

THE eQRM

JUNE 2023



Field Day is June 24-25

The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ

2M Repeater

145.310

PL 131.8



On the Cover: My favorite Amateur radio event is Field day! The BVARA will be at Economy Park in Baden June 24 and 25. You are invited. Come see what Ham radio is about or operate one of our radio stations as our guest.

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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

2023 BVARA OFFICERS

President: Jack Spencer, KZ3Z

Vice President: Dan Grazulis, KB3VSP

2nd Vice Pres.: Doug Lawrence, K3GTX

Treasurer: Pam Spencer, W3PMS

Secretary: Tom Stoops N3XC

Director: Tony Pavilonis, K3AHP

Director: Jim Allen, KC3IXE

Trustee: Doug Hanna, N4YKQ



MONTHLY MEETINGS

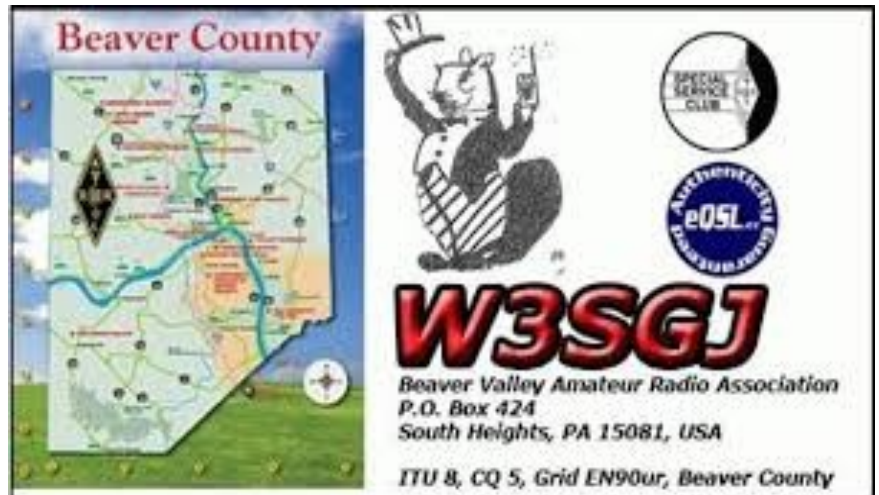
E-Board meetings are now held the Saturday before the monthly club meeting.

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).

- 2023
- Jun 08
- Jul 13
- Aug 12 Corn Roast
- Sep 14
- Oct 12
- Nov 09
- Dec 09 Christmas Party
- 2024
- Jan 11
- Feb 08
- Mar 14
- Apr 11



This Month

This Month:

Speakers:

BVARA Club Members
Moderator: Rich – K3SOM

Topic:

My Projects Including:
Design/Need, Purchase/Build, Current Status, Results, Lessons Learned

Including:

Continuing with our BVARA Presentation Series this year, our topic this month takes us ‘*One Step Beyond*’ by asking several of our club members to talk about one project. That project can be planned for the future, in purchase (parts or kit), putting it together, built, testing, or in current use. For those who seek knowledge in whatever form, here is an opportunity for you! If it’s already finished, then what has been your experience with it? What would you change, if anything?

I’m expecting around five club members, more or less, to tell us what they’re doing. Nothing formal, feel free to ask constructive questions of our fellow club members; a question starts a conversation, and others may also have questions too. Maybe a club member is stuck at one of the early stages. For example, where can I buy this widget, or can this be built from this or that? You get the idea. Maybe everything is there except for this one item.

To keep some boundaries around this, I suggest that once you start, I will give you an indication that 10 minutes are up and you have five more minutes to finish. That way, the other club members who have agreed to tell us about a project of theirs get an equal opportunity to show the club what they are working on or planning. My indicator is a Staples “*That was easy!*” button.

But wait, there’s potentially more! Around 15 years ago, I purchased a Black Widow Paddle with all the required parts. All assembly required. What halted the project? I didn’t have a good bench vise to put some of the parts together. If we have time, I’ll talk about it. It’s time to put that bugger to good use. This will be one presentation that you won’t want to miss!

Rich’s Background:

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

More this Month

Weekly

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

Thursday Morning Breakfast
(or you can have lunch)

Come join us!



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 Thursday at



RACES / ARES
The eQRM Urges All County Hams to Participate.

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 :



May 2023 VE Test Session Results

Our May VE Test Session had one successful candidate, with his achievement of obtaining his new Amateur Radio license. Our electronic filing system once again worked superbly.

Our 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 June 8th, 2023.

Congratulations to:

Aleksandr Freyermuth, KC3WCA, Technician, Zelienople, PA

A huge thank you to our Volunteer Examiners :

Reg Genola – W3REG,

Tony Pavilonis – K3AHP,

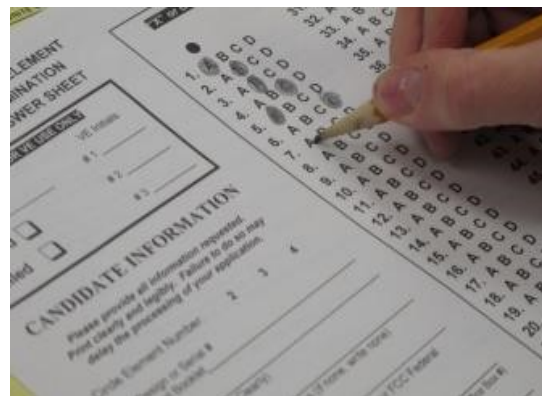
Mick Pyzoha – N3OJP,

Bart Stack – KB3NFM

Bob Winkle – N3AZZ

Frank Witkowski - W3FJW

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	49.00	_____
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

66th Annual

Largest Hamfest in the Tri-State Area



BreezeShooters



HAMFEST / ELECTRONICS / COMPUTER SHOW

Web Site: <http://www.breezeshooters.org>

Email: hamfest@breezeshooters.org

Sunday June 4, 2023

8am-2pm (vendor setup Saturday 2pm-8pm, Sunday 6am-8am)

Butler Farm Show Grounds

625 Evans City Road, Butler, PA 16001

(site of the Hamfest for decades prior to 2016)

- **Advance Admission Tickets available at a discount on the website**
- **Site of the 2023 ARRL WPA Section Convention**
- **Indoor and Outdoor Flea Market spaces available – email for info**
 - Spaces \$15 each(20'x30'); Also limited indoor; email:fleamarket@breezeshooters.org
- **Numerous of Educational Forums**
 - Including POTA; Digital Modes FT8, FT4; QSL Cards, NWS & Extreme Weather Assist, Plus ...
- **Numerous Vendors including Quicksilver Radio, KJI Electronics, and Satellite Headquarter**
- **VE License Testing for all Amateur and Commercial Classes**
 - Starts 8:30 am
- **ARRL, DXCC Card Checking and Bureau representatives**
- **Live Demonstrations of the WEARS EMCOMM Mobile Unit**
- **BreezeShooters Award Presentations**
- **Prizes, Prizes, Prizes**

Need Info: hamfest@breezeshooters.org

Talk-in will be on the 147.300(+) Repeater- *pt 131.8*

Watch <http://www.breezeshooters.org> for details.

If using a MAPPING APP on your phone, be sure to query "BUTLER FARM SHOW GROUNDS – Butler PA"

MAIN PRIZE DRAWING

1 ST ICOM IC-7610 HF/50MHz All Mode Transceiver Compliments of DX Engineering & ICOM	6 TH HEIL PRAS-EQ Parametric Receive AudioEqualizer
2 ND YAESU FTDX10D HF/50MHz All Mode Transceiver	7 TH COMET 300 Antenna Analyzer
3 RD ICOM IC-705 HF/50MHz/2M/70CM Transceiver	8 TH IMAX-2000 10M Antenna donated by W3TLN
4 TH YAESU FTM-300DR C4FM VHF/UHF Transceiver	9 TH BUDDISTICK portable antenna 40m-10m
5 TH N3ZN KEY Model ZN-9ZX - donated by N3ZN	

BREEZESHOOTERS HAMFEST (continued)

- **VE License Testing for all Amateur and Commercial Classes**
 - Starts 8:30 am
- **ARRL, DXCC Card Checking and Bureau representatives**
- **Live Demonstrations of the WEARS EMCOMM Mobile Unit**
- **BreezeShooters Award Presentations – Beginning at 1pm**
- **Prizes, Prizes, Prizes**
 - Door Prizes Every Half Hour
 - Black Box Prize Drawings
 - Main Prize Drawing (tickets \$2 each)
 1. ICOM IC-7610 HF/50MHz All Mode Transceiver (**compliments of DX Engineering and ICOM**)
 2. YAESU FTDX10D HF/50MHz All Mode Transceiver
 3. ICOM IC-705 HF/50MHz/2M/70CM Transceiver
 4. YAESU FTM-300DR C4FM VHF/UHF Transceiver
 5. N3ZN KEY Model ZN-9ZX
 6. HEIL PRAS-EQ Parametric Receive Audio Equalizer
 7. COMET 500 Antenna Analyzer
 8. IMAX-2000 10M Antenna (donated by W3TLN)
 9. BUDDISTICK portable antenna 40m-10m
- **Morse Code Copy Competition**
- **Get Rid of your Excess Equipment!** - Donate your excess equipment, parts and whatever to the BreezeShooters for resale to help further the BreezeShooters initiatives. You can send an email to equipment@breezeshooters.com describing your donation and requesting help getting it picked up or bring your donations directly to the Hamfest. Proceeds from the sale of donated equipment will benefit the BreezeShooter initiatives.
- **Where to Stay Overnight** <https://www.visitbutlercounty.com/where-to-stay>
- **Things To Do in Butler County** <https://www.visitbutlercounty.com/where-to-stay/hotels>

Need Info: hamfest@breezeshooters.org

Talk-in will be on the 147.300(+) Repeater- *pl 131.8*

Watch <https://breezeshooters.org/ns/hamfest/> for details.

If using a MAPPING APP on your phone, be sure to query “BUTLER FARM SHOW GROUNDS – Butler PA”

Veriic

It's Your Dime

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

BVARA Coming Attractions



June

BreezeShooters Hamfest – June 4th, Butler Farm Show Grounds

- Nine grand prizes
- Huge indoor and outdoor flea market
- Educational forums
- Multiple vendors
- VE license testing
- ARRL WPA section convention
- BreezeShooters award presentation

Summer ARRL Field Day Activities, Last Full Weekend in June

- Friday – Initial setup and Pot Luck Dinner
- Saturday – Final setup, group photo, and begin making FD contacts
- Sunday – Final FD contacts, tear down and cleanup activities

July

More POTA Activations

August

Corn Roast, Old Economy County Park, August 12th

Possible Trip to GBRT, Cass Railway, POTA in WV, August or September

September

More POTA Activations



100 Years Ago in *QST Magazine*

Continuing, this issue of our *eQRM Newsletter* and in celebration of our 100th Anniversary of the BVARA, two issues of the 1923 *QST Magazine* will be featured. A photo of the cover of each issue will be shown as well as a description of two articles within each issue of the magazine.

The cover of the **March 1923** issue of *QST Magazine* by Clyde Darr, 8ZZ shows a popular-style vacuum tube installed in a tube socket with four small devilish imps. They are attempting to destroy the tube by trying to drill holes



in the glass or chisel through the glass while the fourth imp is creating 110-volt sparks with two wires that are connected to the tube socket. A quote: “Twas ever thus –” summarizes general problems with that particular tube.

The feature article by Boyd Phelps, Assistant Editor, presents ‘*The Inverse Duplex System of Amplification*’ rather than a ‘reflex’ approach by explaining the advantages and disadvantages of each design concept.

In the regular column of ‘*Amateur Radio Stations*,’ 1XM, the radio station of the Massachusetts Institute of Technology, Cambridge, MA is showcased. They regularly run six Amps of antenna current on 218 meters (1380 KHz) with 100 Watts. From practically every point of view, 1XM is one of the best stations in America (according to the article at that time).

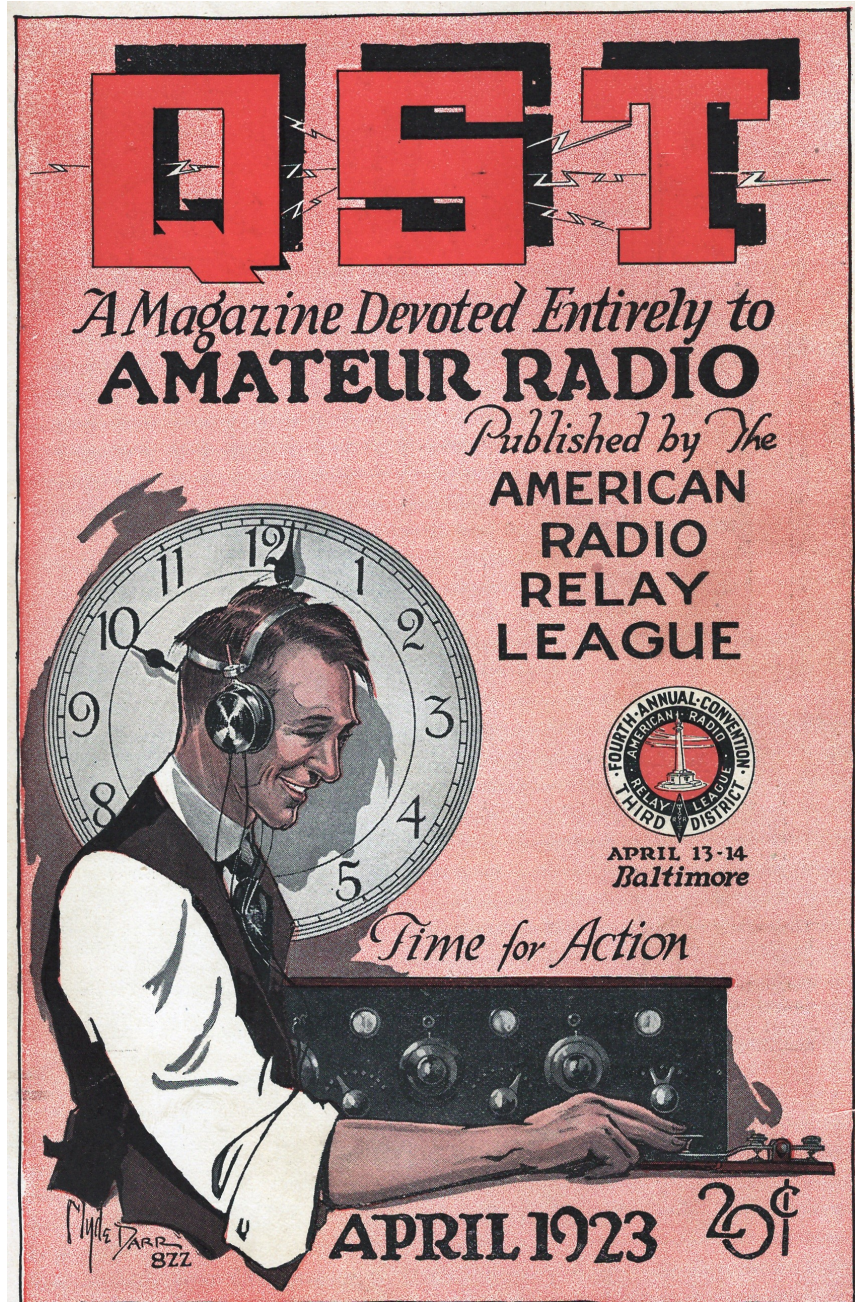
Of Interest to All

The cover of the **April 1923** issue shows an operator ready to go at just after 10:00 pm, the “Time for Action.” The White-Kellogg radio bill died un-honored and unsung. This bill was an attempt to resolve the perceived problem of amateur-novice QRM. Under the Editorials column, in bold, is a plea:

The Board of Direction of the American Radio Relay League hereby earnestly calls upon each and every amateur to refrain from transmission of any kind, for the good of our game, between the hours of 7:30 o'clock and 10 o'clock, local standard time, every night of the week, whether located in a town having a local agreement or in the open country. .

In a landmark feature article, Professor L.A. Hazeltine shows how tuned R.F. amplification may be used, with all the benefits of resonant circuits, yet with complete elimination of the tendency to oscillate, in ‘*Tuned Radio-Frequency Amplification with Neutralization of Capacity Coupling.*’

Rich – K3SOM



Bits and Pieces

Hello all,

The Breeze Shooters Hamfest at the Butler farm show grounds is Sunday June 4. This is one of my favorite hamfests. It is close to me and it has a great flea market and dealer attendance. I also get to see many on my radio friends. There wasn't a hamfest for the Breeze Shooters last year. I am excited to attend this year! I hope to see you there.



Now let me tell you about my absolute favorite Ham event...Field Day!!! I just have a radio hunger that only Field Day will satisfy. Ever since I found out about this yearly radio event I just couldn't wait for the next one. I am so like a child thinking of Christmas when it comes to Field Day. I get so excited each year and I savor every minute of it as it unfolds. When it is over I am looking forward to the next year.

For Field Day this year our radio club will be set up at Economy Park up on the hill in Baden. You enter the park, turn right by the pool and follow the signs. You are personally invited by me. Come on by, we will be happy to show you what Amateur radio is.

Summer is a time we all get out and do stuff. Please think about being safe. I know we sometimes forget to think things through completely. Sometimes we get in a hurry. Take time to stop and think of safety. In all that you do, keep safety in the forefront of your mind. Be exceptionally safe when doing any sort of tower involved radio upgrades or repair.

As always please be safe and enjoy our radio hobby.

Clear on your final, but I will be monitoring.

73 KC3BXC



Radio Sport

Contest Corral

June 2023

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 Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1	1700	1 2100	28	NRAU 10m Activity Contest	CW,Ph,Dig	RS(T), 6-char grid square	nrau.net/nrau-contests-in-general
1	2000	1 2200	1.8-28,50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
2	0000	4 2359	1.8-28,50	PODXS 070 Club 3 Day Weekend Contest	Dig	Mbr or "0000"	www.podxs070.com
2	1900	2 1959	3.5,7	HA3NS Sprint Memorial Contest	CW	RST, mbr or "NM"	radioamator.honlapepites.hu/?p=1280
3	0000	4 2359	28	10-10 Int'l Open Season PSK Contest	Dig	Name, SPC, mbr	www.ten-ten.org
3	0200	3 1459	1.8-28	Tisza Cup CW Contest	CW	RST, CQ zone	www.tiszacup.eu
3	0600	3 0800	7,14	Wake-Up! QRP Sprint	CW	RST, serial, suffix of previous QSO	qrp.ru/contest/wakeup
3	1300	4 0100	1.8-28, 50,144	Kentucky QSO Party	CW,Ph,Dig	RS(T), KY county or SPC	www.kyqsoparty.org/rules
3	1300	4 1300	50	UKSMG Summer Contest	not specified	RST, serial, 6-char grid square	uksmg.org/summer-contest-rules.php
3	1500	4 1459	1.8-28	IARU Region 1 Field Day, CW	CW	RST, serial	www.darc.de
3	1500	4 1500	1.8-28	RSGB National Field Day	CW	RST, serial	www.rsgbcc.org
3	1800	4 2359	1.8-28,50	ARRL Int'l Digital Contest	Dig (no RTTY)	4-char grid square	contests.arrl.org/dig
5	1900	5 2030	3.5	RSGB 80m Club Champ, Data	Dig	RST, serial	www.rsgbcc.org
6	0100	6 0900	3.5-28	ARS Spartan Sprint	CW	RST, SPC, pwr	arsqrp.blogspot.com
7	1700	7 2100	144	VHF-UHF FT8 Activity Contest	FT8	4-char grid square	www.ft8activity.eu
8	1900	8 2000	3.5,7	EACW Meeting	CW	RST, nickname, mbr or DXCC prefix	www.eacwspain.es/eacwmeeting
10	0000	10 2359	1.8-28	VK Shires Contest	CW,Ph	RS(T), VK shire, or CQ zone	www.wia.org.au
10	1100	10 1300	14,21	Asia-Pacific Sprint, SSB	Ph	RS, serial	jslc.org/lapsprint/aprule.txt
10	1200	11 1200	3.5-28	Portugal Day Contest	CW,Ph	RS(T), CT district or serial	portugaldaycontest.rep.pt/rules.php
10	1200	11 2359	1.8-28,50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
10	1400	10 1800	144,432	AGCW VHF/UHF Contest	CW	RST, serial, pwr, 6-char grid square	www.agcw.de/contest/vhf-uhf
10	1500	11 1500	3.5-28	GACW WWSA CW DX Contest	CW	RST, CQ zone	gacw.ar
10	1600	11 1600	50	REF DDFM 6m Contest	CW,Ph	RS(T), serial, 4-char grid square	concours.r-e-f.org
10	1800	12 0259	50 and up	ARRL June VHF Contest	CW,Ph,Dig	4-char grid square	www.arrl.org/june-vhf
11	1700	11 2200	All, no WARC	Cookie Crumble QRP Contest	CW,Ph,Dig	RS(T), SPC, cookie number, name	w3atb.com/cookie-crumble
12	0000	12 0200	1.8-28	4 States QRP Group 2nd Sun Sprint	CW,Ph	RS(T), SPC, mbr or pwr	www.4sqrp.com
14	0030	14 0230	3.5-14	NAOCC CW Sprint	CW	RST, SPC, mbr or pwr	naqcc.info
14	1700	14 2100	432	VHF-UHF FT8 Activity Contest	FT8	4-char grid square	www.ft8activity.eu
14	1900	14 2030	3.5	RSGB 80m Club Champ, CW	CW	RST, serial	www.rsgbcc.org
15	1900	15 2000	3.5-14	NTC QSO Party	CW	Max 25 WPM: RST, mbr, or "NM"	pi4ntc.nl/ntcqp
16	1200	16 1300	7	SARL Youth QSO Party	Ph	RS, age	www.sarl.org.za
17	0000	17 2359	3.5-28	Pajajaran Bogor DX Contest	Ph	RS, serial	pbda-contest.com/rules
17	0000	18 2359	1.8-28	All Asian DX Contest, CW	CW	RST, 2-digit age	www.jarl.org/English
17	0000	18 2359	50	SMIRK Contest	CW,Ph	4-char grid square, mbr (optional)	smirk.info/contest.html
17	1400	18 1400	50	IARU Region 1 50 MHz Contest	CW,Ph	RS(T), serial, 6-char grid square	www.iaru-r1.org
17	1500	18 1500	1.8	Stew Perry Topband Challenge	CW	4-char grid square	smirk.info/contest.html
17	1600	18 0400	3.5-28	West Virginia QSO Party	CW,Ph,Dig	RS(T), WV county or SPC	www.qsl.net/wvsarc
17	1800	17 1959	1.8-28,50	Field Hell Sprint	Dig	mbr, SPC, grid square	sites.google.com/site/fieldhellclub/Home
17	1800	17 2359	3.5-14,18, 21,24,28, 2 rptrs	ARRL Kids Day	Ph	name, age, QTH, favorite color	www.arrl.org/kids-day
18	0800	18 1400	50	WAB 50 MHz Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
21	0030	21 0230	3.5-14	NAOCC CW Sprint	CW	RST, SPC, mbr or pwr	naqcc.info
21	1700	21 2100	1.2G	VHF-UHF FT8 Activity Contest	FT8	4-char grid square	www.ft8activity.eu
22	1900	22 2030	3.5	RSGB 80m Club Champ, SSB	Ph	RS, serial	www.rsgbcc.org
24	0600	24 1700	3.5-28	UFT QRP Contest	CW	RST, QRP/QRO, mbr or "NM"	www.uft.net/concours-qrp-uft
24	1200	25 1200	1.8-28	His Maj. King of Spain Contest, SSB	Ph	RST, EA province or serial	concursos.ure.es
24	1800	25 2100	All, no WARC	ARRL Field Day	CW,Ph,Dig	Number of transmitters, operating class, ARRL/RAC Section or "DX"	www.arrl.org/field-day
26	1900	26 2030	3.5-14	RSGB FT4 Contest	FT4	Signal report	www.rsgbcc.org/ft4
28	0000	28 0200	1.8-28,50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com