The Rumble

Next Meeting

Apr 5, 2023 6PM

Program
2023

Meeting Location:
Northern AZ Fire Station #31,
2600 Northern Ave

From the Pres:

We will be discussing some important club issues on next Wednesday's meeting. Please be there.

Welcome! all new members to this great group of ham radio operators. HARC is the oldest radio club in Kingman and this year we will be celebrating our 50th anniversary in July, so let's all make this a year to remember. Please join us in our activities that the club puts on and be a participating member of the club. Don't forget: we carry Andy Devine's call sign. We should be proud of that and honor the call sign by using WB6RER during every event we do.

Craig KK7JDL launched a second balloon with call sign WB6RER (WB6RER-2) on the 24th at 8:36am. It was a very rare calm morning out in Golden Valley at Craigs homestead. The flight lasted 2 days and then we lost contact with it over Eastern Oklahoma.

Every flight has been eye-opening and a never-ending learning experience. Can't wait for the next one to go up.

Craig and I have 2 more QRPLABS U4B trackers coming at our own expense. There are more balloon flights to come and I'm glad to see so many people enjoying the tracking of these balloons.

The estate items sale and BBQ was a big success over at William (Billy) Johnson's home. He did a great job setting this event up and a tasty job with the BBQ food. The balance of the estate items will be stored in the club trailer. We have nowhere else to store these items until the Ham swap meet coming up in May.

The Fox Hunt was a lot of fun and Ted KI7BWO was the first to find the transmitter that Don and Jerry had hidden. Billy KK7FRW was the second person to find the transmitter. They both received a Walmart gift card. We had a total of five (5) participants looking for the Fox transmitter. Everyone said they would like to do it again, and we will, hopefully in April.

Thank you, Rick/K7CNT 73

From the Secretary:

April Monthly Challenge

Trails and Rails

In 1857, Navy Lt. Edward Fitzgerald Beale traveled through what was to become Kingman while surveying a federal wagon road along the 35th parallel. Later, in 1859 Lt. Beale traveled back through the area building that same wagon road, which later became a part of US Route 66. (You can still see part of the old wagon road in White Cliffs Canyon east of Radar Hill and north of Beale St.)

In 1882 Lewis Kingman, an engineer with the Atlantic and Pacific Railroad established Kingman, named after himself, as a railroad siding, while surveying and building the railroad line between Flagstaff, AZ and Needles, CA. It is interesting that, despite the mining in the area, Kingman was established as a railroad town, rather than a mining town.

In light of the importance of the wagon trail and the railroad to the history of Kingman, April's Challenge Phrase is WAGONS AND TRAINS.

73 de KG6ECW

RADIO PROPAGATION QUESTION:

The terminator display to the right indicates:

a) The general time of the year we are in (almost equal daytime and nighttime);
b) The USA is in daylight, so what HF bands are we most likely to find supporting propagation, (presuming there isn't a massive solar storm!)?
c) Where would be likely to communicate? Continental US (NoAm)? Europe? SoAm? Africa? Pacific? Asia?

Subjects to Consider

Government News RF Exposure Evaluation Deadline is Here You may recall that the FCC issued changes to amateur radio RF exposure rules that went into effect on May 3, 2021. The change does not alter the exposure limits; it mainly removes ham radio's exemption from evaluating their stations for compliance. For new stations established on or after May 3, 2021, the licensee must immediately evaluate their station and take steps to come into compliance if the evaluation shows that's needed. For stations that existed before May 3, 2021, the deadline was pushed back two years, but is now upon us. Our deadline for evaluation is just a month away, May 3, 2023. Details on the rule change are available at (http://www.arrl.org/news/updated-radio-frequency-exposure-rules-become- effective-on-may-3).

Seven (7) page PDF of FAQs is available at http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RFXFAQ4.pdf

One method to perform your evaluation is to use the ARRL RF Exposure Calculator at http://www.arrl.org/rf-exposure-calculator

Frequency Measuring Test

The A.R.R.L. hosts two frequency measuring tests each year, in April and November. It's a good opportunity to check your equipment and your frequency measuring skills. This month, the test will be on Thursday, April 20, beginning at 8:00 PM Pacific Time (officially, 0300 April 21 UTC). The test will be on 40 and 80 meters from two transmitting stations, one each in Oklahoma and Ohio. You don't have to use special lab equipment to enter the FMT. Modern HF transceivers can make frequency measurements quite accurately. SDR transceivers and PC software can make precise measurements of signal frequency. See (http://fmt.arrl.org/) for details and to enter your results. Also, click the link there for the QST announcement. And, you can get information on how to measure frequency at (http://www.k5cm.com/).

NASA On The Air

NASA locations host a dozen or so amateur radio clubs around the nation and they join forces to commemorate NASA milestones and various special anniversaries. One of those clubs is at the Ames Research Center on Moffett Federal Airfield over on the peninsula; call sign NA6MF. NASA On The Air is a year-long special event for all those clubs that highlights a particular milestone each month. Get details, rules, scoring, how to get a certificate and other information at:

https://nasaontheair.wordpress.com and check your score at: https://nota.ka0s.net/

NASA Needs Ham Help Amateur Radio Science Citizen Investigation (HamSCI) is an officially recognized NASA citizen science project. HamSCI will be making radio contacts during the 2023 and 2024 North American eclipses, probing the Earth's ionosphere. It will be a fun, friendly event with a competitive element—and they want hams to participate by transmitting, receiving, and recording signals across the radio spectrum during the eclipses, which will create valuable data to test computer models of the ionosphere. For details, see https://science.nasa.gov/science-news/citizenscience/ham-radiooperators-we-need-your-help-during-solar-eclipses

Museum Ships On The Air

Museum Ships Weekend, is an annual event hosted by the Battleship New Jersey Amateur Radio Station. This year, it will be the weekend of June 3-4. As of this writing, 66 ships from around the world have signed on to participate this year, including our own USS Hornet in Alameda, the SS Jeremiah O'Brien in San Francisco, the Red Oak Victory in Richmond, and the USS Pampanito in San Francisco. Hopefully, the USS Potomac in Oakland and the USS Lucid in Stockton will join the list soon. Get details at: (https://www.nj2bb.org/museum/). A full list of all the world's museum ships is available from that oracle of oracles, Wikipedia, at:

https://en.wikipedia.org/wiki/List_of_museum_ships

Operating notes:

A weekend ago was the CQWW WPX SSB contest. This is a worldwide affair and you can operate a maximum of 48 hours. There are many operating categories, from single op, to multi-op/multi-tx, from "classic" to unlimited technology. The goal is to contact as many stations as possible with the most unique prefixes over the 48-hour contest period. Within Arizona is the AOCC, the Arizona Outlaws Contest Club. They have a wide variety of operators and operating preferences, plus at least one, "super station" over in Wickenburg. It is owned and built by Tim, N6WIN and they operate using the call, "ND7K."

The station is at least state-of-the-art using every available piece of technology for multi-operator, multi-transmitter operation. Generally, the core of the antenna system is a trio of fixed, 130' guyed towers populated with 5 or more Yagis in fixed directions, plus verticals and carefully-placed wire antennas. This last weekend, even with marginal conditions, the team racked up an incredible score.

The following is a portion of the AOCC summary scores table to show how well stations can do from Arizona. The heading QSO's means contacts, WPX means unique prefixes. "M/M HP means multi-multi and high power. M/S is multi-op and single transmitter. SOAB HP is single-operator, all-band, high power.

Call	*Category*	*Score*	*QSO's*	*WPX*	*Hrs*
ND7K	M/M HP	30,053,255	9858	1583	48
KY7M	M/S HP	6,008,668	3135	1031	43
WK5T	SOAB HP	7,916,400	3172	1080	24
KN7Y	SOAB HP	658,999	1001	431	25
K9RZ	SOAB HP	445,785	583	339	19.1
W7GES	SOAB HP	439,190	503	370	-
W7PP	SOAB HP	311,040	451	288	9
K7JQ	SOAB HP	215,670	400	273	13
KE2VB	SOAB HP	120,554	303	218	8.5

UP COMING OPERATING EVENTS

K1USN Slow Speed Test 0000Z-0100Z Mondays
ICWC Medium Speed Test 1300Z-1400Z Mondays
ICWC Medium Speed Test 1900Z-2000Z Mondays
CWops Test 1300Z-1400Z Wednesdays
1900Z-2000Z "

New Mexico QSO Party 1400Z, Apr 8-0200Z, Apr 9
Nebraska QSO Party 1300Z, Apr 15 to 0100Z Apr16
1300Z-2200Z Apr 16
Texas State POTA 1400Z, Apr 15 to 0200Z Apr 16
1400Z-2000Z, Apr 16
Michigan State QSO Party 1600Z, Apr 15 to 0400Z, Apr 16
North Dakota QSO Party 1800Z, Apr 15 to 1800Z, Apr 16
10-10 Int.Spring Contest, Digi 0001Z Apr 29-2359Z Apr 30
Florida QSO Party1600Z, Apr 29 to 0159Z, Apr 30 and
1200Z-2159Z, Apr 30