

THE eQRM

FEBRUARY 2024



The BVARA in Beaver County Pennsylvania



Beaver Valley Amateur Radio Association

W3SGJ

2M Repeater

145.310

PL 131.8



On the Cover: I have been content with the mild winter we have experienced.... SO FAR. I am a little concerned about the coming month. What do you think? Will we feel Old Man Winter show up with an exhausting punishment of cold and snow? Or will it be we just quietly tip toe right on though to a nice Spring?

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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

2024 BVARA OFFICERS

President: Jack Spencer, KZ3Z

Vice President: Dan Grazulis, KB3VSP

2nd Vice Pres.: Doug Lawrence, K3GTX

Treasurer: Pam Spencer, W3PMS

Secretary: Tom Stoops N3XC

Director: Tony Pavilonis, K3AHP

Director: Jim Allen, KC3IXE

Trustee: Doug Hanna, N4YKQ



MONTHLY MEETINGS

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

VE testing begins at 5:00 PM.

Regular meetings are at 6:30 PM

All meetings are held at the
Beaver County Emergency Services
Center (A.K.A. The 911 Center)
351 14th Street
Ambridge, PA 15003
on the second Thursday of every month
(unless otherwise stated).

2024

Feb 08

Mar 14

Apr 11

May 09

Jun 13

Jul 11

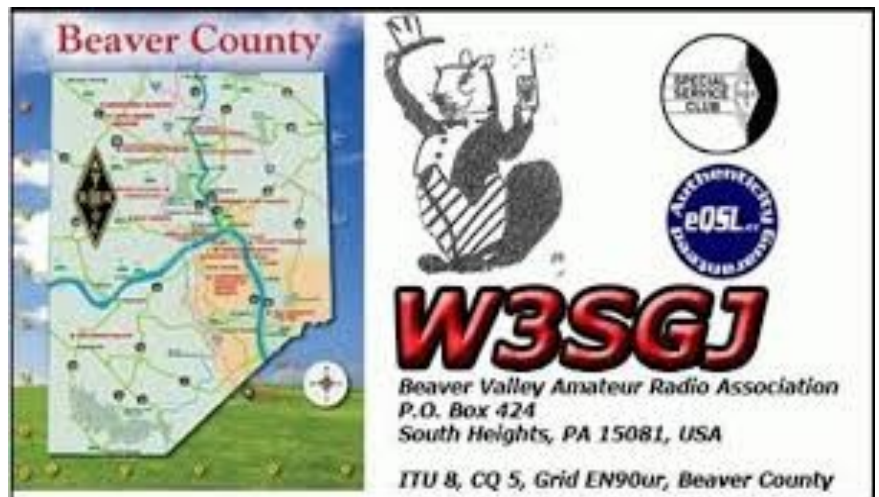
Aug Club Corn Roast

Sep 12

Oct 10

Nov 14

Dec Club Christmas Party



This Month

Special Roundtable Session:

Speakers: BVARA Club Members and You

Topic: Roundtable Help with Questions from You

(Part 2 of Wolf River Coil – Weather Delay)

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 . . .

Since our initial roundtable discussion in November 2019, some changes have been planned in our roundtable format that will enable you to more easily seek the answers to questions you have about ham radio and operating a station. After our monthly club meeting, our next 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. Perhaps your question involves unique HF, VHF, or UHF operating or perhaps some of the newer digital modes. Your question could help others with the same issues!

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 Soltesz - K3SOM
Extra Class Ham
BVARA VE Liaison

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!



BREAKFAST

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.



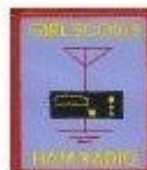
See you

RACES / ARES

The eQRM Urges All County Hams to Participate.

The eQRM urges all Beaver County licensed amateurs to participate in the County's RACES and ARES programs.

Any Beaver County Amateur that is interested in participating in the RACES/ARES programs can do so by checking into the Beaver County Public Service Net which meets every Monday evening at 8:30 PM local time on the WW3AAA 146.850 MHz repeater (131.8 PL)



Get your License or Upgrade

If you are interested in getting your first FCC license or upgrading your current amateur radio license, the Beaver Valley Amateur Radio Association holds VE Test sessions (Volunteer Examinations) the second Thursday of each month at the Beaver County Emergency Services Center in Ambridge Pennsylvania prior to our BVARA Club meeting. If there is no meeting there is no test session. Please come take your test with us!

For more information, contact :
Rich Soltesz, K3SOM
(724) 847-0610
k3som@arrl.net



VE TEST SESSIONS

Beaver County Emergency Services Center 351 14th Street Ambridge, PA 15003.
Tests begin promptly at 5 pm on the same day as BVARA Club Meetings
(the second Thursday of the month).
All classes of amateur radio license tests are administered.



ALL candidates MUST bring ALL of the following:

1. 2 forms of I.D. - one MUST be a photo I.D.
2. A pencil AND a pen with blue or black ink.
3. The original AND a photocopy of any valid ham license.
4. The original AND a photocopy of any C.S.C.E.
5. The test fee of \$15 - cash only.
6. Your FRN Number. (free from the FCC, call for details)



New License and Upgrades

BVARA VE Testing

Testing this Month :

January 2024 VE Test Session Results



Our January VE Test Session had two candidates, one with his achievement of obtaining both his Technician license and upgrading that to General. Our electronic filing system once again worked superbly.

Our testing was conducted at our normal location at the Beaver County Emergency Services Center in Ambridge, PA. Our next VE Test Session will be on November 9th, 2023.

Congratulations to:

Spencer Greenholt, KC3YHD, General, Oakdale, PA

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,
Ron Victorelli – KC3TZT,
Bob Winkle – N3AZZ, and
Frank Witkowski – W3FJW



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



WASHfest 2024

*The South Hills Hamfest — Now in our **TWENTY EIGHTH** big year!*
Sponsored by the WIRELESS ASSOCIATION OF SOUTH HILLS AMATEUR RADIO CLUB, INC.

Sunday, February 25th, 2024

8:00 AM until 3:00 PM Rain or Shine (or Snow!)

Home Economics Building, South Park

3735 Buffalo Drive, South Park Township, PA 15129

Behind the Allegheny County Police Station on Brownsville Road

Talk-In on 146.955(-) and 443.650(+) 131.8 PL

Donation \$5



(800) 545-8881

Breakfast & Lunch will be available!



FREE Coffee for the entire Hamfest
courtesy of HAM RADIO INSURANCE ASSOCIATES
of Canonsburg, PA

MAIN PRIZES

First Prize: To Be Determined

Second Prize: To Be Determined

Third Prize: To Be Determined

Additional Hourly Door Prizes! 2 Special Black Box Prizes (Separate Drawing)!

Main Prize tickets are \$2.00 each, 3 for \$5.00, 7 for \$10, 15 for \$20, 40 for \$50, 90 for \$100

All Prizes Subject to last-minute changes

For Table Reservations, or More Information, Please Contact:

Ron Telek W3LE at (412) 831-4886 w3le@comcast.net

E-mail us directly at washarc@yahoo.com Check out our website too! www.n3sh.org

Please Note: Early Table Reservations must be paid in full on or before January 31st, 2024.

Reservations received after February 1st, 2024 must include payment in full.

Reserve now... we have sold out in advance thirteen years running!

Hamfests & General Announcements



WEARSfest 2024

Westmoreland Emergency Amateur Radio Service, Inc.

Formerly the Foothills Amateur Radio Club and the Chestnut Ridge Amateur Radio Club

Greensburg, Pennsylvania

Saturday, March 9, 2024, 8:00AM to 1:00PM

Greensburg Masonic Center, 349 Donohoe Road, Greensburg

GPS Coordinates: N40°18'49.94" W79°29'22.82"

Talk-in on: 147.180, +.600, PL131.8

Visit the club's website for latest information: www.wc3ps.org

MAIN PRIZES

First Prize: Xiegu G90 HF 20W SDR Transceiver

Second Prize: Radioddity DB25-D Mini DMR Mobile Radio

Third Prize: Quansheng UV-K5 Walkie Talkie

Main Prize Tickets: \$5:00 each

Bulk Ticket Pricing: 3 for \$10, 7 for \$20, 15 for \$40, 35 for \$75, 75 for \$100

Door Admission Tickets: \$5.00 each

Door Admission Ticket includes: Chances to Win Door Prizes

Hamfest Table Reservation Form – Please Print Clearly

Name: _____ Email: _____

Address: _____

City: _____ State: ____ Zip: _____

Phone: (____) ____-____ Call Sign: _____

Make checks payable to:

WEARS

P.O. Box 1084

Latrobe, PA 15650

Tables w/o Electricity: ____ X \$10 = ____

Indoor table space is limited.

Tables w/ Electricity: ____ X \$15 = ____

First come first served.

Tailgating \$5, weather permitting.

FOR TABLE RESERVATIONS, TICKET SALES AND MORE INFORMATION, PLEASE CONTACT:

Abe (N3BAH), 412-357-0076 or Sam (KE3PO), 724-689-2096

email: wc3ps@comcast.net

Of Interest to All

Winter Field Day 2024 – BVARA Results



On January 27th and 28th, the BVARA participated in an EMCOM exercise called Winter Field Day (WFD). The Association sponsoring the event states that: “WFD is a learning experience, and we hope at the end of this year’s WFD exercise, you will feel more confident about your ability to adapt and overcome adverse weather conditions.”

As Jim, KC3IXE and I were installing our temporary 40-meter dipole prior to the event, Murphy’s Law struck. The antenna had been raised up 50 feet on one end and the other end was attached to a rope that had been strung over a tall tree in the woods about 100 feet away. A measurement of the SWR on the first length of coax gave us the expected minimum reading at about 7.20 MHz, as planned. But as we connected the final length of coax to that 1st length and then guided the coax all the way inside along an out-of-the-way path to the radio, we re-measured the SWR. To our surprise, the SWR was now completely unacceptable. We had a spare length of coax that we could not quite so quickly exchange with the bad length and resolved the problem, but we finished the swap before WFD began. In an emergency situation, we were prepared with contingencies for such situations. Such regular simulations of emergencies had served us well.

Our three SDR transceivers were each connected to a PC with the latest version of the N3FJP Field Day software. These PCs were wirelessly connected in an internal network configuration with the master database installed on one of the PCs. All three station operators had acquired good familiarity with both the software and the network interface. All equipment including transceivers, network, and antennas operated without any problems.

Band conditions were very good. Very good propagation and low atmospheric noise made signals appear to pop out above the background. As the power limit was set at 100 watts by the rules of WFD, location and antenna played a larger role in busting pileups and making the contact. Bands opened earlier and stayed open longer providing improved conditions for finding missed ARRL Sections.

Of Interest to All

Total Contacts by Band and Mode

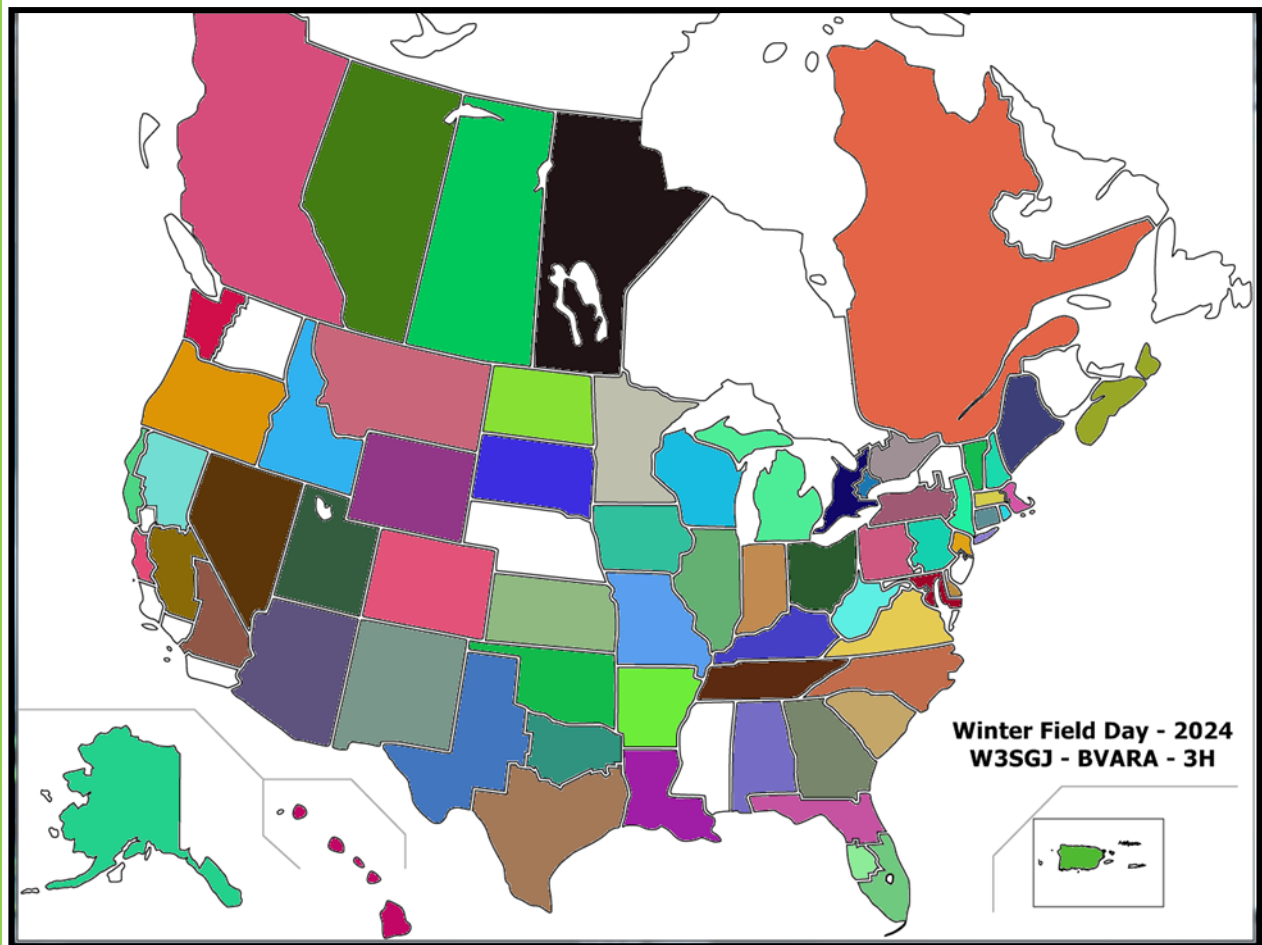
Band	CW	Phone	Dig	Total	%
80	0	38	0	38	11
40	0	119	0	119	35
20	0	117	0	117	35
15	0	43	0	43	13
10	0	22	0	22	6
Total	0	339	0	339	100

Active Bands

Name	Callsign	Bands
Jim	KC3IXE	10, 40
Tom	N3XC	15
Rich	K3SOM	10, 20, 80

Shown above on the top are the total contacts that were made on each band by mode. The table just below that, shows the bands used by each participating BVARA member. By using a Triplexer, two of the operators were able to use the Yagi antenna at the same time. A total of 70 percent of all contacts were made on 20 and 40 meters. Operators began operation on 40, 20, and 15 meters when WFD started at 2:00 pm local time. 40 meters remained open to well after 11:30 pm on Saturday. Operators switched to 80 meters when significant duplicate stations were encountered after the Sun had set. On Sunday morning, operators began on 40, 20, and 15 meters. When duplicate stations were encountered on 40 and 20 meters, 10 and 15 meters were activated by the BVARA team.

Of Interest to All



Shown above is the Map of Sections from the N3FJP WFD software program that illustrates, by being filled with a color, the ARRL Sections that were contacted by the BVARA WFD team. This map illustrates how well we were able to make contacts. Classic missing sections included Northern New York, Nebraska, and Eastern Washington State. Ontario Province was subdivided several years ago to better represent the population density around Toronto. The majority of the white area of Ontario has a very low population density, by comparison. In spite of this, Alaska, Hawaii, Puerto Rico, and 10 DX countries were easily worked because of the very good propagation.

A very satisfying feeling of accomplishment was achieved by the three operators. Clearly, there was room to easily accommodate three more operators with our setup. Quite easily, a fourth transceiver could have been left on the Yagi Triplexer with no other changes required.

Rich, K3SOM

Of Interest to All



Jim, KC3IXE enjoying operating an ICOM-7300 on mostly 40 meters with some additional time on 10 meters. Jim was very effective with the temporary dipole that we hoisted high into the air.

Tom, N3XC enjoying good band openings with his ICOM-7300 on 15 meters. He used the Skyhawk 10-element, no traps Yagi to snag some weak, but needed sections.



Of Interest to All



Rich, K3SOM using a Flex Radio 6700 enjoying many contacts on mostly 20 meters with additional time on 10 and 80 meters. In addition to the Yagi, a Doublet antenna 140 feet in length that utilized an open-wire transmission line directly into a Palstar BT-1500A balanced antenna tuner was set up for a very quiet 80 meters to add those contacts to our total.

Of Interest to All

Rabid Raccoon 100 Ultra Ham Radio Volunteers Are Needed

This March 16 & 17 marks the 3rd annual Rabid Raccoon Race where ham radio operators help over **300 runners** and spectators run over 100 miles. Last year they had 50 some people run 100 miles around 356 runner did the 100 kilometers run and the largest group the marathon race.

There are some major changes this year: First, the race has moved to a new park it is now in the Brady Run Park which is an Beaver county park just north of Beaver Falls. The park looks a lot like Raccoon SP with hills and a lake. The Second major change is all the Aid Stations are in buildings this year. So no more tents next to a road with coal trucks zooming by.

There are 3 aid stations that you can pick from:

Aid Station #1: Brady Lodge

Aid Station #2 & #3: Four Season Lodge

Aid Station 4: Recreation Hall {Ice Skating Rink & Tennis Court} This is also the Start Finish line.

Since this is an 36 hour long event there are four shifts that you can pick from. You will notice that there even an over night shift the runners run though the night and you will be busy since they will be starting a half marathon at mid-night.

3:30 AM-1:00 PM // 1:00 PM-10:00 PM // 10:00 PM-7:00 AM // 7:00 AM-4:00 PM

You can find more information about the race on the sign up website listed below. Look over the open slots and pick one and just email me your choice and T-Shirt size to n3lrg@w3kwh.com. I will then add you to the list and get you on the email list for more detail information as we get closer to March 16 & 17.

Your duties will be just radio communications. Handle the aid station traffic, runner drop outs, restocking needs. The aid stations will have cooks that will feed you and there will be plenty of snacks to feed on. Plus the world famous pickle juice. {Don't worry there others thing to drink, but the runner love it!}

So please check out this link for more information:

w3kwh.net/Rabid

Christine Rial

Oakdale, PA



Of Interest to All

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 thought this may be interesting to some of the Club members. I have met some of you that find staring at the Heavens fascinating.



Astronomical weekends in February will revolve around moon.

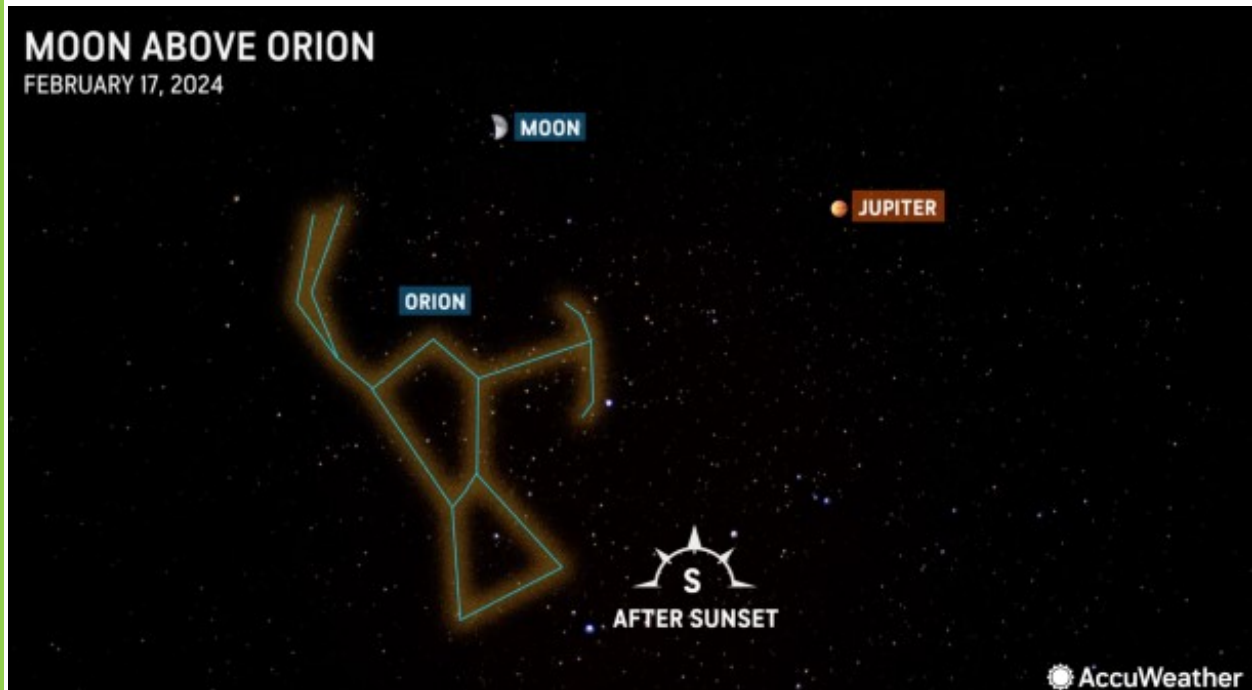


Weekend stargazers will get their fill in February as three of the four weekends throughout the month will feature an astronomical event, all of which revolve around the moon. There will also be an additional night for enjoying the night sky this February since it is a leap year, meaning there will be 29 days and nights rather than the typical 28 during the second month of the year. No events in Feb-

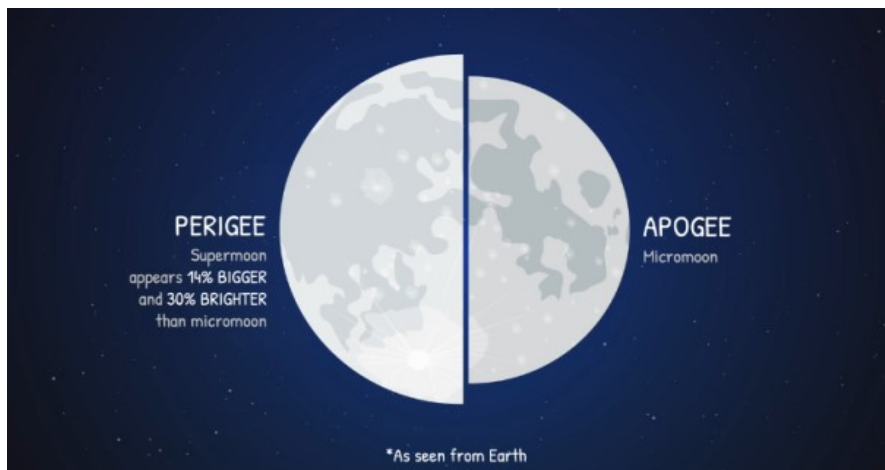
bruary require a telescope, but there will be good opportunities for folks to get a closer look with the help of a telescope. This includes people who may have received a new telescope during the holiday season but have yet to point it to the heavens. From the antithesis of a supermoon to a tight-knit bunch of objects around a famous constellation, here are the three events you will not want to miss in February's night sky: The second weekend of February will be the best time of the month for stargazing, not because of a meteor shower or a planetary alignment, but due to the absence of the moon. On Feb. 9, the moon will reach its new phase, a time when it is not visible at night, making the night sky appear darker than other times of the month. While the new moon is a monthly occurrence, February's wintry weather will help to give the stars an extra sparkle. The amount of moisture in the atmosphere during the winter is lower compared to muggy summer nights. As a result, the stars during the winter months appear to twinkle more than they do any other time of the year. However, the drawback is that a teeth-chattering chill often accompanies cloud-free nights during the winter, so sky watchers will need to bundle up before heading outside to soak in the sights of the cosmos. A trio of celestial sights will gather in the sky during the third weekend of February, an event that will be easy for people of all ages to see -- as long as clouds do not spoil the show.

Of Interest to All

After sunset on Feb. 17, the moon will appear above the constellation Orion in the southern sky. Jupiter will also be glowing in the same area of the sky to the right of the moon.



If cloudy weather prevails on Feb. 17, there will be additional opportunities to see the astronomical grouping on Feb. 18 and 19, although the moon will appear farther and farther away from Orion and Jupiter with each passing night. Super moons have become viral sensations in recent years, but their smaller counterpart will glow in the sky near the end of the month. As the moon orbits the Earth, there are times when it is closer to the planet, called perigee, and times when it is slightly farther away, known as apogee. February's full moon will coincide with the time when it is farther away from the planet, resulting in a "micromoon," which will appear about 14% smaller and 30% dimmer than a supermoon.



By Brian Lada,
[Accuweather.com](https://www.accuweather.com)

February's full moon also has various nicknames, including the Snow Moon, the Bald Eagle Moon, the Bear Moon, the Hungry Moon and the Goose Moon.

Submitted by KC3BXC David

Of Interest to All

BVARA



February 2024

ARRL CW DX International Contest, February 17th – 18th

North American QSO Party, RTTY February 24th – 25th

South Hills Hamfest February 25th

March

ARRL Phone DX International Contest, March 2nd – 3rd

POTA, POTA

April

TRARC 52nd Hamfest/Computer Show, April 7th, Elizabeth

WEARS-fest 2024, March 9th, Greensburg

Rabid Raccoon Race, Bradys Run Park, March 16th – 17th

POTA, POTA

May

Dayton Hamvention, ARRL National Convention, May 17th – 19th, Xenia, OH

POTA, POTA

Bits and Pieces

Hello everyone,

I want to thank everyone who prayed for me to feel better. It was terrible being sick for so long. Thanks to praying friends, I am feeling fine now.

There will be a Hamfest this month! I think I will be going. I have a couple of things that have to happen before I can plan to go. I hope you get to attend and have a wonderful time. Hamfests come in right after Summer Field day as my favorite radio things to-do, listening then talking are my most favorite. How do your favorites list in order? I forgot about antenna building, Club activities like antenna parties & get-togethers like regular club meetings and setting up new station equipment...there sure is a lot of fun I forgot about. I invite you to come have fun with us too! Feeling better sure has gotten me fired up about our radio club activities and radio stuff in general! I hope some of my excitement rubs off on you.



The results of the Winter Field Day are here for our Club. Good job! I wish I had been feeling better so I could have contributed too. I know it is always a good time of radio, good food and great friendship. You all most likely know how much I look forward to Summer Field Day. I am like a child at Christmas. It is something I will never outgrow. I get all worked up when we start organizing about who will be doing this, who will be getting that, who will bring this and what kind of stations we will be setting up.... I get excited just talking about it! Okay I am sufficiently enthusiastic let's get going. Oh, it's not time for field day yet. Well, Okay, then let's hurry and get ready for the next Club activity!

Till next month, happy radioing and be safe in your hobby activities.



Clear on your final, but I will be monitoring.

73 KC3BXC



Radio Sport

Contest Corral

February 2024

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	2							
1	0000	2	0300	7	Walk for the Bacon QRP Contest	CW	Max. 13 WPM; RST, SPC, name, mbr or pwr	qrpcontest.com/pigwalk40
1	1800	1	2200	28	NRAU 10m Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrau.net/nrau-contests-in-general
1	2000	1	2200	1.8-28,50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
3	0000	4	2359	1.8-28, VHF/UHF	Vermont QSO Party	CW Ph Dig	RS(T), VT county or SPC	www.ranv.org/vtqso.html
3	0001	4	2359	28	10-10 Int'l Winter Contest, SSB	Ph	Name, mbr or "0," SPC	www.ten-ten.org
3	1200	4	1200	1.8-28	European Union DX Contest	CW Ph	RS(T), EU union region or ITU zone	www.eudx-contest.com
3	1200	4	1200	3.5-28,144	F9AA Cup, CW	CW	RST, serial	www.site.urc.asso.fr
3	1200	4	2359	3.5-28	Mexico RTTY International Contest	RTTY only	RST, XE state or serial	rtty.fmre.mx
3	1400	3	2359	1.8-28	Minnesota QSO Party	CW Ph Dig	Name, MN county or SPC	www.w0aa.org/mnqp-rules
3	1400	3	2359	1.8-28	FYBO Winter QRP Sprint	CW Ph Dig	RS(T), SPC, name, power, temperature	azscqrptions.org
3	1600	3	1900	3.5	AGCW Straight Key Party	CW	RST, serial, class, name, age	www.agcw.de
3	1600	4	2359	1.8-28	British Columbia QSO Party	CW Ph	RS(T), BC district or SPC	www.orcadxc.org
4	0000	4	0359	3.5-14	North American Sprint, CW	CW	Other's call, your call, serial, name, SPC	ncjweb.com
5	2000	5	2130	3.5	RSGB 80m Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org
6	0200	6	0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
7	2000	7	2100	3.5	UKEICC 80m Contest	Ph	6-char grid square	www.ukelcc.com
7	2300	11	2300	1.8-14	AWA Linc Cundall Memorial CW Contest	CW	RST, eqpt. year, input power	www.antiquewireless.org
10	0000	11	2359	3.5-28	CQ WW RTTY WPX Contest	Dig	RST, serial	www.cqwxprtty.com
10	1100	10	1300	7,14	Asia-Pacific Spring Sprint, CW	CW	RST, serial	jsfc.org/apsprint/aprule.txt
10	1200	11	1200	1.8	KCJ Topband Contest	CW	RST, JA prefecture or district code	www.kcj-cw.com
10	1200	11	1200	1.8-28	Dutch PACC Contest	CW Ph	RS(T), PA province or serial	pacc.veron.nl
10	1200	11	2359	1.8-28,50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
10	1500	11	1500	1.8-28	OMISS QSO Party	Ph	RS, SPC, mbr (if any)	www.omiss.net
10	1900	10	2300	1.8	RSGB 1.8 MHz Contest	CW	RST, serial, UK district code (if UK)	www.rsgbcc.org
11	1300	11	1700	3.5,7	Balkan HF Contest	CW Ph	RS(T), serial	arabih.ba
12	0100	12	0300	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
12	1300	16	2359	All, except WARC	ARRL School Club Roundup	CW Ph Dig	RS(T), class (I/C/S), SPC	www.arrl.org/school-club-roundup
14	0000	14	2359	1.8-7	PODXS 070 Club Valentine Sprint	Dig	Name, OM or YL, SPC	www.podxs070.com
14	0130	14	0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or pwr	naqcc.info
14	1900	14	2000	3.5	DARC FT4 Contest	FT4	RST, 4-char grid square	www.darc.de
14	2000	14	2130	3.5	RSGB 80m Club Championship, Data	Dig	RST, serial	www.rsgbcc.org
15	0000	16	0300	14	Walk for the Bacon QRP Contest	CW	Max. 13 WPM; RST, SPC, name, mbr or pwr	qrpcontest.com/pigwalk20
15	1900	15	2000	3.5-14	NTC QSO Party	CW	Max. 25 WPM; RST, mbr or "NM"	pi4ntc.nl/ntcqp
17	0000	18	2359	1.8-28	ARRL International DX Contest, CW	CW	RST, SP or power	www.arrl.org/arrl-dx
17	0000	18	2359	All, except WARC	YLRL YL-OM Contest	CW Ph Dig	Serial, RS(T), SPC	ylrl.org/wp/yl-om-contest
17	1200	18	1159	1.8-28	Russian PSK WW Contest	Dig	RST, 2-letter oblast or serial	www.rdrclub.ru
18	2300	19	0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
21	1900	21	2030	3.5	AGCW Semi-Automatic Key Evening	CW	RST, serial, 2-digit year first used a bug	www.agcw.de
22	2000	22	2130	3.5	RSGB 80m Club Championship, CW	CW	RST, serial	www.rsgbcc.org
23	2200	25	2200	1.8	CQ 160m Contest, SSB	Ph	RS, SP or CQ zone	www.cq160.com/rules.htm
24	0600	25	1800	3.5-28	REF Contest, SSB	Ph	RS, French department or serial	concours.r-e-f.org
24	1300	25	1300	3.5-28	UBA DX Contest, CW	CW	RST, ON section or serial	www.uba.be
24	1500	25	0159	1.8-28,50	South Carolina QSO Party	CW Ph Dig	RS(T), SC county or SPC	scqso.com
24	1800	25	0559	3.5-28	North American QSO Party, RTTY	Dig	Name, SPC+DC	www.ncjweb.com
24	1800	25	0559	3.5-28	NA Collegiate Championship, RTTY	Dig	Name, SPC+DC	www.w9smc.com/nacc
25	1400	25	1700	3.5-28	High Speed Club CW Contest	CW	RST, mbr or "NM"	www.highspeedclub.org
25	1500	26	0100	3.5-28, 50,144	North Carolina QSO Party	CW Ph Dig	NC county or SPC	ncqsoparty.org/rules
26	2000	26	2130	3.5-28	RSGB FT4 Contest	FT4	Signal report	www.rsgbcc.org
28	0000	28	0200	1.8-28,50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
28	2000	28	2100	3.5	UKEICC 80m Contest	CW	6-char grid square	www.ukelcc.com