

THE eQRM

OCTOBER 2020



The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ

Repeater 145.310 PL 131.8

On the Cover: The Covid –19 has sure disrupted all our lives. I wonder what things are going to be like down the road a little further? I am optimistic and looking forward to the road ahead! I can almost see it. Enjoy the beautiful Fall Western Pennsylvania weather, while you can.

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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, W6PEF

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

Oct 08

Nov 12

Dec Club Christmas Party

Club Meetings 2021

Jan 14

Feb 11

Mar 11

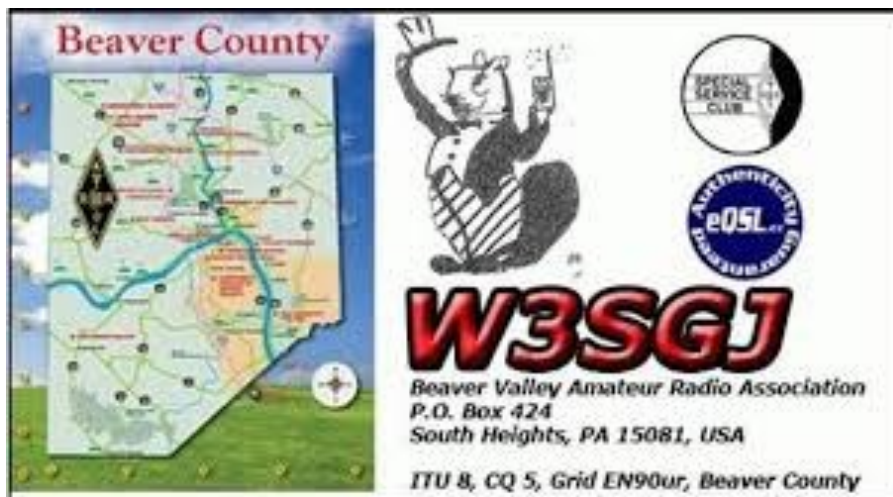
Apr 08

May 13

Jun 10

Jul 08

Aug 12



This Month

This Month:

Speaker:

Richard Jones, N2GBR

Topic:

SOTA, Registration, Equipment, and Activation

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! Richard Jones, N2GBR is the W3 Association Manager for SOTA and he has planned an exciting presentation for everyone.

Richard has a passion for SOTA activations. N2GBR is USA MG #47, the first W3 MG (To reach 1000 activator points, he activated 131 unique summits, so his MG was 100% unique), never failing to activate a summit (he made a minimum of 4 QSO's for each). He also averaged 7.7 points per activation. He has also 34 First SOTA activations for those particular summits.

Key Regions activated:

W3 - 85

W4V - 26

W8 - 9

W0C - 8

It took from November 11, 2014 to June 18th, 2017 to reach 1000 points; this was 30 months (Average for all US MG is 35 months)

But wait, there's more! Richard will explore registration, logging and reporting activities, available equipment, batteries, and antennas for SOTA activations. His experience in this aspect of our hobby can be an invaluable asset in choosing the equipment, both ham radio and backpacking/hiking that will help YOU achieve your goals. This is one exciting 'hands-on' presentation that you won't want to miss.

Richard's Background:

Extra Class Ham, Licensed 2014

Enjoys amateur radio, occasionally posts on YouTube, being a British guy in the USA, he likes the idea of the Allied Invasion Strips on the Spitfire airplane, enjoys photography, and motorcycles (KTM), and much more

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.



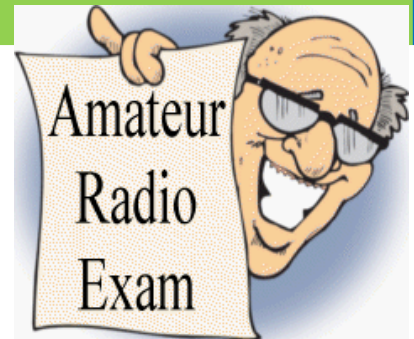
ALL candidates MUST bring ALL of the following:

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 :



Our September 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:

Shawn Brown – KC3QCE, Oakdale, PA, Technician

Bill Matthew – KC3QCF, New Galilee, PA, Technician

John Homich – KC3QCG, Freedom, PA, Technician

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

Reg Genola – W3REG,

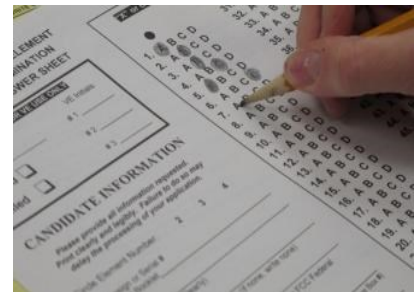
Tony Pavilonis - K3AHP,

Bart Stack - KB3NFM, and

Bob Winkle - N3AZZ

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

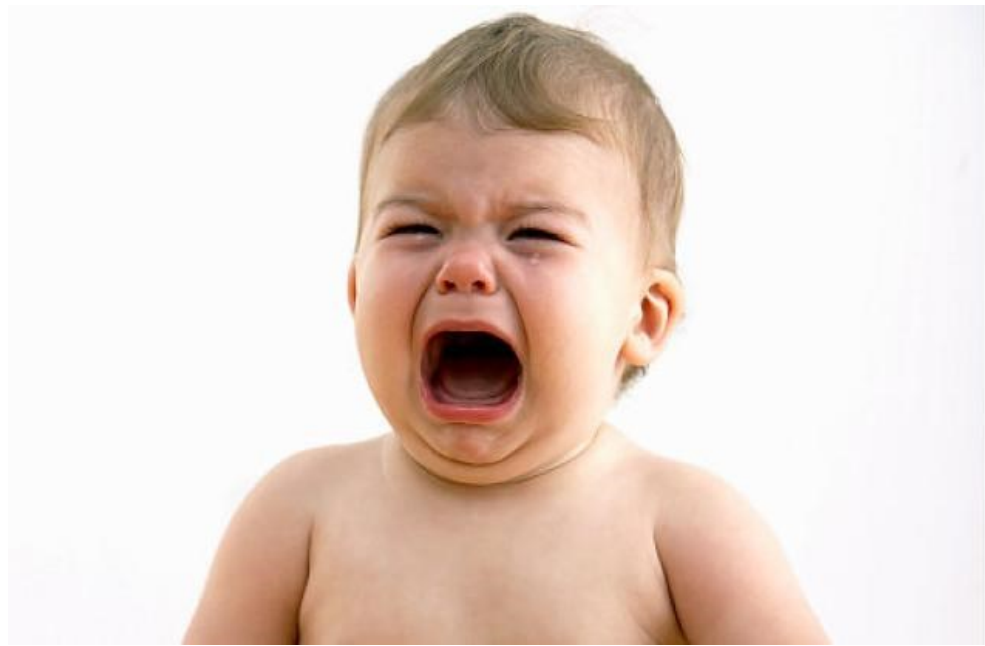
Hamfests & General Announcements

CANCELED

This Hamfest has been Cancelled

So many hamfests were cancelled this year....

Now there just aren't any Hamfests in Western Pennsylvania...



I know, I know. We have strong feelings about Covid 19 too!

Hamfest Cancelled

CANCELED

Bits and Pieces

Hello all,

It's that time of year when Mother Nature seems to be telling us something. I think she is telling us that it won't be long till there is snow in the air. Now is a great time to check all your radio grounds, are they corroded? When was the last time you took them loose, cleaned them, put on an anticorrosive and secured all your station grounds? Now is a great time to inspect your coax too. Are there any breaks in the insulation? When was the last time you took them apart, cleaned them and sealed them back up with a good self-vulcanizing tape? Is there more you can do? Now is a great time.



Herb Lawrence KT3HC, one of our retired VE testers, is under the weather. Herb had a stroke.... He's home with his son Doug tending to him. I encourage everyone to send him a card to brighten his day and some kind words to speed his recovery. Our Radio Club has always shown kindness in this way. I have been thankful when you all sent me cards when I was ailing.

The other day I got to thinking about that "Dag Gum Pole", it's laying up by the hay wagon. I have had other priorities take my time. That dag gum pole had to wait. It has waited so long there is grass growing out of cracks in the wood! I may have waited too



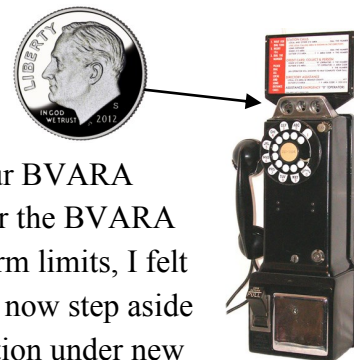
long and the dag gum pole may not be safe to put up. Well I will have to look it over better. Maybe I'll just have a brand spanking new pole put up. There are so many other priorities still ahead of my "New HF antenna" install. I will just have to be patient a little longer. How about you? Did you get your radio hobby upgrade completed this year? It sure would encourage me if you send me an email to let me know somebody out there succeeded! If things smooth out here I may get lucky and have things work out yet with that dag gum pole install. We will have to see... the saga continues.

Soon there will be turkey on the table. With this Covid-19 thing I am wondering how that will look this year when it takes place. This dang virus has sure changed my life and my radio hobby. I am praying for a better next year. I'll end here, till next month; be safe, be courteous on the air and enjoy your radio hobby.

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



Several months ago, I received a form for renewal of our BVARA Club Station, W3SGJ and renewal of my position as Trustee for the BVARA from the VEC at ARRL Headquarters. As a firm believer in term limits, I felt that 10 years was enough time in a technology hobby for me to now step aside and allow the club to continue to grow in technology and direction under new leadership. With that ‘passing of the baton’, I could now devote more time to supporting other club activities that continue to interest me.

During this period in our club history, my activities have included:

- Our 95th Club Anniversary Special Event Station efforts,
- Improvements to our repeater controller and antenna upgrade,
- Winter and Summer Field Days,
- 2 Meter and 10 Meter net control and net participation,
- PA QSO Parties, and
- Over 90 technical and special presentations.

All of these activities were well attended and well received by most club members. Many club members took advantage of these presentations to advance their skills, improve their station and antenna equipment, and further automate and improve their abilities to provide emergency communications should the need arise.

I am very pleased that Doug Hanna, N4YKQ has accepted the position of Club Trustee. He brings considerable experience and enthusiasm to our club. Under his leadership, I feel confident that our club will continue to grow in new technology directions and club activities. Please support him in his efforts because together, much can be accomplished.

Thank you for allowing me to learn and support our club.

Rich Soltesz, K3SOM

ITEMS FOR AUCTION BY TOM TRONZO – WB1AHL

Auction Conditions & Information:

- A. Bidding is single-round, via email only; make best offer, there will be no re-bids; in case of ties, earlier bid (as noted on email) will win
- B. If a price is shown, that is the minimum; please bid that price or higher
- C. Items noted “MAKE OFFER”, there is no minimum bid
- D. Photos available by email request
- E. Bidding ends 11:00 PM, Friday, October 23, 2020
- F. Payment by cash or check made out to “**Tom Tronzo**” due at time of pickup
- G. Items may be picked up (by appointment), at New Brighton, PA, or Patterson Heights, PA (Exact time and location will be decided when appointment is made)
- H. My contact information: oznortmot@gmail.com; for questions please email BEFORE bidding
- I. Abbreviations Used in this Auction: U.O.N. = “Unless Otherwise Note”; N.O.S. = “New Old Stock”; N.E.O.S. = “New Extremely Old Stock” (70+ years old)
- J. No Manuals Included, unless otherwise noted
- K. All items sold “AS IS”
- L. General Comment on “Boat-Anchors”: Most of these old tube-type receivers, test equipment, etc., tend to be electrically noisier, suffer from mis-alignment, frequency drift, weak tubes and capacitor failure (particularly paper and electrolytics). So be prepared to do some work, skin knuckles, burn fingers and watch out for the B+ high voltages! Also, even when in perfect condition, just tuning in a signal or changing frequencies requires a lot of front-panel adjustments, but that is part of the “charm” and nostalgia!

Of Interest to All

Items for Auction List:

1. **Hammarlund Receiver HQ-170** (Circa 1960) - \$30
 - a. General - Ham Band only, 160M-6M
 - b. Physical Condition – Good; Electric clock is iffy; all knobs & switches complete
 - c. Operation – Tested this August on 40 M phone band, w/ 25' random wire in cellar; receives SSB signals; Also see Condition “L” above
 - d. Weight – Approx. 40 #

2. **Drake Model 2-A** (Early 1960's) - \$20
 - a. General - Ham Band only, 80M-10M
 - b. Physical Condition – Fair to Good; Tuning dial plexiglass defaced by marker pin cemented on; USB/LSB switch has no detent; knobs & switches complete
 - c. Operation – Tested this August on 40 M phone band, w/ 25' random wire on first floor; receives SSB signals; Also see Condition “L” above
 - d. Weight – Approx. 15 #

3. **Multi-Elmac PMR-7 “Compact” Receiver** (Mid-1960's) + Power supply- \$15
 - a. General (Receiver) – Ham Bands, 160M-10M, plus Standard BCB; Wt. 8.5#
 - b. Physical Condition: Good, complete knobs & connectors, front & rear
 - c. Power Supply (Homebrew, separate unit), needs work, Wt. 10#
 - d. Operation: FOR PARTS OR REPAIR; last used, 2004; Also see Condition “L” above

4. **Transformers:**
 - a. Stancor PC-8414 Power Xfmr (600-0-600 v, 200 mA, 5 V & (2) 6.3 V windings)
USED - \$20
 - b. Stancor A-3812 Modulation Xfmr (5 watts) – N.O.S. IN BOX - \$5
 - c. Stancor P-6412 Isolation Xfmr, 115v-115v, 35 VA, NOS NO BOX

Of Interest to All

(Six Available @ \$5 EACH) SPECIFY QUANTITY DESIRED IN BID

- d. Triad M-1X Modulation Xfmr – N.O.S. IN BOX - \$4

- 5. **B & W Model 851** Pi-Network / Bandswitch (80-10), 500 watts PEP (Fair condition, needs cleaned) - \$5

- 6. **B & W Model 350** 2Q4 phase Shift network (Octal Base) for SSB exciter- \$5

- 7. **Eico 324** signal generator (Circa 1975) – \$20
 - a. General – Frequency range, 150 kHz to 435 MHz
 - b. Physical Condition – Very Good
 - c. Operation – Recently used primarily on HF bands, for testing old SW tube radios; needs calibration; I recommend using outboard digital frequency counter for precise work
 - d. INCLUDES MANUAL

- 8. **Eico 435** compact oscilloscope (Circa 1966) 3” round screen – \$10
 - a. General – Frequency range, DC to 4.5 MHz, Continuous sweep
 - b. Physical Condition – Good
 - c. Operation – Recently used for testing stereo equipment and audio circuits in old tube radios; needs calibration
 - d. Horizontal trace is tilted 5 to 10 degrees; can likely be fixed by loosening and physically rotating CRT
 - e. INCLUDES MANUAL
 - f. Weight: 15 #

- 9. **Eico Model 488** Electronic Scope Switch – MAKE OFFER
 - a. General – Two vertical signal inputs; single output to scope displays both signals on screen
 - b. Physical Condition – Fair to Good

Of Interest to All

- c. Operation – Works, displays dual traces, but accuracy not known

10. Dentron 80-10AT Random Wire Tuner (1977) - \$50

- a. General – Frequency range, 80 M to 10 M; SO-239 input from transmitter; Single terminal output to random wire antenna
- b. Physical Condition – Excellent
- c. Operation – Last used during 1970's to 1980's when I hung random wires out apartment windows; worked well on 80, 40 and 20; never tried on 15 or 10

11. Yaesu FT-207R Handi-Talkie (1980) – PARTS OR REPAIR - \$10

- a. General – 2-meter synthesized HT “Brick”, w/ battery, leather case, rubber duck and charger
- b. Physical Condition – Very Good
- c. Operation – NO RECEIVE; Appears to transmit; Tone encoder NOT installed so no local repeater access
- d. INCLUDES MANUAL

12. VHF Engineering TRX432 FM Transceiver (1978) – PARTS OR REPAIR - \$10

- a. General – Base station type, Crystal controlled (1 crystal included); 10 watts output; 10-position crystal selection switch w/ LED crystal position indicator lights on front panel; Front firing speaker
- b. Physical Condition – Very Good
- c. Operation – Last used in 1980; currently not working, as far I can tell, but I have no way to test
- d. Parts Values: Nice aluminum cabinet, with front-firing speaker; large heat sink on back panel; Turner Model 360 hand mike

13. Tube Sockets, 9-pin mini Phenolic Wafer Type, New Old Stock,

Offering in lots of 6 for \$1.00 – SPECIFY QUANTITY DESIRED, IN LOTS OF 6

Of Interest to All

14. Vacuum Tubes (All are used or pull-outs; All “light up”, if they have filaments):

0D3 - (Two Available @ \$1 EACH) SPECIFY QUANTITY DESIRED IN BID

1X2 - (Four Available @ \$1 EACH) SPECIFY QUANTITY DESIRED IN BID

6AG5 - (One Available @ \$1 EACH)

6AU6 - (Two Available @ \$1 EACH) SPECIFY QUANTITY DESIRED IN BID

6CW5 - (One Available @ \$1 EACH)

12AB5 - (Two Available @ \$1 EACH) SPECIFY QUANTITY DESIRED IN BID

6146B - (Two Available @ \$1 EACH) SPECIFY QUANTITY DESIRED IN BID

15. Paperback Books (All are in “Good Condition”, Unless Otherwise Noted:

ARRL “FM and Repeaters for the Radio Amateur” (1972) - \$1.00

ARRL “The Radio Amateur’s VHF Manual” (1972) - \$1.00

ARRL “Antenna Book” (1974) - \$1.00

“The ARRL Handbook” (1988) – HARDCOVER - \$4.00

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

Contest Corral

October 2020

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 Date-Time Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 1700 1 2000 3.5		SARL 80-Meter QSO Party	Ph	RS, serial, grid or QTH	www.sarl.org.za
1 1700 1 2100 28		NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	www.net/activity-contests
1 1900 1 2100 1.8-50		SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
3 0600 4 0600 1.8-28		Oceania DX Contest, Phone	Ph	RS, serial	oceaniadcontest.com
3 0600 4 1800 3.5-28		TRC DX Contest	CW Ph	RST, serial, "TRC" (if member)	trcdx.org/rules-trc-dx
3 0700 3 1000 3.5, 7		German Telegraphy Contest	CW	RST, LDK (if DL)	agow.org/index.php/en
3 1200 4 1159 3.5-28		RITTYops WW RTTY	Dig	RST, 4-digit year first licensed	rttyops.wordpress.com
3 1200 4 1159 1.8-28		Russian WW Digital Contest	Dig	RST(Q), 2-char oblast code (if UA)	rdclub.ru/ustav-rtsk
3 1400 4 0200 All		YLRL DX/NA YL Anniversary Contest	CW Ph Dig	Serial, RS(T), SPC	ylrl.org/wpldx-na-yl-contest
3 1600 4 1100 3.5, 7		International HELL-Contest	Dig	RST, serial	www.darc.de
3 1600 4 2200 1.8-28		California QSO Party	CW Ph	Serial, county or SPC	www.cqp.org/Rules.html
3 1700 3 2100 3.5-28		FISTS Fall Slow Speed Sprint	CW	RST, SPC, name, mbr or power	fistsna.org
3 1800 4 1800 All		SKCC QSO Party	CW	RST, SPC, name, 4-char grid	www.skccgroup.com
4 0500 4 2300 3.5-28		RSGB DX Contest	CW Ph	RS(T), serial	www.rsqbc.org/hf
4 0600 4 0900 3.5		UBA ON Contest, SSB	Ph	RS, serial, ON section (if ON)	www.uba.be/en
4 2200 4 2359 7.14, 21		Peanut Power QRP Sprint	CW Ph	RS(T), SPC, peanut nr or power	www.nogacqp.org
5 1900 5 2030 3.5		RSGB 80-Meter Autumn Series, CW	CW	RST, serial	www.rsqbc.org/hf
6 0100 6 0300 3.5-28		ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
7 1700 7 2000 144		VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
7 1900 7 2300 432		432 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
7 2000 7 2100 3.5		UKIICC 80-Meter Contest	Ph	6-char grid square	www.ukiicc.com
10 0000 10 2359 1.8-28		QRP APCI Fall QSO Party	CW	RST, SPC, mbr or power	qrpapci.org/contests
10 0000 11 1559 3.5-28		Makrothen RTTY Contest	Dig	4-char grid square	p1259.org/makrothen
10 0000 11 2359 50-1296		ARRL EME Contest	CW Ph Dig	Signal report	arrrl.org/eme-contest
10 0001 10 2359 28		10-10 International 10-10 Day Sprint	CW Ph Dig	Name, mbr or "10", SPC	www.ten-ten.org
10 0300 11 2100 1.8-UHF		Nevada QSO Party	CW Ph	RS(T), county or SPC	nvqso.com/contest-rules
10 0600 11 0600 1.8-28		Oceania DX Contest, CW	CW	RST, serial	oceaniadcontest.com
10 0800 10 1400 902 and up		Microwave Fall Sprint	CW Ph Dig	6-char grid square	svhfs.org
10 1200 11 1200 3.5-28		Scandinavian Activity Contest, SSB	Ph	RST, serial	www.sactest.net
10 1200 11 2359 1.8-50		SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
10 1500 11 0459 1.8-144		Arizona QSO Party	CW Ph Dig	RS(T), county or SPC	www.azqso.org
10 1600 11 2200 1.8-UHF		Pennsylvania QSO Party	CW Ph	Serial, county or SPC	www.pqso.org
10 1700 10 2100 3.5-28		FISTS Fall Unlimited Sprint	CW	RST, SPC, name, mbr or power	www.fistsna.org
10 1800 11 1800 1.8-144		South Dakota QSO Party	CW Ph Dig	RS(T), county or SPC	www.sdqso.org
10 2000 11 2000 1.8		PODXS 070 Club Great Pumpkin Sprint	Dig	RST, SPC	www.podxs070.com
11 0530 11 0800 2.5		UBA ON Contest, CW	CW	RST, serial, ON section (if ON)	www.uba.be/en
11 0800 11 1000 50		UBA ON Contest, 6 Meters	CW Ph	RS(T), serial, ON section (if ON)	www.uba.be/en
12 0000 12 0200 1.8-28		4 States QRP Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
14 0030 14 0230 3.5-14		NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
14 1700 14 2000 432		VHF-UHF FT8 Activity Contest	Dig	4-char grid square	www.ft8activity.eu
14 1900 14 2030 3.5		AGCW Semi-Automatic Key Evening	CW	RST, serial, year first used a bug	agcw.org/index.php/en
14 1900 14 2030 3.5		RSGB 80-Meter Autumn Series, Data	Dig	RST, serial	www.rsqbc.org/hf
17 0000 18 1600 50, 144		Amurcania World Wide VHF Contest	CW Ph	RS(T), 6-char grid square	avhfc.com/rules/en.pdf
17 0000 18 2359 3.5-28		JARTS WW RTTY Contest	Dig	RST, age of operator	jarts.jp/rules/2020.html
17 0001 18 2359 28		10-10 International Fall Contest, CW	CW	Name, mbr or "10", SPC	www.ten-ten.org
17 1400 18 0200 All		New York QSO Party	CW Ph Dig	RS(T), county or SPC	www.nyqso.org
17 1500 18 1459 3.5-28		Worked All Germany Contest	CW Ph	RS(T), DOK code or "NM" or serial	www.darc.de
17 1500 18 1500 1.8		Stew Perry Topband Challenge	CW	4-char grid square	www.k1en.net/stew
17 2000 17 2359 1.8-7, 21-50		Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
17 2130 17 2230 7		Argentina National 7 MHz Contest	Ph	RS, year first licensed	lu4aa.org/wpl/concurso-nacional-40m
18 0000 18 0200 14-21		Asia-Pacific Fall Sprint, CW	CW	RST, serial	jstc.org/lapsprint/aprule.txt
18 1400 21 0800 1.8-144		Classic Exchange, Phone	Ph	Name, RS, SPC, rig	classicexchange.org
18 1700 19 0100 1.8-144		Illinois QSO Party	Ph	RS(T), county or SPC	w9awe.org/ILQPH.html
18 1900 18 2030 3.5		RSGB RoLo CW	CW	RST, 6-char grid of previous QSO	www.rsqbc.org/hf
18 2300 19 0100 1.8-28		Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
19 1300 23 2359 All		ARRL School Club Roundup	CW Ph	RS(T), class (JC/S), SPC	arrrl.org/school-club-roundup
19 1800 20 0300 1.8-UHF		Telephone Pioneers QSO Party	CW Ph Dig	RS(T), chapter (if member), name	www.tpqso.com
19 1900 19 2030 3.5		RSGB FT4 Contest Series	Dig	4-char grid square	www.rsqbc.org/hf
24 0000 25 2359 1.8-28		CQ Worldwide DX Contest, SSB	Ph	RS, CQ zone	www.cqww.com/rules.htm
28 0000 28 0200 1.8-28		SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
28 2000 28 2100 3.5		UKIICC 80-Meter Contest	CW	6-char grid square	www.ukiicc.com
29 2000 29 2130 3.5		RSGB 80-Meter Autumn Series, SSB	Ph	RS, serial	www.rsqbc.org/hf
30 1600 30 2359 3.5-14		Zombie Shuffle	CW	RST, SPC, Zombie natures code, name	www.zianet.com/qrp
31 1200 1 1159 1.8-28		Russian WW MultiMode Contest	CW Ph Dig	RST(Q), oblast or serial	rdclub.ru/ustav-rtsk
31 1200 1 1200 3.5-28		UKEL DX Contest, SSB	Ph	RS, serial, district (if UKEL)	www.ukelcc.com

There are a number of weekly contests not included in the table above. For more info, visit: www.qrpfoxhunt.org, www.ncscsprint.com, and www.swops.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.