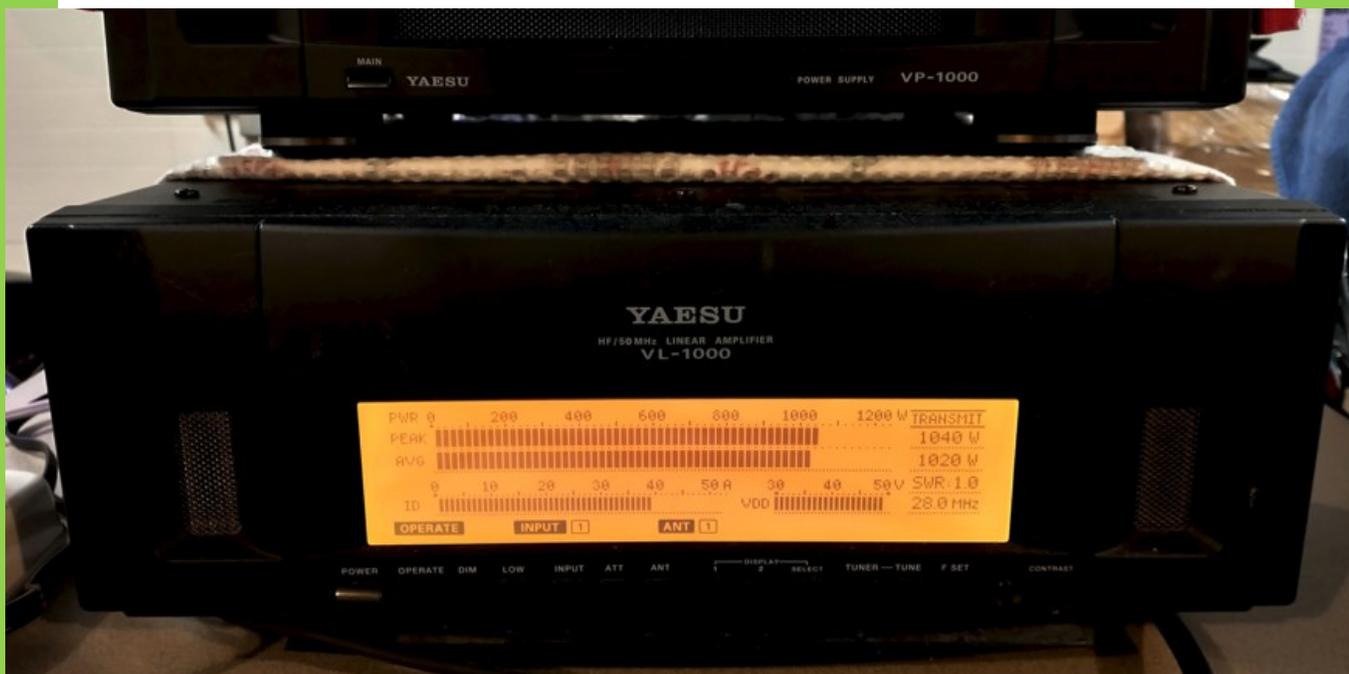
Please send me your article that you would like posted on this page. Please, only topics and language in good taste. As the editor I reserve the option to post it or ignore it. Send your dime to me at: kc3bxc.73@gmail.com

Of Interest to All

For sale

Yaesu VL-1000 Linear Amplifier and Matching VP-1000 Power Supply

Albert Belardia, WA3GFM, 86, passed away on Tuesday (September 27, 2022) at his home in Aliquippa, PA. Al was an active member in the *Beaver Valley Amateur Radio Association* and spent hours reaching out to amateur radio operators all over the globe. He made friends with contacts in over 320 Countries and on every Continent. With confirmed DXCC contacts on over 4-½ HF bands, Al was this close, to his goal of five-band D



For sale is his VL-1000 HF / 50 MHz Solid-State Linear Amplifier and VP-1000 matching Power Supply that operates on 120 to 230 VAC. The Linear Amplifier includes a built-in auto-sense tuner with 240 memories. Connecting to a non-Yaesu transceiver is also possible because the internal processor will measure the transceiver frequency and automatically switch to the appropriate band and auto tuner settings. The estate asked the BVARA to assist in finding suitable homes for his prized equipment.

Continued on
next page

Of Interest to All

Included with the Linear Amplifier and Power Supply are:

- Original 2005 invoice
- User manuals for each unit
- Factory/vendor triple boxes for each unit
- Power Supply service invoice document
- AC power cord with a 20-Amp, 220 VAC twist-lock plug
- DC cable that runs from the P/S to the amp
- Data Band 1 cable (8-pin DIN <-> 8-pin DIN, 2 meter)
- Data Band 2 cable (D-sub 15-pin <-> 1/8" miniature, 2 meter)
- Connecting cables for non-Yaesu transceivers (ALC and Transmit cables are not included but are straight forward. All amplifier connectors are described in the 20-page User Manual)

Last year the unit was unboxed, connected to a suitable dummy load and powered up on all bands to verify its operability. The *attached photo* shows full output on the 10-meter band. Al, WA3GFM was the original and only owner of the equipment and was a non-smoker. He was meticulously proud of his equipment and always took excellent care of all of his ham radio equipment.

The club is asking \$2,400 for both units and would consider a reasonable offer. These units are in excellent condition and would be a welcome addition to your station. Questions and serious inquiries should be directed to **Dan Grazulis, KB3VSP** at (724) 612-8043 (cell **phone**) who performed the check-out and operability of the units.

Rich Soltesz, K3SOM

Of Interest to All

BVARA



April 2025 Could be the Month with the Most QSO Parties

Two Rivers ARC 53rd Annual Hamfest, Lincoln Boro VFD, Elizabeth, PA, April 6th

State QSO Parties:

Louisiana, Mississippi, Missouri, April 5th – 6th

Texas, New Mexico, Georgia, April 12th – 13th

Nebraska, Michigan, Ontario, Quebec, April 19th – 20th

Florida, April 26th – 27th

State Parks On The Air (POTA) QSO Parties:

Florida, Georgia, April 5th – 6th

Tri-State Radio Fest, Sunday April 28th at the Center Stage Banquet Hall in Monaca, PA 1495 Old Broadhead Road. The BVARA will have a Table there with some interesting memorabilia as well as some select items for sale.

May 2025

Lots of good stuff , I'll keep you posted next month.

Bits and Pieces

Hello all,

Mother Nature sure has been teasing us. Nice and warm one day then we wake to a snow dusting and rain. Wow, so much rain. This is April and rain is what is expected now. The beautiful flowers are the payment for putting up with all the rain. Thanks, Mother Nature.



What are your radio hobby plans? Will you be attending some hamfests? Maybe there are some major upgrades to your station in the works? I have some improvements I want to make. I have a 500-watt amp, a tuner and a new HF antenna just waiting to make it to the working side of my radio desk. With spring time on the farm, there is little time for radio pleasures. I just need to be more efficient with my work schedule...I think. All good things in all good time. But gee whiz, I sure can't wait to hook these station improvements up! What about you?

Recently I made my first out of the United States contact. I have been an amateur extra radio operator for over ten years. I was on 40 meters one evening (03 March 2025) tuning around. I had the privilege to contact VE2HOG, Chad from Temiscaming, Canada. We had a wonderful 5-9 QSO for about an hour. This contact made me so excited! Other radio operators may find this a small achievement, for me it is huge! I was so excited I had to share my radio experience with someone that would appreciate my excitement. Thanks for listening and humoring me Rich K3SOM. I am so happy with my first country contact that wasn't in the US in my log. What is your first out of the US contact? Did you get as worked up as I am? I am still excited! I hope you share in the radio excitement of this ham.

Speaking of things that I can't wait for. Field Day is not too far away! If you have read this newsletter for any amount of time you know my Christmas child-like love for Radio Field Day! What do you want to do for Field Day? Please by all means get involved in every way you can. Do what ever you can. It can be a small thing or large. What ever you do just get involved! If you are part of the BVARA your participation is greatly appreciated! Get in the excitement and have some radio fun! It's never to early to plan for Field Day.

The article about advanced capacitors in electric vehicles on page 11 may have some merit in the radio hobby. Be sure to read about it.

Till next month...

Clear on your final, but I will be monitoring.



73 KC3BXC



Radio Sport

Contest Corral

April 2025

Check for updates and a downloadable PDF version online at 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		Bands	Contest Name	Mode	Exchange	Sponsor's Website	
Date-Time	Date-Time						
2	2000	2 2100	3.5	UKEICC 80m Contest	Ph	6-char grid	www.ukeicc.com/80m-rules.php
3	0000	4 0300	7	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or pwr	qrptest.com/pigwalk40
3	1700	3 2000	3.5	SARL 80m QSO Party	Ph	RS, serial, grid locator or QTH	www.sarl.org.za
3	1800	3 2200	28	NRAU 10m Activity Contest	CW Ph Dig	RS(T), 6-char grid	nrau.net
5	0000	6 2359	1.8-28	YBDXPI SSB Contest	Ph	RS, serial	contest.ybdxpi.net
5	1200	6 1200	3.5-28	EA RTTY Contest	Dig	RSQ, province or serial	concursos.ure.es
5	1200	6 1200	1.8-28	RSGB FT4 International Activity Day	FT4	Signal report	www.rsgbcc.org
5	1200	6 2359	No WARC	Georgia State Parks on the Air	CW Ph Dig	RS(T), park nbr or SPC	gaparks.org
5	1400	6 0200	1.8-28,50,144	Louisiana QSO Party	CW Ph Dig	RS(T), LA parish or SPC	laqp.louisianacontestclub.org
5	1400	6 0200	1.8-28,50,144	Mississippi QSO Party	CW Ph Dig	RS(T), MS parish or SPC	www.arrlmiss.org
5	1400	6 2000	1.8-28,VHF/UHF	Missouri QSO Party	CW Ph Dig	RS(T), MO county or SPC	www.woma.org
5	1400	6 2200	3.5-28	Florida State Parks on the Air	CW Ph Dig	Park nbr or SP	flspota.org/rules
5	1500	6 1500	1.8-28	SP DX Contest	CW Ph	RS(T), SP province or serial	spdxcontest.pzk.org.pl
7	1900	7 2030	3.5	RSGB 80m Club Championship, CW	CW	RST, serial	www.rsgbcc.org
12	0000	12 0600	1.8-28	QRP ARCI Spring QSO Party	CW	RS, SPC, mbr or pwr	qrparci.org
12	0700	13 1300	1.8-28	JIDX CW Contest	CW	RST, JS prefecture or CQ zone	www.jidx.org
12	1200	13 1100	3.5-28	DIG QSO Party, CW	CW	RST, mbr (if member)	diplom-interessen-gruppe.info
12	1200	13 1159	1.8-28	OK/OM DX Contest, SSB	Ph	RS, OK/MO county code or serial	okomdx.crk.cz
12	1200	13 1159	1.8-28, sat	Yuri Gagarin International DX Contest	CW Ph	RST, ITU zone	gcontest.ru
12	1200	13 1800	3.5-28	IG-RY World Wide RTTY Contest	Dig	RST, 4-dig yr first licensed	www.ig-ry.de
12	1300	13 1259	No WARC	Texas State Parks on the Air	CW Ph Dig	RST, park nbr or SPC	www.tspota.org
12	1400	13 0200	1.8-28,50,144	New Mexico QSO Party	CW Ph Dig	Name, NM county or SPC	www.newmexicoqsoparty.org
12	1500	12 1800	3.5-14	Africa FT4 DX Contest	FT4	Signal report, 4-char grid	www.sarl.org.za
12	1800	13 1800	1.8-28,50,144	North Dakota QSO Party	CW Ph Dig	RS(T), ND county or SPC	ndarrlsection.com
12	1800	13 2359	1.8-28,50	Georgia QSO Party	CW Ph	RS(T), GA county or SPC	gaqsoparty.com
13	1800	13 2359	3.5-28	ARRL Rookie Roundup, SSB	Ph	Name, 2-dig yr first licensed, state/province/XE area/DX	www.arrl.org/rookie-roundup
14	0000	14 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or pwr	www.4sqrp.com
14	2300	15 0600	144	144 MHz Spring Sprint	CW Ph Dig	4-char grid	sites.google.com/site/springvhfupsprints
16	1900	16 2030	3.5	RSGB 80m Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org
17	0000	18 0300	14	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or pwr	qrptest.com/pigwalk20
17	1900	17 2000	3.5-14	NTC QSO Party	CW	Max 25 WPM; RST, mbr or "NM"	pi4ntc.nl
18	2100	19 2059	3.5-28	World Wide Holyland Contest	CW Ph	RS(T), 4X area or serial	tools.iarc.org/wwhc
19	0500	19 0859	3.5,7	ES Open HF Championship	CW Ph	RS(T), serial	erau.ee
19	0600	20 0559	3.5-28	Worked All Provinces of China DX Contest	Ph	RS(T), BY province or serial	www.mulandxc.com
19	0700	20 0659	3.5-28	YU DX Contest	CW Ph	RS(T), YU/YT county or serial	www.yudx.yu1srs.org.rs
19	0700	19 1900	1.8-28	Dutch PACDigi Contest	Dig	Signal report, 2-char PA province or serial	www.veron.nl
19	0800	19 1800	3.5-28	QRP to the Field	CW Ph	RST, SPC, name/station code (see rules)	www.zianet.com
19	0900	20 2359	3.5-28	CQMM DX Contest	CW	RST, continent abbr, mbr code (if any)	www.cqmmcx.com
19	1100	20 2259	1.8-28,VHF/UHF	Nebraska QSO Party	CW Ph Dig	NE county or SPC (FT4/FT8: 4-char grid)	nebraskaqsoparty.com
19	1600	20 0400	3.5-28	Michigan QSO Party	CW Ph	RST, MI county or SPC	miqp.org
19	1700	20 1200	3.5-28	EA-QRP CW Contest	CW	RST, category, "M" if mbr	www.eaqrp.com
19	1800	20 1800	1.8-28,50,144	Ontario QSO Party	CW Ph	RS(T), ON county or SPC	www.va3cco.com
20	1200	20 2200	3.5-28,50,144	Quebec QSO Party	CW Ph	RS(T), QC zone or SPC	wp1.quebecqsoparty.org
20	2300	21 0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or pwr	qrptest.com/pigrun
21	1500	21 1729	3.5,7	DARC Easter Contest	CW Ph	RS(T), DOK or serial	www.darc.de
22	2300	23 0600	222	222 MHz Spring Sprint	CW Ph Dig	4-char grid	sites.google.com/site/springvhfupsprints
24	1900	24 2030	3.5	RSGB 80m Club Championship, Data	Dig	RST, serial	www.rsgbcc.org
26	0001	27 2359	28	10-10 Int'l Spring Contest, Digital	Dig	Name, mbr or "0," SPC	www.ten-ten.org
26	1200	27 1200	3.5-28	SP DX RTTY Contest	Dig	RST, SP 2-letter province or serial	www.pkrvg.org
26	1200	27 1200	3.5-28	UK/EI DX Contest, CW	CW	RST, UK/EI district code, serial	www.ukeicc.com
26	1600	27 2159	7,14,21,28	Florida QSO Party	CW Ph	RS(T), FL county or SPC	floridaqsoparty.org
28	1900	28 2100	3.5-28	RSGB FT4 Contest	Dig	Signal report	www.rsgbcc.org
30	2000	30 2100	3.5	UKEICC 80m Contest	CW	6-char grid	www.ukeicc.com
30	2300	1 0600	432	432 MHz Spring Sprint	CW Ph Dig	4-char grid	sites.google.com/site/springvhfupsprints