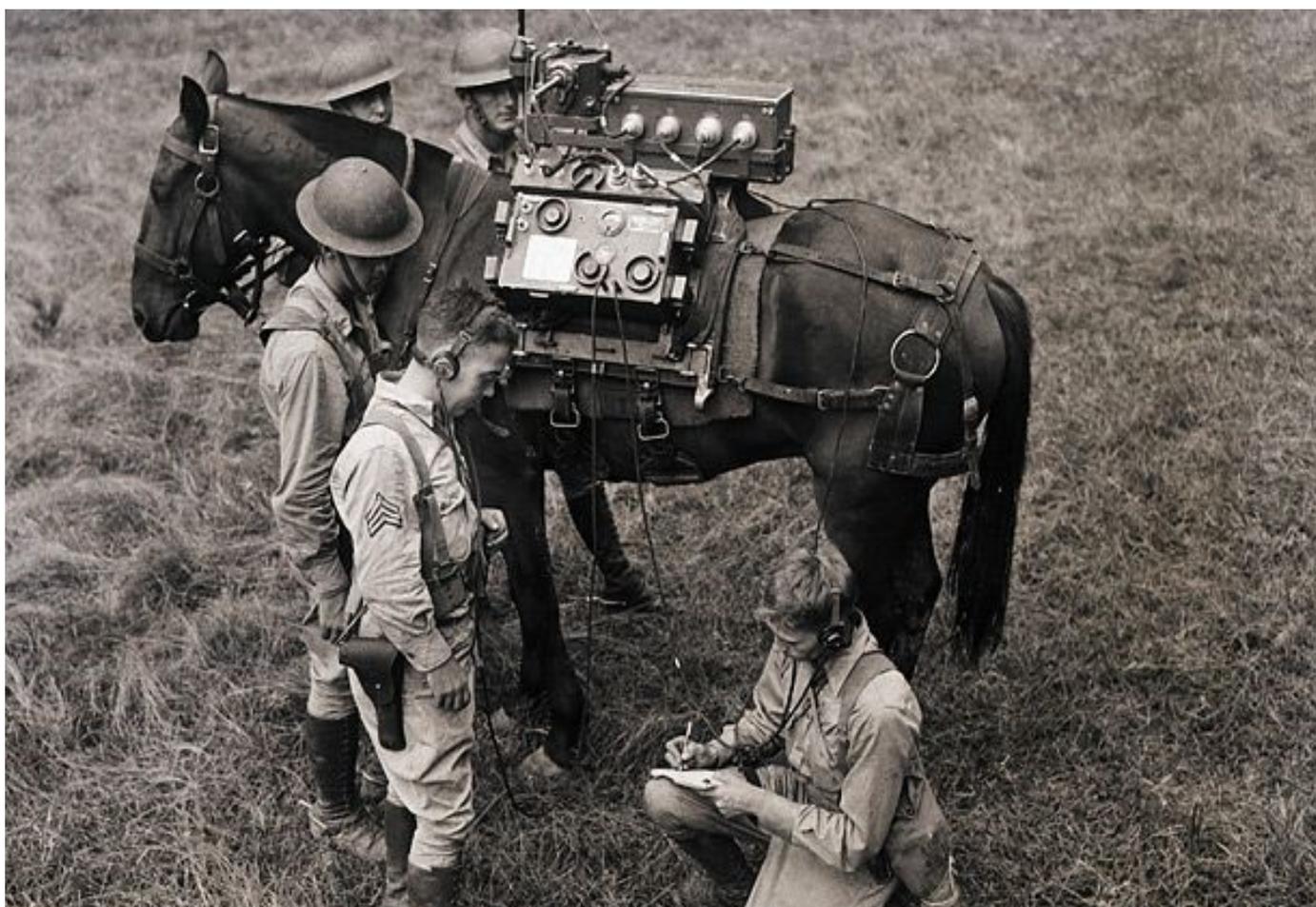


# THE eQRM

AUGUST 2021



## The BVARA in Beaver County Pennsylvania

Beaver Valley Amateur Radio Association

W3SGJ

Repeater 145.310 PL 131.8

**On the Cover:** This is a 1940 photograph of the US Army Signal Corps communicating via radio in the field.

I wonder if that radio kit weighed as much as or more than the soldier!

This Radio Set SCR-203 (Phillip pack saddle mounted). Consisted of a BC-228 transmitter – Transmitted 2.1-3.1 MHz (2 each VT-25 & VT-50), a BC-227 receiver – Received 2.1-3.1 MHz, a BC-235 control box. The unit was powered by various battery packs and a GN-35 hand cranked generator and used a 25 ft whip antenna (image courtesy of the W.J. Schweitzer collection) <https://tinyurl.com/hxp5akx>

## Inside this edition

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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**

The eQRM is a publication of the Beaver Valley Amateur Radio Association (BVARA) and is Copyright 2010 - 2021. All material presented in this publication is not necessarily the views of the American Radio Relay League (ARRL), BVARA, or members of the said organizations. If you would like to contact the editor of the eQRM, please email David at [kc3bxc.73@gmail.com](mailto:kc3bxc.73@gmail.com). Please visit us online at [www.W3SGJ.org](http://www.W3SGJ.org). To subscribe to our newsletter, please visit [W3SGJ.org/newsletter.php](http://W3SGJ.org/newsletter.php)

# Who We Are

## 2021 BVARA OFFICERS

President: Jack Spencer, KZ3Z

Vice President: Dan Grazulis, KB3VSP

2nd Vice Pres.: Open

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

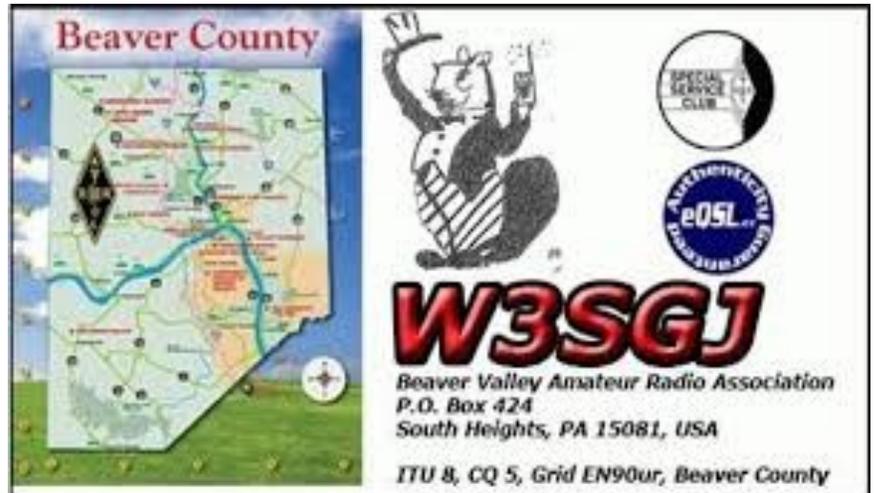
All meetings are held at the  
Beaver County  
Emergency Services Center  
351 14th Street  
Ambridge, PA 15003  
on the second Thursday of every month  
(unless otherwise stated).

*All meetings subject to Covid restrictions and cancellations.*

## Club Meetings 2021

No Club Meeting for August  
Aug 21 Corn Roast

Sep 09  
Oct 14  
Nov 11  
Dec 08 Christmas Party  
Jan 13 2022  
Feb 10  
Mar 10  
Apr 14



# This Month



## *The Club Meeting:*

No Club meeting for August.

We'll all be at

The Corn Roast!

See Page 13 for the details.



# 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



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.



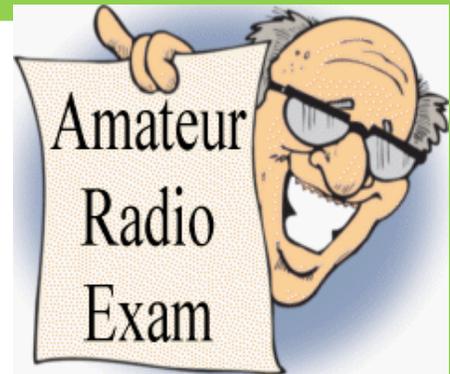
ALL candidates MUST bring ALL of the following:

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 only.
6. Your FRN Number. (free from the FCC, call for details)

# New License and Upgrades

BVARA VE Testing

## Testing this month :



### July 2021 VE Test Session Results

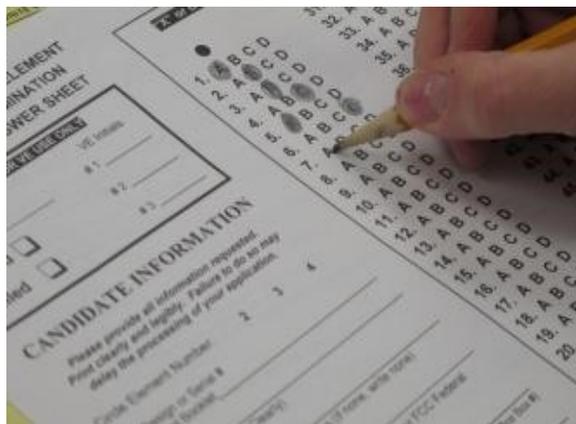
Our July VE Test Session had no candidates show up to test. We will hold our next test session on the 9th of September, just prior to our regular Club Meeting.

Our testing is conducted at our normal location at the Beaver County 911 Emergency Services Center in Ambridge, PA.

Our testing would not be possible without the dedicated 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

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



## Uniontown Amateur Radio Club 71st Annual Gabfest Saturday, August 14, 2021



# NEW DATE!!!!

*The Uniontown Amateur Radio Club – W3PIE will conduct our  
71<sup>st</sup> Annual GABFEST on a NEW DATE  
Saturday, August 14<sup>th</sup>, 2021!*

The gates open around 8:00 AM with vendors welcome at any time prior to 8:00 AM! As current Pennsylvania Covid-19 restrictions are changing frequently, please check our web site [www.w3pie.org](http://www.w3pie.org) for Covid 19 restriction updates. Social distancing is a must!

The GABFEST will be held at the Radio Club Grounds located on Old Pittsburgh Road just off Northgate Highway/RT 43 Mon Fayette Expressway--- near RT 51 and US RT 119 in Uniontown, PA

*Talk in will be provided on 147.045 + (Full Time PL 131.8) Just call for W3PIE Gabfest Talk-In. This talk-in is provided for directions and Gabfest information. No check in is needed if you know how to get here!*

As always, free parking is available! Refreshments available! Free Swap-N-Shop Set-up with registration! Check our web site prior to the event for Covid 19 Restriction Updates.

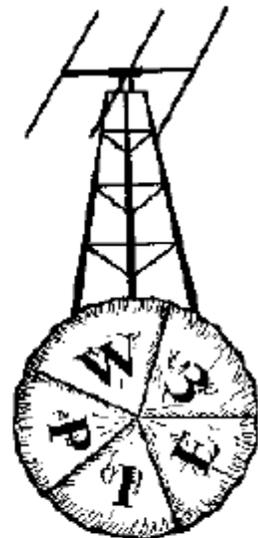
Same Location, Same Free Parking, Same Great Food, New Presentations, More Fun - and – **NEW DATE!**

Hamfest Prizes for our event
1 <sup>st</sup> Prize- Yaesu FTM7250D VHF/UHF Fusion Mobile Radio
2 <sup>nd</sup> Prize- Yaesu FTM7250D VHF/UHF Fusion Mobile Radio
3 <sup>rd</sup> Prize- Malahit-DSP SDR Handheld Receiver (or equivalent)
4 <sup>th</sup> Prize- SDR-FE-Play HF-2GHz Receiver
5 <sup>th</sup> & 6 <sup>th</sup> Prize- NanoVNA-H4 4" Display handheld VNA

Address of UARC-W3PIE is 433 Old Pittsburgh Rd, Uniontown, PA

Contact Tony Alviar 724-430-1277 (M-F 8-4) or George Syner 724-439-1554 (leave message if no answer) if more information is needed. Also, Information is available anytime on 147.045 + (Full Time PL 131.8). Additionally- email [officers@w3pie.org](mailto:officers@w3pie.org) for information

**Look forward to seeing everyone this year!**



# Hamfests & General Announcements



## 2021 SKYVIEW RADIO SOCIETY SWAP N SHOP!

SUNDAY AUGUST 29, 2021

LOCATED AT OUR CLUB GROUNDS NEAR NEW KENSINGTON PA

Aprox 13 miles northeast of Pittsburgh

2335 Turkey Ridge Road

New Kensington, PA 15068

Talk-in 146.640- 131.8pl

Admission \$5.00 – Table space is \$5.00 (Bring your own table)

Great prizes

Door prizes

Begali CW key raffle

Breakfast and lunch served

Get your Skyview Burger and your Skyview Dipole Hotdog!

Contact: John Italiano WA3KFS - 724-339-3821

[www.skyviewradio.net](http://www.skyviewradio.net)

Location is near the intersection of Rt. 366 and Rt. 380

**From Apollo / Leechburg:** Take Rt. 66 S to Rt. 380. Take 380 W to Rt. 366. Take Rt. 366 W (toward New Kensington) to the end of the 4 lane. Go ¼ mile past the end of the 4 lane. Turn right on Whitten Hollow Road. Go about ¼ mile to first stop sign. Turn right on Turkey Ridge Road. Go about ¼ mile to top of hill. Skyview is on the left.

**From New Kensington:** Take Rt. 366 E. Go about 5 miles from the Parnassas area. Look for the Hannan Building on the left. Go about 100 yards past the Hannan Building (If you get to the 4 lane, you went too far). Turn left on Whitten Hollow Road. Go about ¼ mile to first stop sign. Turn right on Turkey Ridge Road. Go about ¼ mile to top of hill. Skyview is on the left.

**From Monroeville / Parkway:** Take Rt. 286 E to Rt. 380 E. Take Rt. 380 E to Rt. 366. Take Rt. 366 W (toward New Kensington) to the end of the 4 lane. Go ¼ mile past the end of the 4 lane. Turn right on Whitten Hollow Road. Go about ¼ mile to first stop sign. Turn right on Turkey Ridge Road. Go about ¼ mile to top of hill. Skyview is on the left.

**From Greensburg:** Take Rt. 66 N to Rt. 366. Take Rt. 366 W (toward New Kensington). Cross over Route 380 and then go to the end of the 4 lane. Go ¼ mile past the end of the 4 lane. Turn right on Whitten Hollow Road. Go about ¼ mile to first stop sign. Turn right on Turkey Ridge Road. Go about ¼ mile to top of hill. Skyview is on the left.

# Bits and Pieces

## Hello all,

Wow Summer is going by so fast for me. I remember looking out the window at snow and wishing for Summer & green grass. I feel like Summer is going by so fast I am missing it! I really haven't missed it; I simply want it to last longer. I want to savor it longer.



Some great Summer events have already taken place, like POTA events. Field Day was one I truly enjoyed. The Club Corn Roast is right around the corner. I look forward to all the fun of the Corn Roast. There will be good food, good friends and radio comradery! There are two hamfests pretty close-by this month too! I would like to attend both. I most likely will make it to one. I am excited! How about you, will you attend these hamfests? I hope you get the opportunity to attend at least one or better yet, both.

There is still much to enjoy this Summer. I encourage you to grab all you can and enjoy ever minute of it! I hope to spend some enjoyable time with you somewhere in this Summer's proceedings. If not in person, it will be great to visit you on the air.

Till next month be safe, KC3BXC clear... I'll be listening.



# It's Your Dime

## 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](mailto:kc3bxc.73@gmail.com)



*I received this email regarding an upcoming contest and a list of contest software:*

Dear radio amateurs,

We would like to invite you to take part in the traditional annual Russian Districts Award Contest (RDAC-2021), which will be held on August 21-22, 2021 for the 19th time. Radio amateurs from all over the world are invited to participate in the competition, and we really hope for your support. The competition rules are located at:

<http://rdaward.org/rdac1.htm>

The results of the past RDAC can be found on the judging team website:

[https://ua9qcq.com/en/results.php?lang=en&testid=36&db\\_yr=2020&db\\_mo=0](https://ua9qcq.com/en/results.php?lang=en&testid=36&db_yr=2020&db_mo=0)

Many years ago, for the first time in the world, the organizers of RDAC invented and developed a system for scoring QSOs in competitions without obtaining QSL-cards for the RDA diploma program.

After the judging is over, you can get new RDA districts on the RDA Autocfm website:

<https://mydx.eu/>

We are looking forward to seeing you at the RDA Contest 2021.

### List of contest software options:

1. AATest v2.1.29 by RZ4AG [https://dxsoft.com/en/products/aalog\\_contest/](https://dxsoft.com/en/products/aalog_contest/)
2. N1MM Logger+ by N1MM <https://n1mmwp.hamdocs.com/>
3. SD by EI5DI <http://www.ei5di.com/>
4. TR4W Logger by N6TR and Co. <https://tr4w.net/>
5. [DXLog.net](http://www.dxlog.net/) - Contest logger by 9A5K <http://www.dxlog.net/>
6. Win-Test by F5MZN – Commercial! <http://www.win-test.com/>
7. AIO Contest Logging Software by WD8KNC <http://www.ghafler.com/wd8knc.html>
8. GenLog by W3KM <https://www.qsl.net/w3km/>
9. 5MContest Log Software <http://5mcontest.qrz.ru/>

Sincerely,

Roman Novikov, RA3R

RDA Manager and Organizer of the RDA Contest

*(N3FJP also offers a large list of commercial contest software, as well – Rich, K3SOM)*

## BVARA Corn Roast



**Join our Beaver Valley Amateur Radio Association celebration of Summer!**

**When:** Saturday, August 21<sup>st</sup>, 2021 at 5:30 pm

**Where:** Old Economy County Park, Shelter 1 (enter the park and turn left at the swimming pool) where we were on Field Day this year

**Who:** All BVARA members and their families and invited guests

**What:** Club furnishes the corn - please bring a home-baked dessert or covered dish. All home-brought foods are optional, but home-made extras add to the deliciousness. Hot Dogs, Coffee, pop, and bottled water will be available. Again, you may choose to bring your own (non-alcoholic) beverages.

**RSVP:** For planning purposes, we need a count by August 13<sup>th</sup> of how many people will be there, so please:

Email your response to [jjjallen@comcast.net](mailto:jjjallen@comcast.net) or [pavilonis@comcast.net](mailto:pavilonis@comcast.net) or

- Call Jim, KC3IXE at (724) 630-7433 or
- Call Tony, K3AHP at (412) 974-9183

# Of Interest to All



The next **QSO Today Virtual Ham Expo** is Live from **August 14-15, 2021** and then on-demand for 30 days. It's a great experience for those that want to improve their amateur radio knowledge and get exposed to new ideas, cutting edge ham radio technology, and practical techniques. And no need to travel - anyone can participate from their home or office! Information can be found at <https://www.qsotodayhamexpo.com>.

**At the Expo, you can listen and engage with almost 100 internationally recognized ham radio luminaries on approximately 18 different topic areas - there is something for everyone.** Topics include: Antennas and Transmission Lines, Build-A-Thons, Contesting/DX, Controllers, Digital Voice Mode, Emergency Communications, Filters and Tuned Circuits, Future of Amateur Radio, Ham History, HF Digital Modes, New License - Now What?, Power Amplifiers, Propagation, Radio Astronomy, Software and Services, Space and Satellites, Test and Measurement, and Youth in Amateur Radio.

Here are a few examples of speakers you'll want to listen to: (a complete list of speakers can be found at <https://www.qsotodayhamexpo.com/spkrlist.html>)

#### “Antennas and Transmission Lines” Track:

- **Small Transmitting Loop Design Project:** Learn about STLcalc, an open-source program providing a flexible design aide for STL and Magnetic Loop antennas that can respond to user's changing needs and design goals. (August Hansen, KB0YH)
- 
- **Compromise Beverage Antennas Hear Better Than You Think!** Don't give up easily on trying a Beverage receiving antenna. Discover how to overcome non-ideal terrain and space limitations. (Geoffrey Mendenhall, W8GNM)
- 
- **Fun with HF QRP Pedestrian Mobile:** A look at two antennas for HF pedestrian mobile and the results possible. (Peter Parker, VK3YE)
- 
- **N4KC's Top 5 Get-On-The-Air-Quick Antennas:** Recommendations for the top five simplest, most effective antennas to consider for your station. (Don Keith, N4KC)



# Of Interest to All

## “New License - Now What” track:

- **HF Noise Mitigation:** Learn about the various sources of noise, and how to mitigate noise using a variety of techniques. (Mike Ritz, W7VO)
- 
- **How to Hammer your Next Ham Exam:** Discover the steps to take to master the material and excel in your next ham exam. (Michael Burnette, AF7KB)
- 
- **Six Winning Ways to Get Contacts on HF:** Get tips on six winning ways to make HF contacts. (Peter Parker, AK3YE)
- 
- **Technician Licensees, Life Beyond Local Repeaters:** Explore the world of activities, modes and bands available beyond local repeaters. (Anthony Luscre, K8ZT)
- 

**Watch as many presentations as you want!** A big limitation of in-person events is that you can't watch many of the presentations (you can only be in one room at a time). At the Expo, return anytime within 30 days to view any of the presentations that you missed as well as explore exhibitor offerings. At our last Expo, our 7,500 attendees downloaded 100,000 presentations during the 30 day on-demand period.

**ARRL, the national association for Amateur Radio®** in the United States, is a QSO Today Virtual Ham Expo Partner. [FlexRadio](#) is the Expo's Platinum Sponsor. Gold Sponsor's are [Elecraft](#) and [RFinder](#).

**Early Bird Tickets are just \$10 and then \$12.50 “at the door”.** Access to only the Exhibitor area is free. And save thousands of dollars since you won't spend on travel, food, and lodging. For more information, go to <https://www.qsotodayhamexpo.com>.



Platinum Sponsor



Gold Sponsors



**RFinder**

# Of Interest to All



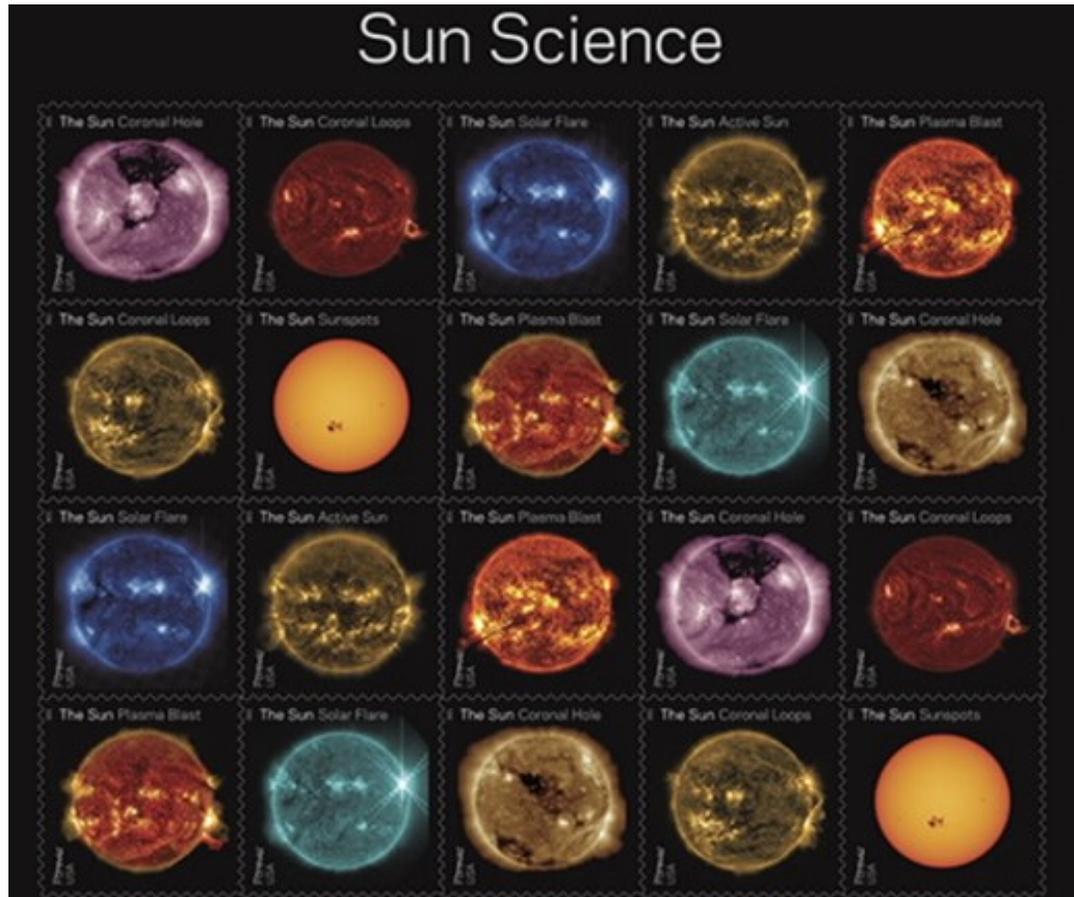
## Five reasons to attend the Ham Expo

Our third and next QSO Today Virtual Ham Expo is scheduled Live from **August 14-15, 2021** and then on-demand for 30 days. We promise a flawless, great learning experience for those seeking to improve their knowledge and to be exposed to new ideas, equipment, and practical techniques – all done in a highly engaging format on the vFairs platform that we used in our first August 2020 Expo. No need to travel - participate from your home or office! Information can be found at <https://www.qsotodayhamexpo.com>. Here are 5 reasons why you must attend:

- **Listen, engage with 80+ internationally recognized ham radio luminaries.** Our speakers are experts with deep knowledge of their presentations. Most importantly, they've worked hard to make sure that you'll understand their material and can apply it immediately to your projects.
- **So, so many different topics - everybody will find something of high value.** There's content for everyone whether you are a newly licensed ham looking for next steps to using that license or a 30+ year experienced ham looking for new projects. Topics include (sample list): Emergency Services; Antennas; HF operation; contesting; DXpeditions; Ham radio on a budget; Satellite communication; VHF and above; Digital Modes; QRP; Homebrewing; Field, Mobile and portable operation; Software Defined Radio; Test equipment and repair; and Youth Presentations!
- **Watch as many presentations as you want!** A big limitation of in-person events is that you can't watch many of the presentations (you can only be in one room at a time). At the Expo, return anytime within 30 days to listen to any Live speakers you missed as well as explore exhibitor offerings. At our last Expo, our 7,500 attendees downloaded 100,000 presentations.
- **Take advantage of our calendar technology to efficiently organize your time.** You'll be able to download speaker times in your local time zone directly to your Google or Outlook calendar. You'll then have a complete schedule of sessions to join to maximize your time during the Live period with speakers that are the most important.
- **Check out our live round table video for attendees to interact with each other and exhibitors.** Already integrated into the Expo platform is proven technology for you to participate in live video lounges to interact with exhibitors and fellow amateur operators. You'll find this is a great way to meet up with friends, talk to vendors, and network on specific subject areas.

# Of Interest to All

**Shining a Light on the New Solar Cycle** - The U.S. Postal Service is highlighting the new sunspot cycle with the release of a set of stamps featuring photos of the sun taken by NASA's Solar Dynamics Observatory



With these stamps, the U.S. Postal Service highlights stunning images of the Sun that celebrate the science behind the ongoing exploration of our nearest star.

The images on these stamps come from NASA's Solar Dynamics Observatory, a spacecraft launched in February 2010 to keep a constant watch on the Sun from geosynchronous orbit above Earth. The striking colors in these images do not represent the actual colors of the Sun as perceived by human eyesight. Instead, each image is colorized by NASA according to different wavelengths that reveal or highlight specific features of the Sun's activity.

One of the stamps highlights sunspots, two feature images of coronal holes, two show coronal loops, two depict plasma blasts, one is a view of an active Sun that emphasizes its magnetic fields, and two show different views of a solar flare.

Heliophysics, the study of the Sun and its influence on the planets and space surrounding them, has important implications for our day-to-day lives. Although the space between the Sun and Earth appears empty to human eyes, it is actually full of particles and energy from the constant flow of solar wind emitted by the Sun. That space is affected by a complex, ever-changing magnetic field that influences our entire solar system. Increased understanding of the Sun helps us better explain and predict its impact not only on Earth's climate but also on the near-Earth space environment and its impact on sensitive human technology, such as communications systems and satellite electronics. As humanity continues to explore space, a deeper knowledge of solar activity will also make it possible to identify and solve problems involved in communications, data collection, spacecraft and satellite design, and the effects of space radiation on the human body.

# Radio Sport

## Contest Corral

## August 2021

Check for updates and a downloadable PDF version online at [www.arrl.org/contest-calendar](http://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	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 1400	1 1700	3.5-14	SARL HF Phone Contest	Ph	RS, serial	<a href="http://www.sarl.org.za">www.sarl.org.za</a>
2 0000	2 0100	1.8-14	K1USN Slow Speed Test	CW	Max 20 WPM, Name, SPC	<a href="http://k1usn.com/sst.html">k1usn.com/sst.html</a>
3 0100	3 0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or Youth)	<a href="http://wwsac.com/rules.html">wwsac.com/rules.html</a>
3 0100	3 0300	3.5-28	AHS Spartan Sprint	CW	HST, SPC, power	<a href="http://arsqrp.blogspot.com">arsqrp.blogspot.com</a>
3 1700	3 1900	3.5-14	RTTYops Weeksprint	Dig	Other's call, your call, serial, name	<a href="http://rttyops.com">rttyops.com</a>
4 0230	4 0300	1.8-21	Phone Weekly Test — Fray	Ph	Name, SPC	<a href="http://perluma.com/Phone_Fray_Contest_Rules.pdf">perluma.com/Phone_Fray_Contest_Rules.pdf</a>
4 1300	4 1400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	<a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>
4 1700	4 2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	<a href="http://ft8activity.eu/index.php/en">ft8activity.eu/index.php/en</a>
4 1900	4 2000	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	<a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>
5 0300	5 0400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	<a href="http://cwops.org/cwops-tests">cwops.org/cwops-tests</a>
5 1700	5 1900	3.5-14	RTTYops Weeksprint	Dig	Other's call, your call, serial, name	<a href="http://rttyops.com">rttyops.com</a>
5 1700	5 2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-character grid square	<a href="http://nricontest.no/index.php">nricontest.no/index.php</a>
5 1900	5 2000	3.5, 7	EACW Meeting	CW	HST, name, mbr or EA province or country	<a href="http://www.eacwspain.es">www.eacwspain.es</a>
5 1900	5 2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
6 0100	6 0230	14	QRP Fox Hunt	CW	RST, SPC, name, power	<a href="http://www.qrpfoxhunt.org">www.qrpfoxhunt.org</a>
6 0145	6 0215	1.8-21	NCCC RTTY Sprint	Dig	Serial, name, QTH	<a href="http://www.ncccsprint.com">www.ncccsprint.com</a>
6 0230	6 0300	1.8-21	NCCC Sprint	CW	Serial, name, QTH	<a href="http://www.ncccsprint.com">www.ncccsprint.com</a>
6 2000	6 2100	1.8-14	K1USN Slow Speed Test	CW	Max 20 WPM, Name, SPC	<a href="http://k1usn.com/sst.html">k1usn.com/sst.html</a>
7 0000	8 2359	3.5-28	Batavia FT8 Contest	Dig	4-char grid square	<a href="http://batavia-ft8.com">batavia-ft8.com</a>
7 0001	8 2359	28	10-10 International Summer Contest, SSB	Ph	Name, mbr or "0," SPC	<a href="http://www.ten-ten.org">www.ten-ten.org</a>
7 1200	7 2359	1.8-28	European HF Championship	CW Ph	RS(T), 2-digit year first licensed	<a href="http://lea.hamradio.si/~scc/ehf">lea.hamradio.si/~scc/ehf</a>
7 1200	8 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
7 1300	7 1330	144	Two-Meter Classic Sprint	CW Ph	Serial, 4-char grid square	<a href="http://twrc.info">twrc.info</a>
7 1600	7 1800	3.5-28	FISTS Saturday Sprint	CW	HST, SPC, name, mbr or "0"	<a href="http://fistsna.org">fistsna.org</a>
7 1800	8 0559	1.8-28	North American QSO Party, CW	CW	Name, state/DC/province/country	<a href="http://www.ncjweb.com">www.ncjweb.com</a>
7 1800	8 1800	222 and up	ARRL 222 MHz and Up Distance Contest	CW Ph Dig	6-char grid square	<a href="http://arrl.org/222-mhz-and-up-distance-contest">arrl.org/222-mhz-and-up-distance-contest</a>
9 0000	9 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	<a href="http://www.4sqrp.com">www.4sqrp.com</a>
11 0030	11 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	<a href="http://naqcc.info">naqcc.info</a>
11 1500	13 1459	144	MMMonVHF-144 MHz Meteorscatter Sprint	CW Ph Dig	Signal report	<a href="http://mmonvhf.de/ctestinfo.php">mmonvhf.de/ctestinfo.php</a>
11 1700	11 2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	<a href="http://ft8activity.eu/index.php/en">ft8activity.eu/index.php/en</a>
14 0000	15 2359	3.5-28	WAE DX Contest, CW	CW	RST, serial	<a href="http://darc.de/der-club/referat/referat-conteste/worked-all-europe-dx-contest/en">darc.de/der-club/referat/referat-conteste/worked-all-europe-dx-contest/en</a>
14 0800	14 1100	1.8-28	QRP ARCI European Sprint	CW	RST, SPC, mbr or power	<a href="http://qrparci.org/contest">qrparci.org/contest</a>
14 1200	14 1300	7	SARL Youth Sprint	Ph	RS, age	<a href="http://www.sarl.org.za">www.sarl.org.za</a>
14 1400	14 2200	3.5-28	Kentucky State Parks on the Air	CW Ph Dig	KY park abbreviation or SPC	<a href="http://k4msu.com/kypta">k4msu.com/kypta</a>
14 1400	15 0400	1.8-432	Maryland-DC QSO Party	CW Ph Dig	Entry class, county or SPC	<a href="http://w3vpr.org/mdcqsop">w3vpr.org/mdcqsop</a>
14 2300	15 0300	50	50 MHz Fall Sprint	CW Ph Dig	4-char grid square	<a href="http://svhfs.org">svhfs.org</a>
15 1400	15 1700	3.5-14	SARL HF Digital Contest	Dig	RST, serial	<a href="http://www.sarl.org.za">www.sarl.org.za</a>
15 1700	15 2100	3.5-28	NJQRP Skeeter Hunt	CW Ph	RS(T), SPC, skeeter # or power	<a href="http://www.qsl.net/w2lj">www.qsl.net/w2lj</a>
15 2100	15 2300	3.5-28	FISTS Sunday Sprint	CW	RST, SPC, name, mbr or "0"	<a href="http://fistsna.org">fistsna.org</a>
15 2300	16 0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	<a href="http://qrcontest.com/pigrun">qrcontest.com/pigrun</a>
21 0000	22 1600	3.5-28	SARTG WW RTTY Contest	Dig	RST, serial	<a href="http://www.sartg.com">www.sartg.com</a>
21 0600	22 2359	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char grid locator	<a href="http://www.arrl.org/10-ghz-up">www.arrl.org/10-ghz-up</a>
21 0800	22 0800	1.8-28	Russian District Award Contest	CW Ph	RS(T), RU district code or serial	<a href="http://rdaward.org/rdac1.htm">rdaward.org/rdac1.htm</a>
21 1200	22 1200	1.8-50	Keyman's Club of Japan Contest	CW	RST, JA prefecture code or CQ zone	<a href="http://kcj-cw.com/e_index.htm">kcj-cw.com/e_index.htm</a>
21 1600	21 1759	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	<a href="http://sites.google.com/site/feldhellclub">sites.google.com/site/feldhellclub</a>
21 1800	22 0559	1.8-28	North American QSO Party, SSB	Ph	Name, state/DC/province/country	<a href="http://www.ncjweb.com">www.ncjweb.com</a>
22 1800	22 2359	3.5-28	ARRL Rookie Roundup, RTTY	Dig	Name, 2-digit year first licensed, SPC or XE province	<a href="http://arrl.org/rookie-roundup">arrl.org/rookie-roundup</a>
25 0000	25 0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
28 0400	30 0400	1.8-28	Hawaii QSO Party	CW Ph Dig	RS(T) HI district or SPC	<a href="http://hawaiiqsoparty.org">hawaiiqsoparty.org</a>
28 0600	29 0559	3.5-28	ALARA Contest	CW Ph	RS(T), serial, mbr, name, YL or OM	<a href="http://alara.org.au/contests">alara.org.au/contests</a>
28 1200	29 0300	1.8-50	WVE Islands QSO Party	CW Ph Dig	RS(T), US/CISA Island Designation or SPC	<a href="http://usislands.org/qso-party-rules">usislands.org/qso-party-rules</a>
28 1200	29 1200	1.8-28	YO DX HF Contest	CW Ph	RS(T), YO county or serial	<a href="http://www.yodx.ro/en">www.yodx.ro/en</a>
28 1200	29 1200	1.8-28	World Wide Digi DX Contest	Dig	4-char grid square	<a href="http://ww-digi.com">ww-digi.com</a>
28 1400	29 2000	3.5-50	Kansas QSO Party	CW Ph Dig	RS(T), KS county or SPC	<a href="http://kqsqsoparty.org">kqsqsoparty.org</a>
28 1600	29 0400	1.8-28	Ohio QSO Party	CW Ph	RS(T), OH county or SPC	<a href="http://www.ohqp.org">www.ohqp.org</a>
29 1400	29 1700	3.5-14	SARL HF CW Contest	CW	RST, serial	<a href="http://www.sarl.org.za">www.sarl.org.za</a>

There are a number of weekly contests not included in the table above. For more info, visit: [www.qrpfoxhunt.org](http://www.qrpfoxhunt.org), [www.ncccsprint.com](http://www.ncccsprint.com), and [www.cwops.org](http://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](http://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.