

THE eQRM

NOVEMBER 2020



The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ

Repeater 145.310 PL 131.8

On the Cover: We are wishing everyone a warm and happy Thanksgiving. This is the time of year for family and friends to gather and be grateful. It has been a tough year for many of us. Count your blessings and look for the good in every situation.

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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

2020 BVARA OFFICERS

President: Jack Spencer, KZ3Z

Vice President: Dan Grazulis, KB3VSP

2nd Vice Pres.: Doug Hanna, N4YKQ

Treasurer: Pam Spencer, W3PMS

Secretary: Norm Trunick, K3NJT

Director: Tony Pavilonis, K3AHP

Director: Bob Winkle, N3AZZ

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
351 14th Street
Ambridge, PA 15003
on the second Thursday of every month
(unless otherwise stated).

Club Meetings 2020

Nov 12

Dec 12 Club Christmas Party
(No Club meeting)

Club Meetings 2021

Jan 14

Feb 11

Mar 11

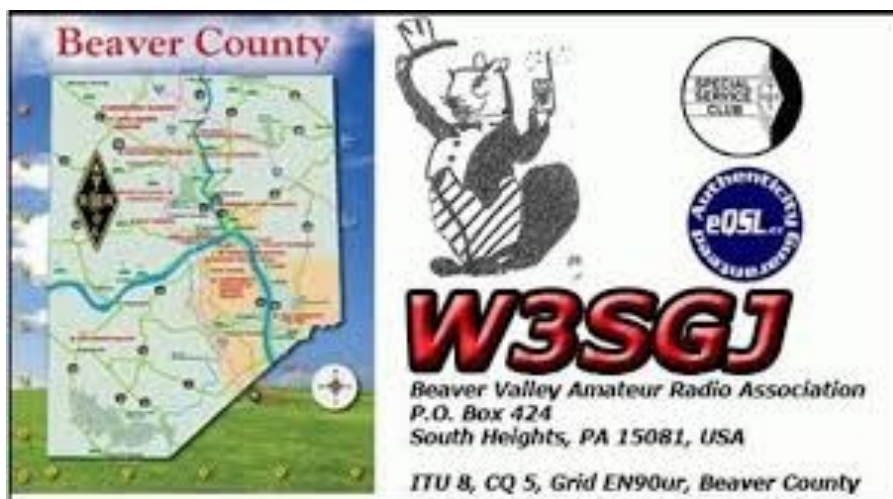
Apr 08

May 13

Jun 10

Jul 08

Aug 12



This Month



This Month:

Speakers:

BVARA Team for our 1st SOTA Activation

Topic:

The Mt. Davis SOTA Field Trip –

Equipment, Antennas, Weather, Crowds, Results, and Lessons Learned

Including:

Continuing with our BVARA Presentation Series this year, our topic this month began with club member interest in portable operations and possibly activating a Summits on the Air (SOTA) location. Summits on the Air (SOTA) is all about getting out and hiking to a summit with your radio and having fun! Last month, Richard Jones, N2GBR and the W3 Association Manager for SOTA gave us some excellent pointers for our first activation – Mt. Davis.

As a group we will summarize our equipment and our antennas – what worked and what didn't. The weather was a factor as was the time of year and the location. Did we forget anything or did we pack too much stuff? Find out and ask your questions. Our results are now out there on the SOTA Internet site. First time activities always produce lessons learned and we learned quite a bit on this SOTA Field Trip.

But wait, there's potentially more! POTA is another one of those acronyms that is synonymous with ham radio fun. New kinds of equipment and antennas weigh heavily in our packs of 'portable' fun. This is one exciting 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)



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



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)

RACES / ARES

The eQRM Urges All County Hams to Participate.



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.



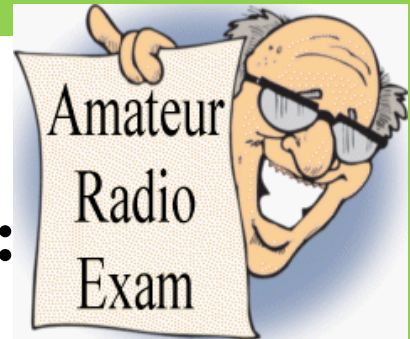
ALL candidates MUST bring ALL of the following:

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, check, or money order.

New License and Upgrades

BVARA VE Testing

Testing this month :



October VE Test Session Results

Our October VE Test Session had three candidates, with each participant achieving their goal of passing the Technician exam.

Once again, because of the rollback of some of the restrictions that were caused by the corona virus, our testing was able to be conducted at our normal location at the Beaver County Emergency Services Center in Ambridge, PA.

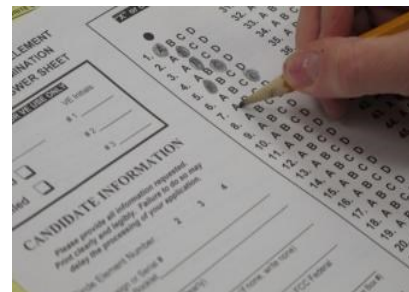
Congratulations to:

Gary Furman – KE8PTL, Struthers, OH, Technician
Paul Rauch – KC3QGZ, Pittsburgh, PA, Technician
Kevin Parker – KC3QHA, Freedom, PA, Technician

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

Reg Genola – W3REG,
Tony Pavilonis - K3AHP,
Bart Stack - KB3NFM, and
Bob Winkle - N3AZZ

Thank you and 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	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

CANCELED

Hamfest has been Canceled



Excuse me !

One minute, just one more thing. Does anyone know when we
can
go to a Hamfest !

Hamfest has been Canceled

CANCELED

Bits and Pieces

Hello all,

There is so much in the newsletter this month. It practically wrote itself. I just about felt I wasn't needed here. It was almost like the keys pressed themselves. There is so much that took place and so much yet to take place; our Christmas Party, the KDKA Special Event, Summits on the Air BVARA event and best of all, Thanksgiving.

The BVARA Christmas Party is for everyone, we welcome you. As you read this, you have now personally been invited to come. Come, please get your reservation in early. Space may be limited and we need to know how many are going. We want to make sure we can accommodate everyone that would like to come. This year we will be at Yolanda's in Chippewa. They have good food and great service. Be there to celebrate with our entire group. Now, as of this printing all is a go. If there is a change due to Covid -19, we will inform all persons with reservations.



The Special Event Stations are to celebrate one hundred years of KDKA Broadcast Radio. There will be BVARA members setting up Special Event Stations from their homes. You are invited to be a part of this "once in a lifetime" special event! Come be a part of history. If you are not close to a Special Event Station here in Beaver County find a group near you. Join them in the celebration of KDKA. Enjoy your radio hobby to the fullest!

Our Club took a Field Trip to Mt. Davis in Somerset County to activate that site as part of the SOTA (Summits on the Air) BVARA event. It was a wonderful event!

It is almost Thanksgiving. We (the BVARA) are wishing you a warm and wonderful holiday! May you delight in spending your holiday enjoying good food with friends & family having a great time making memories to last a lifetime.

Talk to you next month. This is KC3BXC clear, I'll be monitoring.

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



It's Your Dime

In the October 2020 eQRM, Tom Tronzo, WB1AHL listed over 15 items that he wished to auction off that related to ham radio, testing equipment, components, and books. He very clearly defined his terms and conditions of sale, as well as describing each item in a consistent and detailed manner. One ‘boat anchor’ Hammarlund HQ-170 Receiver weighed about 40lbs!

Tom set the bar quite high for others to follow regarding his technique for finding new homes for items that he wanted to make available to others. He was very satisfied with the results that he achieved.

Tom related to eQRM his appreciation for enabling him to list and then subsequently sell a significant number of items that resulted in around \$135 in auction sales. In a year with no local hamfests, this was a sales opportunity that he did not want to miss.

Now, with cash in hand and space available, Tom has time to do smaller and better things like finishing his FT8 transceiver!

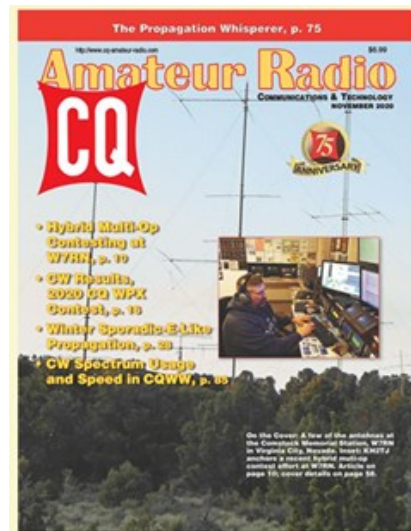
Way to go, Tom!



Of Interest to All

CQ November 2020

This is perhaps the most unusual fall contesting season ever, with many - if not most - of the contest DXpeditions we look forward to canceled for this year due to the Coronavirus pandemic. But that means a lot of **top-flight contesters competing from their home stations**, and while that will make the competition tougher for the rest of us, we can also learn just what can be done when you put a world-class contester in front of what's often a fairly average home station. We'll see how things go in this year's CQ World Wide DX Contest - with the SSB weekend on October 24-25 and the CW weekend November 28-29.



One thing we've been seeing all year is **record numbers of entries** in our contests due to more people being at home, and that trend continued in May's CW weekend of the CQ World Wide WPX Contest. The 2020 results are in our November issue, along with another example (the first one was in May) of what multi-op contesting may look like in the future. In this month's cover story, CQ Contest Hall of Famer K5RC introduces us to the **hybrid contesting model** that he and his team have developed for the W7RN contest superstation in Nevada.

Also on the contesting theme, Contributing Editor KL7AJ reminds us that the CQWW isn't the only contest worth operating in November ... especially when poor propagation may make it difficult to work a lot of exotic DX. This issue also includes rules for the 2021 CQ DX Marathon and the 2021 CQ World Wide 160-Meter Contest. (Remember, while the bottom of the sunspot cycle is not always friendly to DXing on the higher HF bands, **it's prime time for 160**, especially in winter when weather-induced static is at seasonal lows.)

Speaking of winter-time propagation, K1YOW takes a close look at what may actually be behind the annual **"minor peak" in E-layer** propagation on 6 meters, and why it might not actually be Sporadic-E as we typically understand it.

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<https://store.cq-amateur-radio.com/product-category/cq-subscriptions-new-or-renewal-subscriptions/>

Of Interest to All



**The BVARA Christmas Party is Saturday December 12, 2020 at 7 Pm.
At Yolanda's in Chippewa, 2228 Darlington Rd, Beaver Falls, PA 15010 .**

Order from the menu, meals and drinks are up to you.

The Club will supply a desert.

There is a \$15 voluntary grab bag.

**All are invited please contact Norm Trunick or Pam Spencer
for your reservations.**



Of Interest to All

Mt. Davis Activation for SOTA by the BVARA



John Homich, KC3QCG

Tony Pavilonis, K3AHP

Rich Soltesz, K3SOM Doug Hanna, N4YKQ Jim Allen, KC3IXE

On October 17th, 2020, members of the BVARA climbed to the summit of the highest point in Pennsylvania, Mt Davis. Following a stimulating presentation by Richard Jones, W2GBR on Summits on the Air (SOTA) earlier in the month, armed with four QRP transceivers and makeshift antennas, BVARA was successful in our activation efforts for PT-001, Mt. Davis in Somerset County, PA.

Early morning in Chippewa Township, the temperature was around 28 degrees but with beautiful, clear skies throughout the day. The leaves were nearing their peak in Fall color and the summit was visited by hundreds of people who were eager to get out for a day to enjoy the Fall foliage.

Our activation attempt was met with success and many lessons learned. It was fun!

Of Interest to All



Tony Pavilonis, K3AHP

Jim Allen, KC3IXE



Rich Soltesz, K3SOM



John Homich, KC3QCG

Jim Allen, KC3IXE

Special Event

<https://groups.io/g/KDKA100/topic/77766263>

Oct 24, 2020

Special event operating instructions. Please read.

Robert Oct 23 #116

Hello all KDKA 100 ops. Thank you very much for volunteering to work this very special event. I think it is safe to say that this will be a very popular event. Time is short. Make plans now. Be prepared to work US stations, QRP stations and DX stations.

Please pick your operating days and what callsign you want to use soon. Put them on the calendar as others have done so far. The callsign you pick is yours for the day. Don't be shy. However, if you do pick a day all I ask is that you put it to good use. This ain't no job, it's a hobby. We're all here to have fun. But please do get on and op as much as you feel comfortable with. This is your time to shine OMs and YLs. Make QSOs and have big fun in the process.

Some of you have done special event stations before and know the deal, but I wanted to go over some things. Some of you have not. If you have any questions feel free to ask. If you're new to this, I highly recommend that you listen to other special event station operations and get a feel for how they do it. Develop a style that works for you. You'll be nervous as hell starting out but soon you will feel comfortable. The best ops get into a rhythm. Again, listen to how others do it.

- Always be courteous. There may be times that you will run into intentional interference or someone trying to start trouble on your frequency. My best advice is to COMPLETELY ignore them. If they are keeping you from working, make an excuse that you have a phone call (or whatever) and come back a little later. DO NOT talk back to them, they will be there forever. You ignore them, they will get bored and go bother someone else.
- If you land on clear frequency and someone claims it is their net frequency, cheerfully move.
- When you find a good frequency be sure to self-spot yourself on the DX Cluster. If you need instructions on how to do this please let me know. You will typically have a pile-up in no time after you spot yourself.
- Keep a log with your favorite logging program. I use N1MM in "DX" mode. There is also a listing for "DXpedition" but DX works best. There is a comment space in "DX" mode to add names if you like. Tell people to follow the QSL per the instructions on the callsign QRZ pages. If someone sends us a QSL card with an SASE they get a card back whether they are in the log or not. (Don't tell them that) Please tell people to QSL WITH A SASE. No SASE – No card. DX can QSL direct or via the buro for a QSL card. If they want a certificate that will need to send \$3.00 US or send us an certificate sized SASE.
- Modes: You are welcome to use any mode you like for this event. Phone and CW are naturally your money makers, but if you want to op any digital mode such as RTTY or PSK, FT-8 or whatever, feel free. Same for if you want to work QRP or portable. It's all cool. Also, feel free to operate on the WARC bands.

Special Event

- Be a big signal on the band if you can (unless you're qrp... hihi). If you have the ability, run as much power as you can. The whole running the crowd thing will go better for you with high power.
- I highly recommend that you take breaks often to ask for mobile/portable stations, QRP stations. Also, with all the US stations calling take breaks for DX only. Take a break for veterans only. Take a break for EEs only!
- While we want to do max Qs, take time to talk with folks when needed. Some people will feel very strongly about this event. Hear what they have to say and enjoy.
- Again, ALL QSL requests go via the instructions of the QRZ pages. Also, direct people to the KDKA ham web site website. www.kdka100.org
- If you want to, please send me a pic of yourself at your operating position prior to the event for the QRZed pages. Please do. I think it makes the whole thing more personal.
- At the end of the event please send me your log an an ADIF format to radiofreebob@... We would like to get a feel for how we did overall. Thanks in advance.

Again, thank you so much for volunteering to participate in this great event. Above all have fun. It's big fun to be the one that everyone wants to talk to. Work split if you feel the need to, but I doubt that you will need to. If you have any questions please contact me. radiofreebob@... 724-448-5774 The KDKA QSL card cards are at the printer now.

I think that's it for now? If you have questions please let me know

CIAO!
Bob WC3O

Dates

BVARA Members have reserved Saturdays, November 7 and 28. The 7th is from 10 am to 2 pm. The 28th is from 2 pm to 5 pm. On all dates we have operations from Rich's, K3SOM, and Bob's, N3AZZ, homes simultaneously.

Rich and Bob have also reserved November 10 and 24, both days are Tuesdays.

Doug Hanna, N4YKQ has not reserved any dates, yet. But he is hoping to do some D-STAR activations using his portable radio and digital voice hotspot from his home.

Space is limited, so if you plan on coming over, get your name on their lists with space for 6 names at each site. A snack dish or some Chile or bake beans would certainly be welcomed!

Radio Sport

Bruce Draper, AA5B, aa5b.corral@gmail.com

Contest Corral

November 2020

Check for updates and a downloadable PDF version online at www.arrrl.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 Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 0000 1 0400	3.5-14	North American SSB Sprint Contest	Ph	Other's call, your call, serial, name, SPC	ssbsprint.com/rules
1 0600 1 0859	3.5, 7	Silent Key Memorial Contest	CW	RST, ITU zone or SK call you wish to recognize	www.skmc.hu/en
1 1400 4 0800	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, rig	www.classicexchange.org
1 1500 1 1800	3.5-28	High Speed Club CW Contest	CW	RST, mbr or "NM"	www.highspeedclub.org
2 0000 2 0100	3.5-14	K1USN Slow Speed Test	CW	Max 20 WPM; name, SPC	www.k1usn.com
2 2000 2 2130	3.5	RSGB 80-Meter Autumn Series, Data	Dig	RST, serial	www.rsgbcc.org/hf
3 0100 3 0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or youth)	wvsac.com/rules.html
3 0200 3 0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsgrp.blogspot.com
4 1700 4 2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
4 2000 4 2100	3.5	UKEICC 80-Meter Contest	Ph	6-char grid square	ukeicc.com/80m-rules.php
5 1800 5 2200	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid	www.nrau.net
5 2000 5 2200	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
7 0500 7 1200	3.5-28	IPARC Contest, CW	CW	RST, serial, "IPA" if member	www.iparc.de
7 1200 8 1200	1.8-28	Ukrainian DX Contest	CW Ph	RS(T), 2-letter oblast if Ukraine	urdx.org/rules.php?english
7 1200 8 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
7 2100 9 0300	1.8-28	ARRL November Sweepstakes, CW	CW	Serial, precedence (Q/A/B/U/M/S), your call, check (year licensed), ARRL/RAC section	www.arrrl.org/sweepstakes
7 2300 15 2300	1.8-14	AWA Bruce Kelley 1929 QSO Party	CW	RST, name, QTH, equipment year, rig type, power	antiquewireless.org
8 0500 8 1200	3.5-28	IPARC Contest, SSB	Ph	RST, serial, "IPA" if member	www.iparc.de
8 0800 8 1200	All	EANET Sprint	CW Ph Dig	RS(T)	fedlea.org/news/?news=20201108
9 0000 9 0100	3.5-14	K1USN Slow Speed Test	CW	Max 20 WPM; name, SPC	www.k1usn.com
9 0100 9 0300	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
10 0100 10 0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or youth)	wvsac.com/rules.html
11 1700 11 2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
11 2000 11 2130	3.5	RSGB 80-Meter Autumn Series, SSB	Ph	RS, serial	www.rsgbcc.org/hf
14 0000 15 2359	3.5-28	WAE DX Contest, RTTY	Dig	RS, serial	www.darc.de/der-club/referate/referat-conteste/worked-all-europe-dx-contest/en
14 0000 16 2359	1.8-7	PODXS 070 Club Triple Play Low Band Sprint	Dig	RST, SPC	www.podxs070.com
14 0001 15 2359	28	10-10 International Fall Contest, Digital	Dig	Name, mbr or "0," SPC	www.ten-ten.org
14 0700 15 1300	3.5-28	JIDX Phone Contest	Ph	RST, JA prefecture or CQ zone	www.jidx.org/jidxrule-e.html
14 1200 15 1000	50-1296	SARL VHF/UHF Analogue Contest	CW Ph	RS(T), 6-char grid	www.sarl.org.za
14 1200 15 1200	1.8-28	OKOM DX Contest, CW	CW	RST, 3-letter OKOM district code or serial	okomdx.crk.cz
14 1900 16 0500	1.8-432	CQ-WE Contest	CW Ph Dig	Name, location code, years of service	cqwe.cboh.org/rules.html
15 1300 15 1700	3.5, 7	Homebrew and Oldtime Equipment Party	CW	RST, serial, class	www.qrpcc.de/contestrules
15 2300 16 0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpccontest.com/pigrun
16 0000 16 0100	3.5-14	K1USN Slow Speed Test	CW	Max 20 WPM; name, SPC	www.k1usn.com
16 2000 16 2130	3.5	RSGB FT4 Contest Series	Dig	4-char grid	www.rsgbcc.org/hf
17 0100 17 0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or youth)	wvsac.com/rules.html
19 0130 19 0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
20 1600 20 2200	3.5	YO International PSK31 Contest	Dig	RST, serial, YO county or country	www.yo5crq.ro/Rules.htm
21 1200 22 1200	3.5-28	LZ DX Contest	CW Ph	RS(T), 2-letter LZ district or ITU zone	lzdxc.bfra.org/rulesen.html
21 1600 21 2359	1.8	All Austrian 160-Meter Contest	CW	RST, serial, OE district or serial	www.oevsv.at
21 1700 22 0100	1.8	REF 160-Meter Contest	CW	RST, serial, department code	concoours.r-e-f.org/contest
21 1900 21 2059	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
21 1900 21 2300	1.8	RSGB 1.8-MHz Contest	CW	RST, serial, district code (if UK)	www.rsgbcc.org/hf
21 2100 23 0300	1.8-28	ARRL November Sweepstakes, Phone	Ph	Serial, precedence (Q/A/B/U/M/S), your call, check (year licensed), ARRL/RAC section	www.arrrl.org/sweepstakes
23 0000 23 0100	3.5-14	K1USN Slow Speed Test	CW	Max 20 WPM; name, SPC	www.k1usn.com
24 0100 24 0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or youth)	wvsac.com/rules.html
25 0000 25 0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
25 2000 25 2100	3.5	UKEICC 80-Meter Contest	CW	6-char grid square	ukeicc.com/80m-rules.php
26 2000 26 2130	3.5	RSGB 80-Meter Autumn Series, CW	CW	RST, serial	www.rsgbcc.org/hf
28 0000 29 2359	50-1296	ARRL EME Contest	CW Ph Dig	Signal report	www.arrrl.org/eme-contest
28 0000 29 2359	1.8-28	CQ Worldwide DX Contest, CW	CW	RST, CQ zone	www.cqww.com
30 0000 30 0100	3.5-14	K1USN Slow Speed Test	CW	Max 20 WPM; name, SPC	www.k1usn.com

There are a number of weekly contests not included in the table above. For more info, visit: www.qrpfoxhunt.org, www.ncccsprint.com, and www.cwops.org. All dates refer to UTC and may be different from calendar dates in North America. Contests are not conducted on the 60-, 30-, 17-, or 12-meter bands. Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity, XE = Mexican state. Listings in blue indicate contests sponsored by ARRL or NCJ. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. Data for Contest Corral is maintained on the WA7BNM Contest Calendar at www.contestcalendar.com and is extracted for publication in QST 2 months prior to the month of the contest. ARRL gratefully acknowledges the support of Bruce Horn, WA7BNM, in providing this service.