



MARC Beacon

Volume 12, Issue 2

The Morongo Basin Amateur Radio Club Newsletter

FEBRUARY 2023

Hello radio operators. Field Day is held on the last weekend of June. Winter Field Day is held on the last weekend of January. As a club, we advertise, support, and host the summer field day every year, and I am wondering if we should do the same for winter field day. Contact me and let me know your thoughts.

I would like to conduct a paperless Amateur Radio License In-Person Exam Session at least twice a year, where candidates/examinees physically show up at a facility, like the Yucca Mesa Community Center, and complete their exam on a laptop computer. If you or anyone you know wants to take an exam during Field Day at the end of June, then please contact me.

We have a lot of talent, knowledge, experience and skills within the club. Members should advertise their skills so that members can seek advice and assistance. Please advertise your skills to the rest of the club within this news letter, or voice it during one of the nets. I have experience making simple UHF, VHF, and HF antennas. I like programming microcontrollers like Arduino and ESP32 development boards. I also experiment with solar power, and I have recently been installing the Linux Mint Operating System on old Microsoft Windows laptops.

Judy and I will be out of town for most of February and will not be at the February MARC meeting. Vice President Keith N6GKB will be in charge. However, during the March MARC meeting, we will setup an HF station in the parking lot to demonstrate how easy it is to make long distance contacts with a radio, battery, and a homemade antenna.

Please schedule time to check in on the 7 PM Tuesday net, and if you can, please join us on the "Cawfee Tawk" net everyday from 1000 to 1100 AM.

Take care of yourself and enjoy each day. If you're not having fun, then you're doing something wrong.

Nets

Amateur Radio Emergency Service (ARES)
Mon @ 1915
Morongo Basin Amateur Radio Club (MARC)
Tue @ 1900
MARC Daily informal Kawfee Talk
1000-1100 DAILY

Social Media,

Club web page: <http://www.w6ba.net>
Facebook:
<https://www.facebook.com/MorongoBasinAmateurRadioClub>

Club Meeting

Every 3rd Thursday of the month at 6 PM. At the church of the Nazarene in Yucca Valley at 56248 Buena Vista Dr

Linked Repeaters

Yucca Valley, W6BA

146.790 MHz (- shift = 146.190 MHz) 136.5 Hz PL/CTCSS

Twentynine Palms, W6BA

147.060 MHz (+ shift = 147.660 MHz) 136.5 Hz PL/CTCSS

Landers, WB6CDF

447.580 MHz (- shift = 442.580 MHz) 173.8 Hz PL/CTCSS

OTHER AREA REPEATERS

IRLP Node KD6DIQ 145.770 pl 67.0

San Jacinto TRAM one 145.480 (-) pl 107.2

Snow Peak 445.160 (-) pl 67.0

ALLSTAR NODE on the mesa 147.705 pl 146.2

ALLSTAR NODE in Y.V. 446.120 pl 131.8



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WO4ROB

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OUR CLUB MEETING!!!!

IN THE MONTH OF APRIL, OUR LOCAL CLUB MEETING WILL BE :

6:00 P.M. FEB. 16 TH

**At Church of the Nazarene in
Yucca Valley at
56248 Buena Vista Dr.**

KEN HENDRICKSON, W6BZY



Some helpful you tube videos from Ken W6BZY about Linux and raspberry Pi.



Search **W6BZY** on YouTube.

NEW CLUB FACEBOOK GROUP FOR THE MARC CLUB

I have created a Facebook "Group" for the Club. We currently have a FB "Page" which only allows Admins and Moderators to post directly on the Posts section.

Here is the link to the new "Group" - so if you are on Facebook, please click on this link and LIKE our new Group.

<https://www.facebook.com/groups/577155023327981>

The new Group will be must more user friendly. Feedback is most welcome. Thanks, Judy, N6JLL

THANK YOU JUDY N6JLL

Membership Dues

We are doing our club dues round up at the beginning of the year.

If you're not sure if your dues are up to date, please check with Glenn N6GIW and he can let you know if they are due or when they are due.

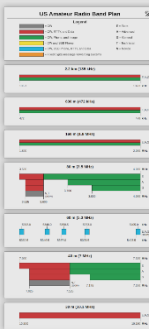
Not everyone is due at the same time of the year

US Amateur Radio Band Chart

<http://ham.band>

- Easy to remember link
- Easy to use on desktop or mobile
- Light-mode/Dark-mode switchable
- Familiar layout

Send feature requests to Aaron@KM6IAU.net





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Missouri S&T Amateur Radio Club to Celebrate 100 Years

The [Missouri S&T Amateur Radio Club](#), W0EEE, at Missouri University of Science and Technology (Missouri S&T), is gearing up for an early celebration of their 100 years. Club President Morgan Lyons, KI5SXY, said the station first went on the air in 1923 as the M.S.M Radio Club, broadcasting basketball games from the Jackling Gym on the grounds of the Missouri School of Mines and Metallurgy (MSM).

"The FCC was not around in 1923, but we believe the original M.S.M Radio club used the call sign W9DUM," said Lyons. Then, between September 1937 and March 1938, W9EEE had been assigned to the M.S.M. Radio Club, and in September 1947, the M.S.M Radio club was assigned the call sign W0EEE and changed its name to the Missouri S&T Amateur Radio Club.



The club now has 20 active members and over 300 alumni that regularly visit to help support club activities.



Missouri S&T Amateur Radio Club members operate from their shack. Photo courtesy of Missouri S&T Amateur Radio Club.

The official date for the celebration in April has not been selected, but there will be an open house and tour of the club's radio shack, and a special event station.

The Missouri S&T Amateur Radio Club is an ARRL Affiliated Club. Students from the club regularly participate in the ARRL

Yaesu Radios Donated to ARRL to Inspire Visitors and Young Hams

There are two new [Yaesu](#) transceivers in use at [ARRL](#) Headquarters in Newington, Connecticut. They arrived via a generous donation from Yaesu USA.

The company has donated an FTDX101MP and FTDX10, both HF/50 MHz transceivers. In arranging the donation, Yaesu Vice President, Sales and Credit Gary Doshay, KN6APR, urged that the radios be used by ARRL "to educate and assist your visitors and especially young enthusiasts for ham radio."



The Yaesu FTDX101MP transceiver is a welcome addition to Studio 1 in W1AW, the Hiram Percy Maxim Memorial Station.

"We appreciate the value that having this equipment available for members and visitors to see and explore will provide," said ARRL Director of Operations Bob Naumann, W5OV. "These are two of the top three performing transceivers on the Sherwood list," he added.

The FTDX101MP was named for Yaesu Founder Sako Hasegawa, JA1MP. The model holds a place of honor, in service in the first operating studio of the Hiram Percy Maxim



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Memorial Station, W1AW. ARRL members and visitors come year-round to tour the station and operate the equipment, most of which has been donated by generous manufacturers over the years. "The radio is already receiving a lot of attention from visitors," said W1AW Station Manager Joe Carcia, NJ1Q. "Some of our recent guests have included students and scouting groups who have enjoyed trying the new radio -- adding to the overall 'wow' factor of the station. We're grateful to Yaesu for this new addition to W1AW."

The FTDX10 has been installed in the new ARRL Radio Lab, W1HQ, where it will contribute to the station's



ARRL Director of Operations Bob Naumann, W5OV, explores the features of the Yaesu FTDX10. The radio is the new addition to the ARRL Radio Lab, W1HQ.

ongoing role in the development of innovative amateur radio station design and function. "The Radio Lab is an extension of ARRL's equipment testing program, which supports ['Product Review' in] *QST* magazine," said Naumann. "Putting the latest in modern radio technology through its paces is the intent of the Lab. It represents what is possible if the modern ham were to go with cutting-edge technology and integration. The Yaesu FTDX10 fits perfectly in that environment."

Naumann says the ARRL stations will benefit significantly from the donations of Yaesu's highly capable rigs. "It demonstrates the important partnership ARRL has with amateur radio manufacturers to educate and inspire our community."

Mobile App Available to Navigate 2023 Orlando



HamCation

Orlando HamCation® is February 10 - 12, 2023, and hosts the ARRL Southeastern Division Convention. In partnership with HamCation, ARRL's free mobile app is available to help attendees navigate the large event, which is held at the Central Florida Fairgrounds and Expo Park.

The free ARRL Events app is now available and already includes HamCation's full program, so attendees can browse and schedule forums, preview the extensive list of exhibitors, and find affiliated events. During the event, attendees can use other app features to follow the hourly prize drawings and grand prize packages, and browse building and site maps.

While returning app users do not have to re-register to use the app, they will be prompted to complete a simple registration to view each new event. Attendees are also encouraged to tap on the MyProfile icon in the app to add their name and call sign, email address, and any additional information they would like to share with other HamCation guests. Additionally, the MyBadge icon displays a QR code of your event badge that can be scanned by another attendee or exhibitor using the Scan Badge icon - instantly





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connecting shared contact information with other hams at the event.

The app is available for Apple and Android smart devices, or access the web browser version which is optimized for nearly any browser or other type of mobile phone or tablet. Visit your app store to download the app (search "ARRL Events") or access the [links](#) available on the ARRL Expo web page. If you're reading this article on a mobile device, click [here](#) to be redirected to the appropriate app store, or redirected to the web browser version (www.tripbuildermedia.com/apps/arrl).

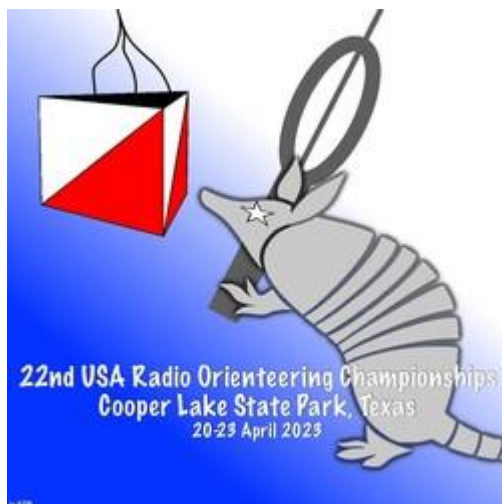
For more information, please visit these official websites:

- Orlando HamCation
www.hamcation.com
- ARRL at Orlando HamCation
www.arrl.org/expo

USA Radio Orienteering Championships Set for April 19 - 23, 2023

Registration is now open for the 22nd USA Radio Orienteering Championships.

The event will be held April 19 - 23, 2023, at Cooper Lake State Park in Texas, and is hosted by the [New Mexico Orienteers](#),



Albuquerque, New Mexico, using maps provided by [North Texas Orienteering Association](#).

The [White Rock Lake Amateur Radio Club](#) will provide communications support.

The name Radio Orienteering has been transitioning to this new name but it is actually the same radio navigation sport known as Amateur Radio Direction Finding (ARDF). The sport involves using special radio receivers to find hidden transmitters in timed events.

USA ARDF Co-coordinator Gerald Boyd, WB8WFK, said the event is open to everyone of all age groups, and three medals will be awarded for first, second and third place in all groups. "We have events beginning with the Sprint," said Boyd. "Participants will have 60 minutes to find their transmitters. After that, three more events, the Fox -O, and two Classics events, all lasting three hours." Results of the competitions on April 20 - 23, 2023, will help determine the members of Team USA who will compete in the ARDF World Championships scheduled for the fall of 2023 in Liberec, Czech Republic.

Charles E. Scharlau, NZ0I, USA ARDF Co-coordinator, said they are hoping for a good turnout. "It is difficult to estimate attendance this year. We can accommodate up to 100 persons," said Scharlau. "Historically, we've had about 35 or fewer competitors in non-pandemic years, but we are hearing rumors of many people who are eager to get out and do things, so perhaps attendance will be up this year."

Scharlau said this year everyone participating in or attending the event will need to pay a \$5.00 parking fee at the park.

Detailed information about registration and the event site can be found [here](#). More information about Radio Orienteering is available on the [ARRL website](#)



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ARRL Foundation Accepting Applications for Grants in February

The ARRL Foundation is now accepting



applications for grants to amateur radio organizations. The grants program awards limited funding to organizations for eligible amateur radio-related projects and initiatives, particularly those with a focus in educating, licensing, and supporting amateur radio activities. Youth-based projects and initiatives are especially encouraged. The ARRL Foundation grants program accepts proposals on a cyclical model three times a year, in February, June, and October. Proposals for the February grant period are being accepted through February 28. Awardees will be notified approximately 1 month after the closing of each cycle.

Additional information and a link to the grant application can be found at www.arrl.org/amateur-radio-grants.



Amateur Radio on the International Space Station Contacts two US Schools

Astronauts onboard the International Space Station (ISS) were busy the last week of January making contacts with two schools using amateur radio.



The [Amateur Radio on the International Space Station](#) (ARISS) program

arranged contacts with Brentwood Magnet Elementary School in Raleigh, North Carolina, and Norwich Free Academy (NFA) located in Norwich, Connecticut.

On January 26, 2023, nearly 400 students at Brentwood Magnet Elementary School filled the gymnasium to listen to astronaut Koichi Wakata answer questions about his experience on the ISS. Wakata told students he loves being in space but is looking forward to taking a shower when he returns in March

He also told the students that it's not scary in space and encouraged them to pursue careers in science and engineering.

Then on January 30, 2023, astronaut Dr. Josh Cassada contacted students at NFA. During his 10-minute contact, Cassada shared with students how his career as a Navy Test Pilot helped him become an astronaut. "Do the things you love," Cassada told the students. During the remainder of the contact, Cassada talked about cargo vehicles making frequent



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trips to resupply the ISS and how his daily routine is different every day, including working weekends.

The NFA Amateur Radio and Engineering Club, W1HLO, members and advisors installed an amateur radio satellite ground station on the NFA campus in 2023, thanks to an Amateur Radio Digital Communications (ARDC) grant, which helped make the contact with the ISS possible.

ARISS is a unique STEM educational program which inspires young people to develop knowledge and skills through their participation in space science and amateur radio. ARISS conducts 60 - 80 of these special amateur radio contacts each year between students around the globe and crew members with ham radio licenses aboard the ISS.

ARISS is a cooperative venture of international amateur radio societies and the space agencies that support the ISS. In the US, participating organizations include from NASA's Space Communications and Navigation program (SCaN), the ISS National Lab - Space Station Explorers,

World Radio Day Special Transmission

In honor of World Radio Day, February 13, 2023, radio station SAQ in Grimeton, Sweden, and amateur radio station SK6SAQ, are scheduled to be on the air to send out a peace message to the world, using the unique 1924 200 kW Alexanderson alternator on 17.2 kHz CW.

Test and tuning



The Grimeton building site in Sweden, contains the Alexanderson alternator, which was built in 1924.

transmissions will begin approximately at 13:00 CET (12:00 UTC) and SAQ will be on the air for 20 - 30 minutes. Startup and tuning of the Alexanderson alternator will begin at 15:30 CET (14:30 UTC) and transmission of the peace message from SAQ will start at 16:00 CET (15:00 UTC).

SK6SAQ has picked a set of unique frequencies with a "connection" to SAQ's transmission frequency on 17.2 kHz, and will be QRV between 10:00 CET (09:00 UTC) and 17:00 CET (16:00 UTC) on the following frequencies:

- 3517.2 kHz CW
- 7017.2 kHz CW
- 14017.2 kHz CW
- 3755 kHz SSB
- 7140 kHz SSB

QSL cards will be available and there will be live coverage on [YouTube](#).

For more information about the World Radio Day event and SAQ Grimeton visit their [website](#).



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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
				ARES Meeting TODAY 6:00 pm		
5	6	7	8	9	10	11
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS				
12	13	14	15	16	17	18
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS		CLUB MEETING AT 6:00 PM		
19	20	21	22	23	24	25
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS				
26	27	28				
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS				