

THE eQRM

MARCH 2022



The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ

2M Repeater

145.310

PL 131.8



On the Cover: In Western Pennsylvania, March is the time for sugar maple syrup season. Snow can make the harvest quite a challenge. Check out the link below for more information :

<https://nextpittsburgh.com/kidsburgh-pittsburgh/10-sweet-ways-to-celebrate-maple-syrup-season-in-western-pa/>

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Check into our nets

Wednesday 2 Meter	Wednesday 10 Meter
8:30PM on 145.310 MHz PL 131.8	9:00PM on 28.470 MHz

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Who We Are

2022 BVARA OFFICERS

President: Jack Spencer, KZ3Z

Vice President: Dan Grazulis, KB3VSP

2nd Vice Pres.: Doug Lawrence, K3GTX

Treasurer: Pam Spencer, W3PMS

Secretary: Norm Trunick, K3NJT

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

2022

Mar 10

Apr 14

May 12

Jun 09

Jul 14

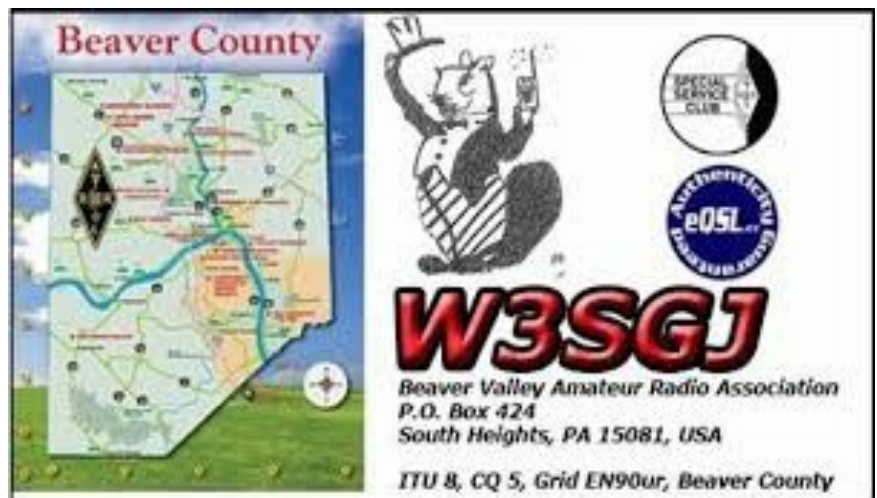
Aug 11

Sep 08

Oct 13

Nov 10

Dec Christmas Party



This Month

March Special Session:

Speaker: 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 . . .

Once again, we've been approached as a club to provide help in answering your questions. At our monthly club meeting, a 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. 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's Background:

K3SOM - 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!



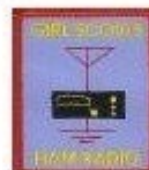
The BVARA meets every Thursday at the Freedom Square Diner in Center Township, just to the right of the Cinemark Center Township Marketplace at 09:30 AM. All radio amateurs and those interested in amateur radio are encouraged to come join us at our Thursday morning breakfast.

**See you
Thursday at**



RACES / ARES

The eQRM Urges All County Hams to Participate.



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 2022 VE Test Session Results



Our February VE Test Session had three successful candidates, with the participants achieving their goal of passing the exam. Our new electronic filing system once again worked superbly with completion of new and/or upgraded licenses available in just two days. A congratulations email was then sent to the candidates with a snippet of their license page with their new callsign and/or verification that all information was entered correctly.

Our testing was conducted at our normal location at the Beaver County Emergency Services Center in Ambridge, PA. We are anticipating the continued use of the facility for our VE testing.

Congratulations to:

Bob Ruppel - KB3RHM, Freedom, PA passed the Extra exam

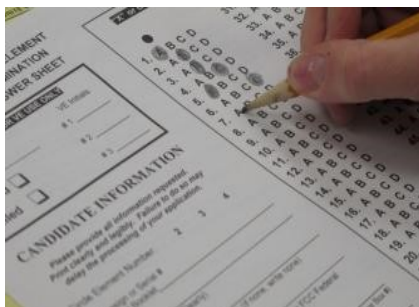
Greg Burns - KC3TFW, Aliquippa, PA passed the General exam

Keith Custard - KC3TMC, Beaver, PA passed the Tech exam

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

Reg Genola – W3REG,
Tony Pavilonis – K3AHP,
Mick Pyzoha – N3OJP,
Bart Stack – KB3NFM, and
Bob Winkle – N3AZZ

Congratulations!



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



TWO RIVERS AMATEUR RADIO CLUB 50th ANNUAL AMATEUR RADIO / COMPUTER SHOW SUNDAY APRIL 3rd, 2022 - 8am to 2pm

The McKeesport Palisades – 100 Fifth Ave – McKeesport, PA 15132

<https://www.themckeesportpalisades.com/>

Directions: 146.73 Repeater (No PL Tone)

Mobile Check-In: 146.52 MHz Simplex

(Mobile Check-In prize will be awarded. Must be present to win)

Main Prizes: ICOM-7300
Alinco DJ-MD5XT Dual Band DMR Handheld
HP 14-inch laptop computer
NANOVNA Vector Network Analyzer w/Book

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.net>.

Admission \$5.00

Tables:

\$15 each for the first two tables

\$12 each for the 3rd table and above

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

Information: Contact Bill Powers at 412-260-5699 or email: atsfbill2@gmail.com

Overnight parking is available

Amateur Radio Exam Testing is Available

Exam Registration: 412-751-9657 email: veteam@trarc.net

Breakfast and Lunch Available

This is an ARRL sanctioned hamfest

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



I want to thank two radio operators...

I was on my way home from Beaver Falls. I was on Virginia Avenue, the road between New Brighton and Rochester. There was a terrible car accident. I was one of three cars not involved with the accident to arrive on the scene. I reached for my ham radio mic. I needed to know help was on the way before I did anything else. I called for help on the Triple A repeater, our brother ham radio club. Ron Lapina KC3IDZ responded, ready to help by contacting 911 emergency services on his telephone. As Ron was taking down the leading particulars another Ham, Domenic Bedolatti N3EJL, monitoring the frequency let us know he heard the call for help go out on the police frequency... I went to render first aid. After emergency personnel arrived and were in charge of the situation, I returned to my vehicle and called the Triple A repeater again to thank both operators for their help and professional service.

Well done men. Thank you for stepping up and being ready to render aid to your community in this emergency.

This is a prime example of how Amateur Radio Operators step-in, ready to help when an emergency arises.

You two make me proud to be a member of this wonderful group. Good job!

David KC3BXC

Of Interest to All

My First Two Hamfests

Well, being relatively new to the hobby, received my Tech and General licenses on 19 Mar 2021, I remember numerous early club net discussions concerning Hamfests. At that time, the net commenters expressed a degree of sadness on this topic. The reason as they explained was that many, if not all, Hamfests in 2020 and so far in early 2021 were being cancelled due to Coronavirus disease, aka COVID-19. However, it seemed like all the net commenters were hopeful that during the remaining months in 2021 and in the new year that hamfests would reoccur.

So, the first thing I did when I heard the net discussions on hamfests was to look the term up. What I found was that a hamfest is an event where [amateur radio operators](#) can meet up and trade [equipment](#) (reference <https://en.wiktionary.org/wiki/hamfest>). This sounded interesting but I was unsure what the hamfests were really all about. As luck would have it, the Sep 2021 issue of BVARA *eQRM* Newsletter had an announcement for the 12 Sep 2021, SwapFest, Butler County Amateur Radio Association, Inc. W3UDX. This would be my first opportunity to attend an amateur radio hamfest.



So, on that particular Sunday morning I awoke early, put the address in the GPS, and drove North to the Swapfest. I arrived behind the fire hall building around 7:45, paid my entrance fee, and was directed to a grass field to park my Jeep. There were already about six rows of cars parked on the recently mowed sweet smelling and very green grass field. I was starting the seventh row.

Not sure what to do next, I walked over to where there were tables set up outside and where people were standing around. Located in the parking lot behind the fire hall were about 30 tables. Each table had all kinds of electronic equipment, parts, tools, and items. Some new items, some not so new, and some old used items for sale. The prices for the items ran from one dollar to hundreds of dollars.

Many of the people looking at the items on the various tables wore their name, call sign and club name embroidered on their shirt, hat, or both. This to me was interesting with the obvious purpose of being a name tag. This was also helpful since many of the individuals knew each other by call sign and name but not by sight recognition. I was already thinking I needed a hat with my name and call sign. Sure enough, there was a lady with a table that offered that particular service (reference email amy@createdbyamy.com). Note also that a number of individuals were unhappy, since they ended up with green dyed shoes from walking through the grass parking lot.

Meeting up with other radio operators at the hamfest was part of the found definition. Some of the individuals that I met that day for an eyeball QSO were, Rich K3SOM, Dan KB3VSP, Doug K3GTX, and Frank N3TN. Rich was very helpful describing and explaining the purpose of the items on the various tables that I had no idea what I was looking at. I definitely was Rich's shadow as he moved from table to table looking at the various items.

Of Interest to All



The next opportunity to attend a hamfest, my second, was the 27 Feb 2022, WASHfest, Wireless Association of South Hills Amateur Radio Club, Inc. which was described in the Feb 2022 BVARA *eQRM* Newsletter. The WASHfest was held inside a building that held about 20 to 30 tables. There were tables that had microphones, receivers, old radio magazines and books, various antennas, circuits, capacitors, tubes, resistors, toroid rf chokes, laptops, etc.

One of the tables had a display of circuit build kits. I ended up purchasing a SDR circuit kit that modifies a DVB T+DAB+FM dongle from 25Mhz – 1.7Ghz to 1kHz – 1.7Ghz. The seller who was there with samples was Jim WA3TFS. He took time and described the circuit that he designed and his articles published in *QST Magazine*.

The other item purchased was a dual band J-pole made by Art WA3BKD. A number of club members who have this antenna have spoken about how well made it is. I definitely had this item on my wish list. I was warned that Art's antenna is so popular that one has to be there early to get one. While I was there at Art's table, Otto NO3U and Mick N3OJP, were also both purchasing antennas. For whatever reason, this purchase is now feeling like a 'Right of Passage'. Also, it is true, Art's antennas for sale were sold out within an hour.

As with the first hamfest, there were a number of eyeball QSOs. I was with Mick N3OJP and purchased a few toroids. I mentioned Otto NO3U and the purchase of the J-pole. The other eyeball QSO was with Dan KB3VSP. Dan introduced me to one of his friends, Dale. I am sad I did not catch Dale's call sign. One discussion we had concerned the early days of the BVARA.

Amateur radio is definitely a fascinating hobby. Hamfests are an interesting unexpected part of this hobby. The tables loaded with various electronics, from the past to the current, is like traveling in a time machine. One has to agree that an enjoyable part of a hamfest is meeting face to face with the radio enthusiasts that share the same passion. I can't wait until the next hamfest to see what there is being offered and also to have an eyeball QSO with you.

Larry Homich – KC3ROS

Of Interest to All



Have you started planning what you are going to do for June 25-26 Field Day 2022?

Field Day is ham radio's open house. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains the most popular event in ham radio.

Many clubs use Field Day to train new hams in proven practices including learning to operate in abnormal situations in less than optimal conditions as well as contacting as many stations as possible on the 160, 80, 40, 20, 15 and 10 Meter HF bands, as well as all bands 50 MHz and above. This exercise helps to prove operational capabilities under challenging propagation conditions as well.



What are you waiting for? It's right around the corner!

Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and running through 2059 UTC Sunday.

Bits and Pieces

Hello All,

The Western Pennsylvania weather is being a tease for us with some warm days and the snow all melted away. It hasn't been a particularly bad winter but many of us are ready for Spring. Two days ago, I heard and saw Redwing Black Birds. They are one of the first snowbirds to return home to my farm each year. When the Barn Swallows show up, I know spring is truly here. They won't be home for a while yet. I am satisfied with the Black bird's return celebrating the coming of Spring for now.



Did anyone get to the South Hills Hamfest on the 27th of February? I got a bad cold that wiped me out for that weekend. I didn't get to go. I was very disappointed I had to miss it. I trust all had a good time. See Page 11 for the thoughts of Larry Homich, KC3ROS about the first two hamfests that he attended as a new ham to the hobby. I'm sure we all can relate to his observations and reactions!

I have been Elmering a friend that lives in the Sun Shine state of Florida. With his successful achievement of a Technician Class license, Craig is now working toward his General License. I have been challenged to answer his questions about ham radio. I don't know it all. I lean on my fellow Hams to help me give Craig the correct answers. Thanks to you all. It's impossible not to get excited about radio with my friend! Part of his excitement has to do with a brandy spanking new Icom 7300 he is itching to get on the air with. His excitement re-kindles my excitement in the amateur radio hobby. When was the last time you shared your amateur radio hobby with someone? If we fail to share, our hobby will not grow. Invite someone to your shack.

Think first. Before you do whatever, "it" is. Please be safe.



Clear on your final, but I will be monitoring.

73 KC3BXC



Radio Sport

Contest Corral

March 2022

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
Date-Time	Date-Time							
1	1900	1	2100	3.5	AGCW YL-CW Party	CW	RST, serial, "YL" (if a YL), name	agcw.de/contest/yl-cw-party
2	1300	2	1400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
2	1700	2	2000	1.44	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
2	1900	2	2000	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
2	2000	2	2100	3.5	UKEICC 80-Meter Contest	Ph	6-char grid square	ukeicc.com/80m-rules.php
2	2300	6	2300	3.5-14	AWA Rollins Memorial DX Contest	CW	RST, equipment type and year	antiquewireless.org
3	0000	4	0300	7	Walk for the Bacon QRP Contest	CW	RST, SPC, name, mbr or power	qrpccontest.com/pigwalk40
3	0300	3	0400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
3	0700	3	0800	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
3	1800	3	2200	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RST, 6-char grid square	nrrlcontest.no
3	2000	3	2200	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
4	0145	4	0215	1.8-21	NCCC RTTY Sprint	Dig	Serial, name, QTH	www.ncccsprint.com
4	0230	4	0300	1.8-21	NCCC Sprint	CW	Serial, name, QTH	www.ncccsprint.com
4	2000	4	2100	1.8-28	K1USN Slow Speed Test	CW	Name, SPC (max 20 WPM)	www.k1usn.com/sst.html
5	0000	6	2359	1.8-28	ARRL International DX Contest, SSB	Ph	WVE: RS, SP; DX: RS, power	www.arrl.org/arrl-dx
5	0000	13	2359	Novice bands	Novice Rig Roundup	CW	Name, QTH; Optional: Rig	www.novicerigroundup.org
5	0600	5	0800	7, 14	Wake-Up! QRP Sprint	CW	RST, serial, suffix of previous QSO	qrpucontest.com/wakeup
5	1800	6	1359	1.8-28	Open Ukraine RTTY Championship	Dig	State/province/canton/etc., serial	krs.ho.ua/openrtty
6	0700	6	1100	3.5	UBA Spring Contest, CW	CW	RST, serial, UBA section (if ON)	www.uba.be
6	1200	6	1400	7	SARL 40-Meter Simulated Emergency Test	Ph	RS, serial	www.sarl.org.za
6	1200	6	2200	3.5	NSARA Contest	CW Ph Dig	RS(T), Nova Scotia county or serial	nsara.vet1cfy.net/?page_id=82
6	1800	6	2200	3.5	WAB 3.5 MHz Phone	Ph	RS, serial, WAB square or country	wab.internip.net/Contests.php
7	0000	7	0100	1.8-28	K1USN Slow Speed Test	CW	Name, SPC (max 20 WPM)	www.k1usn.com/sst.html
7	1630	7	1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
7	2000	7	2130	3.5	RSGB 80-Meter Club Championship, Digital	Dig	RST, serial	www.rsgbcc.org/hf
8	0200	8	0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrq.blogspot.com
12	0000	12	2359	3.5-28	YB DX RTTY Contest	Dig	RST, serial	rtty.ybdccontest.com
12	1000	13	1000	3.5-28	RSGB Commonwealth Contest	CW	RST, serial	www.rsgbcc.org/hf
12	1200	13	1200	28	South America 10 Meter Contest	CW Ph	RS(T), CQ zone	sa10m.com.ar/wp/rules
12	1200	13	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
12	1400	12	2000	3.5-28	AGCW QRP Contest	CW	RST, serial, pwr class, mbr or "NM"	www.agcw.de/contest/qrp
12	1500	13	1500	1.8	Stew Perry Topband Challenge	CW	4-char grid square	www.kkn.net/stew
12	1500	13	2100	3.5-50	Oklahoma QSO Party	CW Ph	RS(T), OK county or SPC	k5cm.com/okqp.htm
12	1600	13	1600	3.5-28	EA PSK63 Contest	Dig	RSQ, EA province or serial	concursos.ure.es/en/eapsk63
12	1800	13	0559	3.5, 7	TESLA Memorial HF CW Contest	CW	RST, serial, 4-char grid square	www.radiosport.org.rs
12	1900	13	1900	1.8-28	Idaho QSO Party	CW Ph	RS(T), ID county or SPC	pocatelloarc.org/idahosoparty
12	2300	13	0300	3.5-14	North American Sprint, RTTY	Dig	Other's call, your call, serial, name, SPC	ncjweb.com
13	0700	13	1100	1.44	UBA Spring Contest, 2 Meters	CW Ph	RST, serial, UBA section (if ON)	www.uba.be
13	0700	13	1700	3.5-28	FIRAC HF Contest	CW	RST, serial, "F" (if a member)	www.firac.de
13	1800	14	0100	All	Wisconsin QSO Party	Ph	WI county or SPC	www.wisconsinqso.org
14	0000	14	0200	1.8-28	4 States QRP Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
14	1630	14	1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
15	1700	20	1700	3.5-28	CLARA Chatter Party	CW Ph	RS(T), name, SPC	clarayl.ca/chatter-party
16	2000	16	2130	3.5	RSGB 80-Meter Club Championship, CW	CW	RST, serial	www.rsgbcc.org/hf
17	0000	18	0300	1.4	Walk for the Bacon QRP Contest	CW	RST, SPC, name, mbr or power	qrpccontest.com/pigwalk20
17	0030	17	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
17	1900	17	2059	3.5	BCC QSO Party	CW Ph Dig	RS(T), T-shirt size	bavarian-contest-club.de/contest
19	0200	21	0159	3.5-28	BARTG HF RTTY Contest	Dig	RST, serial, 4-digit UTC time	www.bartg.org.uk
19	1200	20	1200	1.8-28	Russian DX Contest	CW Ph	RS(T), Oblast or serial	www.rdxcc.org
19	1200	20	1200	3.5-144	F9AA Cup, SSB	Ph	RST, serial	www.site.urf.asso.fr
19	1400	19	1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, power class, 6-char grid	agcw.de/contest/vhf-uhf
19	1400	20	2359	All	Virginia QSO Party	CW Ph Dig	Serial, VA county or SPC	qsl.net/sterling/VA_QSO_Party
19	2000	19	2159	1.8-28	Feld Hell Sprint	Dig	Mbr, SPC, grid	sites.google.com/site/feldhellclub
20	0700	20	1100	3.5	UBA Spring Contest, SSB	Ph	RS, serial, UBA section (if ON)	www.uba.be
20	2300	21	0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpccontest.com/pigrun
21	1630	21	1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
21	1800	21	2059	3.5, 7	Bucharest Digital Contest	Dig	RST, serial	yo3test201x.blogspot.com
23	0000	23	0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	skccgroup.com
24	2000	24	2130	3.5	RSGB 80-Meter Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org/hf
26	0000	26	2359	1.8-VHF	FOC QSO Party	CW	RST, name, mbr (if any)	g4foc.org/qsoparty
26	0000	27	2359	1.8-28	CQ WPX Contest, SSB	Ph	RS, serial	cqwpw.com/rules.htm
27	0600	27	1000	50	UBA Spring Contest, 6 Meter	CW Ph	RST, serial, UBA section (if ON)	www.uba.be
28	2000	28	2130	3.5-14	RSGB FT4 Contest	Dig	4-char grid square	www.rsgbcc.org/hf
30	2000	30	2100	3.5	UKEICC 80-Meter Contest	CW	6-char grid square	ukeicc.com/80m-rules.php