

THE eQRM

MARCH 2025



The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ



2M Repeater

145.310

PL 131.8



On the Cover: Hello Spring flowers! I think we are all ready for Winter to be over. For the last few years we have been spoiled with very mild winters. This Winter has been pretty normal; but I am ready... come on Spring!

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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

Mar 13

Apr 10

May 08

Jun 12

Jul 10

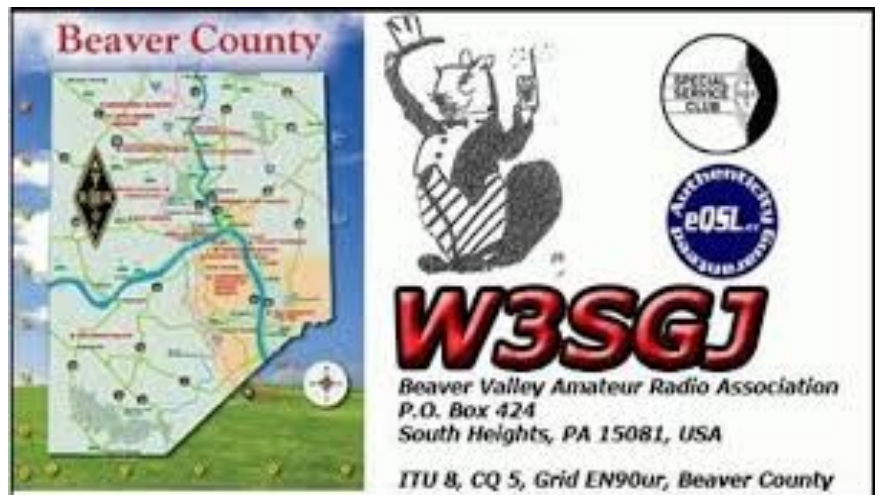
Aug Corn Roast

Sep 11

Oct 09

Nov 13

Dec Christmas Party



This Month

Special Roundtable Session:

Speakers: BVARA Club Members and You

Topic: Roundtable Help with Questions from You

What's It All About:

New to ham radio? Are you wondering about new digital modes with your equipment? Maybe you have questions about antennas, setting up your station, how to make an HF contact, or how to interface your computer to your ham equipment. Perhaps your questions are even more basic like rules and regulations, which bands are best to use, where to find operating resources like band plans, what to do after you make contacts and how do you save or conveniently create a useful log. Maybe you have problems with annoying noise or need help in selecting some equipment. The list goes on and on . . .

After our March club business meeting, our roundtable discussion with your participation is planned. You don't have to be a member of the BVARA; you may just have a question or two that's been bothering you about our ham radio hobby. In fact, you could be new to the hobby or a seasoned veteran with questions. Whether it's technical or about rules/regulations or operating or equipment, we want to help you. Perhaps your question involves unique HF, VHF, or UHF operating or perhaps some of the newer digital modes. Your question could help others with the same issues!

We've even had requests from club members to discuss *How to set up Echolink* and *What is Winlink and how to set it up*. Any volunteers?

We'll start our roundtable around 7:15 PM at the Beaver County Emergency Services Center at 351 14th Street, Ambridge, PA 15003. ***Please join us with your questions!***

Rich Soltesz - K3SOM
Extra Class Ham
BVARA VE Liaison

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 :



February 2025 VE Test Session Results

Our February VE Test Session had one candidate, who achieved his Technician license class. 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.

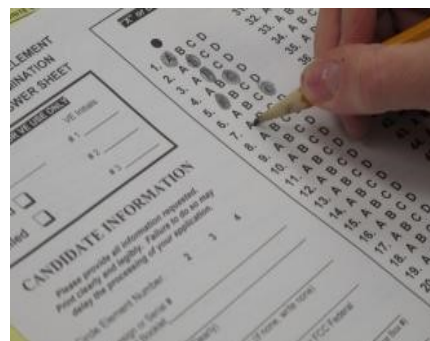
Congratulations to:

Travis Hermann, KD3AQD, Industry, 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

Our 1st Annual BVARA CW Roundup

On Thursday, February 27th 2025, from 7:00 to 8:30 PM EST, we held our 1st Annual BVARA-hosted CW Roundup. The purpose of this roundup was to encourage all classes of hams, whether Technician, General, or Extra to spend some time communicating with a digital mode that is nearly 200 years old.

Let's first take a look at some of the history that boasts such a long and continuous use for communications^{1,2}.

- In 1832, while returning by ship from studying art in Europe, Samuel F. B. Morse conceived the idea of an electric telegraph as the result of hearing a conversation about the newly discovered electromagnet.
- He probably made his first working model by 1835.
- By 1838 Leonard Gale and Alfred Vail became partners in Morse's telegraph rights and had developed the system of dots and dashes that became known throughout the world as the Morse Code.
- Owning full rights through patent ownership has always been a valuable credential for ideas, particularly at a time where mechanical and electrical concepts were so important in the world's development of communications.
- The legal battles over the telegraph culminated in an 1854 U.S. Supreme Court decision that established Morse's patent rights.
- From clicks of an electromagnet to buzzing sounds to radio transmission via spark gaps and then finally to Continuous short and long Waves of sound known as CW, Morse's Code lives on today.
- The International Morse code, as finalized by the ITU in 1865 is the current representation of letters, numbers and symbols that are now still in use today.

With this year's participation level which was somewhat similar to the Breezeshooter's CW Contest participation six days earlier, we have developed a baseline expectation that should enable us to improve participation next year for our 2nd Annual CW Roundup.

So far, six *Certificates of Achievement* have been individually created for those hams that we have identified as qualified for a certificate. At the beginning of the roundup, North-South propagation into the Caribbean and most of South America was evident. After about 7:30 PM EST, that propagation ceased. Suggestions for next year are always welcome.

References:

1 <https://www.britannica.com/biography/Samuel-F-B-Morse>

2 https://en.wikipedia.org/wiki/Morse_code



Hamfests & General Announcements

Warren County HAMFEST 2025

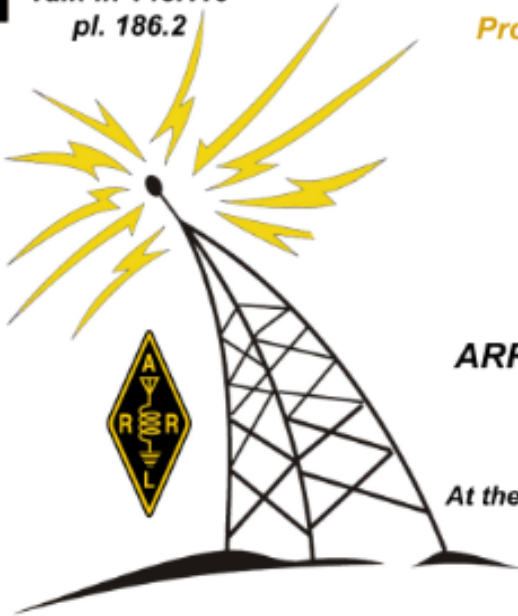
Talk-in 145.110
pl. 186.2

Presented by **BSA, Venture Crew 73**

*Providing Emergency & Support Communications
For Community Events.*

**Saturday, March 8
7:00am - noon**

**BSA Venture Crew 73 will be hosting an
ARRL sanctioned Hamfest in Youngsville, PA.
Admission: \$5 donation under 12 FREE
Tables to sell or display items:
Presale \$10 donation per 8' table. (3+ Tables \$8 each).
At the door \$15.00 donation per 8' table. (3+ Tables \$12 each).
Setup 6:00am - 7:00am**



**Events include hourly door prizes, VE session,
ARRL QSL Award Checking** (Download and fill out Award application, bring your cards).

Food concession will be available Starting 7am.

Free license exams will be conducted at 8 am by the Laurel
AHRA VE team.

Things you will need to know and bring to your exam.

1. A legal photo ID (driver's license, passport). When no photo ID is available, two forms of identification must be presented:
 - a. Non-photo ID/driver's license (some states still have them).
 - b. Birth certificate (must have the appropriate seal).
 - c. Social security card.
 - d. Library card.
2. Utility bill, bank statement or other business correspondence that specifically names the person; or a postmarked envelope addressed to the person at his or her current mailing address as it appears on the Form 605.
3. Students may bring any of the above items and/or a school ID, minor's work permit, report card, or a legal guardian may present a photo ID.
4. Provide your FRN (FCC Registration Number) Those who already have a license issued by the FCC have an FRN (it's on your license).

You can obtain an FRN by registering with the FCC and requesting an FRN at its website:

<https://apps.fcc.gov/coresWeb/publicHome.do>

The instructions are easy to follow.

Just click on the "Register" button and follow the instructions.

For more information or table reservations Contact:
Ernie Crawford - KB3EMC
814-688-8140
gbearpdm@yahoo.com
Lisa Bush - WC3PO
814-706-6067
kb3bsa@usa.com

2025 Event Sponsors

Masters Communications

DX Engineering

DX Commander

ARRL

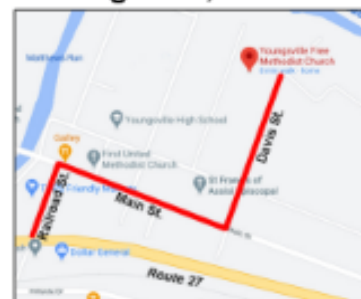
Radiodddity



Youngsville Free Methodist Church

179 Davis St.

Youngsville, PA 16371



Hamfests & General Announcements



WEARSfest 2025

Westmoreland Emergency Amateur Radio Service, Inc.

Formerly the Foothills Amateur Radio Club and the Chestnut Ridge Amateur Radio Club

Greensburg, Pennsylvania

Saturday, March 29, 2025, 8:00AM to 1:00PM

Greensburg Masonic Center, 349 Donohoe Road, Greensburg

GPS Coordinates: N40°18'49.94" W79°29'22.82"

Talk-in on: 147.180, +.600, PL131.8

Visit the club's website for latest information: www.wc3ps.org

Breakfast and Lunch Available, All Day 50/50, Walk Around Prizes

MAIN PRIZES

- First Prize: Xiegu G90 HF 20W SDR Transceiver
Second Prize: Radioddity DB25-D Mini DMR Mobile Radio
Third Prize: Yaesu FT-70DR Fusion Dual Band Hand Held

Main Prize Tickets: \$5:00 each

Bulk Ticket Pricing: 3 for \$10, 7 for \$20, 15 for \$40, 35 for \$75, 75 for \$100

Door Admission Tickets: \$5.00 each

Door Admission Ticket includes: Chances to Win Door Prizes

Hamfest Table Reservation Form – Please Print Clearly

Name: _____ Email: _____

Address: _____

City: _____ State: ____ Zip: _____

Phone: (____) ____ - _____ Call Sign: _____

Tables w/o Electricity: ____ X \$10 = ____

Tables w/ Electricity: ____ X \$15 = ____

Indoor table space is limited.

First come first served.

Tailgating \$5, weather permitting.

Make checks payable to:

WEARS

P.O. Box 1084

Latrobe, PA 15650

FOR TABLE RESERVATIONS, TICKET SALES AND MORE INFORMATION, PLEASE CONTACT:

Abe (N3BAH), 412-357-0076 or Sam (KE3PO), 724-689-2096

email: wc3ps@comcast.net

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

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



March 2025

State QSO Parties:

Oklahoma, CW, PH, Dig, March 8th – 9th

Idaho, CW, PH, Dig, March 8th – 9th

Wisconsin, CW, PH, Dig, March 9th – 10th

Virginia, CW, PH, Dig, March 15th – 16th

BreezeShooters, 10-Meter Ground-Wave SSB Contest, March 8th, 8 PM – 11 PM EST

BreezeShooters, 10-Meter Ground-Wave Dig Contest, March 15th, 8 PM – 11 PM EST

WEARS fest, Greensburg, PA Greensburg Masonic Center, March 29th

April 2025

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

Bits and Pieces

Hello all,

Spring is just around the corner here in western Pennsylvania. We will most likely have a couple of snows, but warmer weather is on the way. There will be all sorts of radio activities to get involved with. One of my favorites is the hamfest season! We have had one hamfest so far. These fests are so much fun with the face-to-face QSOs, radio stuff to purchase, the old radio things we look at that bring back memories, good friends, food and just plain good fun. One of my absolute favorite things will be the magnificent, coolest, stupendous, satisfying, astounding, glorious radio day... Field Day!!! I can't wait. There will be lots of other radio events to keep me satisfied till then. I hope you find lots of radio activities to keep you involved too.



Spring is the time we all make upgrades and perform maintenance on our stations. Do you have desires to incorporate a tuner, maybe a new radio, a better antenna system, an amp, a microphone or etc.? Please always keep safety at your forefront. Never do anything unsafe. Please ask a fellow Ham to assist you. Think it completely through. When the time comes to do the “whatever” if anything seems ill advised, STOP! Rethink your progress! Just take time to rethink what you are doing. It could be best to stop and restart another day. Enjoy your radio hobby, please be safe.

Please keep your feet, arms, hands and fingers out of pinch points. Don't get poked in the eye by an antenna piece, a wire or anything else. Don't drop an antenna on a power line. Don't forget to put on PPE like a hard hat, safety glasses and gloves. Be careful when working with high voltage. Please, don't get injured while practicing your radio hobby. When in doubt stop. Ask someone to help you.

Don't rush, enjoy the journey, radio is fun.

Always put safety first.

Till next month...

Clear on your final, but I will be monitoring.



73 KC3BXC



Radio Sport

Contest Corral

March 2025

Check for updates and a downloadable PDF version online at www.arri.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					
1	0000	2 2359	1.8-28	ARRL International DX Contest, SSB	Ph	RS, SP or pwr	www.arri.org/arri-dx
2	0700	2 1100	3.5	UBA Spring Contest, CW	CW	RST, serial, UBA section (if ON)	www.uba.be
2	1200	2 1400	7	SARL Hamnet 40m SET	Ph	RS, serial	www.sarl.org.za
2	1200	2 2200	3.5	NSARA Contest	CW Ph Dig	RS(T), Nova Scotia county or serial	nsara.ca
2	1800	2 2200	3.5	WAB 3.5 MHz Phone	Ph	RS, serial, WAB square or country	wab.intermip.net/Contests.php
3	2000	3 2130	3.5	RSGB 80m Club Championship, Data	Dig	RST, serial	www.rsgbcc.org
4	0100	4 0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, pwr	ars-qrp.com
4	1900	4 2100	3.5	AGCW YL-CW Party	CW	RST, serial, "YL" (if YL), name	www.agcw.de
5	2000	5 2100	3.5	UKEICC 80m Contest	Ph	6-char grid	www.ukeicc.com
6	0000	7 0300	7	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or pwr	qrpcontest.com/pigwalk40
6	1800	6 2200	28	NRAU 10m Activity Contest	CW Ph Dig	RS(T), 6-char grid	nrau.net
8	0000	16 2359	3.5,7,21,28,144	Novice Rig Roundup	CW	Name, QTH, optional rig or mbr	www.novicerigroundup.org
8	0800	9 1000	50,144,432	SARL VHF/UHF FM Contest	Ph	RS, 6-char grid	www.sarl.org.za
8	0800	9 1000	1.8-28	SARL Field Day Contest	CW Ph Dig	RS(T), # of transmitters, category, SA province or "DX"	www.sarl.org.za
8	1000	9 1000	3.5-28	RSGB Commonwealth (BERU) Contest	CW	RST, serial	www.rsgbcc.org
8	1200	9 1200	3.5-28	EA PSK63 Contest	Dig	RSQ, EA province code or serial	concurso.ure.es
8	1200	9 1200	28	South America 10m Contest	CW Ph	RS(T), CQ zone	sa10m.com.ar/wp/rules
8	1200	9 1100	3.5-28	DIG QSO Party, SSB	Ph	RS, mbr or none	diplom-interessen-gruppe.info
8	1400	8 2000	3.5-28	AGCW QRP Contest	CW	RST, serial, pwr, mbr or "NM"	www.agcw.de
8	1500	9 1500	1.8	Stew Perry Topband Challenge	CW	4-char grid	www.kkn.net/stew
8	1500	9 2100	3.5-28,50	Oklahoma QSO Party	CW Ph Dig	RS(T), OK county or SPC	k5cm.com/okqp.htm
8	1800	9 0559	3.5,7	Tesla Memorial HF CW Contest	CW	RST, serial, 4-char grid	www.radiosport.yu1srs.org.rs
8	1900	9 1900	1.8-28	Idaho QSO Party	CW Ph Dig	RS(T), ID county or SPC	www.idahoqsoparty.org
9	0000	9 0359	3.5-14	North American Sprint, RTTY	Dig	Other's call, your call, serial, name, SPC	ncjweb.com/Sprint-Rules.pdf
9	0700	9 1100	144	UBA Spring Contest, 2m	CW Ph	RS(T), serial, UBA section (if ON)	www.uba.be
9	0700	9 1700	3.5-28	FIRAC HF Contest	CW	RST, serial, "F" (if mbr)	www.firac.de
9	1000	9 2159	3.5-28	YOTA Contest	CW Ph	RS(T), age	www.ham-yota.com
9	1800	10 0100	No WARC	Wisconsin QSO Party	CW Ph Dig	WI county or SPC	www.warac.org
10	0000	10 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or pwr	www.4sqrp.com
12	2000	12 2130	3.5	RSGB 80m Club Championship, CW	CW	RST, serial	www.rsgbcc.org
13	1900	13 2059	3.5	BCC QSO Party	CW Ph Dig	RS(T), T-shirt size	www.bavarian-contest-club.de
15	0000	15 2359	1.8-28,50	PODXS 070 Club St. Patrick's Day Contest	Dig	SPC	www.podxs070.com
15	0200	17 0159	3.5-28	BARTG HF RTTY Contest	Dig	RST, serial, 4-dig UTC	www.bartg.org.uk
15	1200	16 1200	1.8-28	Russian DX Contest	CW Ph	RS(T), oblast or serial	www.rdx.org
15	1200	16 1200	3.5-28,144	F9AA Cup, SSB	Ph	RS, serial	www.site.urc.asso.fr
15	1400	15 1800	144,432	AGCW VHF/UHF Contest	CW	RST, serial, pwr, mbr or "NM"	www.agcw.de
15	1400	16 2359	No WARC	Virginia QSO Party	CW Ph Dig	Serial, VA county or SPC	www.qsl.net/sterling
15	2300	24 0300	3.5-14	AWA John Rollins Memorial DX Contest	CW Ph	RS(T), name, SP, eqpt year	www.antiquewireless.org
16	0700	16 1100	3.5	UBA Spring Contest, SSB	Ph	RS, serial, UBA section (if ON)	www.uba.be
16	2300	17 0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or pwr	qrpcontest.com/pigrun
17	1800	17 2059	3.5,7	Bucharest Digital Contest	FT4	RST, serial	yo3test201x.blogspot.com
17	2000	17 2200	3.5-28	RSGB FT4 Contest	FT4	Signal report	www.rsgbcc.org
19	2000	19 2100	3.5	IRTS 80m Counties Contest	CW Ph	RS(T), serial, EI/GI county (if EI/GI)	www.irts.ie
20	0000	21 0300	14	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or pwr	qrpcontest.com/pigwalk20
20	0030	20 0230	1.8	NAQCC CW Sprint	CW	RST, SPC, mbr or pwr	naqcc.info/sprint_rules.html
20	1900	20 2000	3.5-14	NTC QSO Party	CW	Max 25 WPM; RST, mbr or "NM"	pi4ntc.nl/ntcqp
22	1200	23 1200	1.8-28	Africa All Mode International DX Contest	CW Ph Dig	RS(T), serial	mysarl.org.za
23	0000	23 0400	3.5-14	North American SSB Sprint	Ph	Other's call, your call, serial, name, SPC	ssbsprint.com
23	0600	23 1000	50	UBA Spring Contest, 6m	CW Ph	RS(T), serial, UBA section (if ON)	www.uba.be
26	2000	26 2100	3.5	UKEICC 80m Contest	CW	6-char grid	www.ukeicc.com
27	2000	27 2130	3.5	RSGB 80m Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org
28	1900	29 0300	3.5-28	Sasquatch Stomp	CW	RST, SPC, mbr or ZIP code, name	www.pnwqrp.org
29	0000	30 2359	1.8-28	CQ WW WPX Contest, SSB	Ph	RS, serial	www.cqwp.com