



The Rumble

Next Meeting

May 3, 2023 6PM

Program

2023, plus Tom, N6BT on wire antennas

Meeting Location:

Northern AZ Fire Station #31,
2600 Northern Ave

From the Pres:

I would like to 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 please be a participating member of the club. Don't forget we carry Andy Devine's call sign and we should be proud of that and honor the call sign by using WB6RER during every event we do.

The last balloon WB6RER-3 with 20-meter U4B tracker went approximately 7,600 miles and was up 7 days. We lost contact with it near Greece. It was a big success for the club. We will never know what went wrong, but a lot of people enjoyed tracking it.



We are learning what not to do Hi Hi. Picture is Craig, KK7JDL and Rick, K7CNT adjusting the hydrogen in WB6RER-3 just before launch on 4-14-2023 at 9:20am.

Total weight of WB6RER-3 tracker system was 8.9 grams with 3 grams of free lift. It spent most all of the flight at around 45,000 ft altitude and the average speed was about 45 mph, give or take.



FOX HUNT

The 4-22-2023 Fox Hunt was fun and Bob Goulden, KJ7VBX was the first one to find the Fox transmitter. Way to go Bob!

Don, KB7USA and Jerry, KC7RCB were responsible for hiding the Fox transmitter and staying with it during the hunt. Thank you Don and Jerry.

The club's trailer was worked on by Tony and Pete. They reversed the axle mounting to correct a issue with the tires rubbing on the fender wells. Thank you both very much for your hard work getting this done. This means we can start taking the trailer out on monthly local outings again.

Please take time to enjoy these outings with us. Thank you Billy for storing the trailer at your home.



→ Don't forget: our swap meet is on Saturday, May 13. Hope to see everyone there.

Thank you, Rick/K7CNT 73

From the Secretary:

I have a few different topics to go over this month. First, I want to thank everyone who took the time to complete the online interests survey. We've had 27 people complete the survey so far.

We're trying hard to do things that are of interest to you, the club members, and this survey will go a long way to helping us get that done. If you have not already done so, please complete the survey at <https://survey.wb6rer.net> by May 15th. After that I will close the survey and start compiling the results. Again, thank you to all who have taken the time to complete the survey.

On the topic of interests, I will be discontinuing the Monthly Challenge due to a lack of interest/participation. I've only received score sheets from two people, besides myself. If any of you are actually interested and I just haven't seen your score sheets, please let me know. If there is enough interest, I will start the Challenges back up. If you think you might be interested and just want more information, again, please let me know.

As I'm sitting here writing this, at the deadline (Tom's wanting to know if I have anything for The Rumble this month). It occurs to me that we have had a number of newly minted hams join our ranks this year and I'm curious how many of us might be interested in being Elmers? Just something to think about and maybe kick around at the monthly breakfast.

May 2023

I goofed up the club roster when I sent it out earlier in the year. I had a PEBKAC (Problem Exists Between Keyboard And Chair) error when sorting it in Excel, and with everything that I have going on, I haven't had a chance to fix it. I'll be getting the roster out to you via the groups.io page this month. I apologize for not getting it to you sooner.

That's all I have for now, so I'll just say 73 and CU at the next meeting.

73 de KG6ECW

RADIO PROPAGATION QUESTION:

Answers for last month -- the terminator display to the right indicates:

The general time of the year we are in, the time of equal day and night is the "equinox" and comes twice a year, once between March 19-21 called the "Vernal equinox" and between September 22- 23, called the "Autumnal equinox". Besides beginning to have longer days in our northern hemisphere, it marks the change in HF propagation from mainly low bands (40/80/160) due to long nights, to the high bands (more daylight);

The USA is in daylight in the photo, so what HF bands are we most likely to find supporting propagation, (presuming there isn't a massive solar storm!)?

The daylight implies the high bands (20 to 10 meters) are open across North America, up to Alaska, South Pacific, South America and to the East Coast and Western Europe.

As the year progresses, the days become longer, similar to a flower opening up, or an inverted, elongated letter "U". Longer hours of daylight extends the openings at HF on the high bands to both east and west. The low bands, however, begin to have much shorter openings as the hours of darkness are fewer, a narrowing of the dark areas. The summer solstice on June 23 will mark the longest day and, if you are in northern Alaska or Scandinavia, the sun will never set. It will only get "dim." After this day, the terminator (the line between light and dark) begins to reverse, heading to the Autumnal equinox, then the winter solstice: our shortest day.

Caveat – if you are in the southern hemisphere, all the above is reversed, except for the days of equinoxes that mark the beginning of change in day/night.



power, low-power; CW, Phone, Mixed. Use of APRS (location and call only) is allowed.

Operating notes:

DX OPPORTUNITY!

7T60ARA Algeria until April 23
9M8SOTA East Malaysia
9N7AA Nepal
CE0YHF Easter Island until April 30
FR/FY4JI Reunion Island until April 23
FW1JG Wallis and Futuna until January 2024
HS0ZNR Thailand until April 28
JG8NQJ/JD1 Minami Torishima
T30UN West Kiribati until about May 6
UK8FAI Uzbekistan
Z81D South Sudan until April 22

---THIS WEEKEND---

7th Call Area QSO Party -- 2023 Rules

1300 UTC Saturday to 0700 UTC Sunday (6 AM to midnight PDT the first Saturday in May). 7th call area stations work everyone, others work 7th-area stations only.

Work stations once per band/mode. 7th-area mobiles (and those participating in other concurrent QSO parties or contests) may be worked again as they enter new counties. Rule changes are shown in *bold italic*.

Entry categories: (Use of spotting assistance is permitted in all categories)

- Single-op: high-power, *low-power <100W*, QRP <5W; CW, Phone, Digital, Mixed
- Multi-single: high-power, low-power
- Multi-multi. No differentiated mode or power levels
- 7th-area County Expedition (an operation from a temporary location using antennas installed for the contest period, using temporary supports or trees): either
 - single-county, county-line; single-op, multi-single, multi-multi; or
 - open (anything else, including location changes)
- Mobile (station self-contained and capable of motion): single-op (unassisted -- performs all operating, logging and driving; for safety reasons, should operate only while parked), multi-single (any other mobile operation); high-

Awards: Certificates will be awarded to the top three finishers in each category within and outside the 7th call area, plus the top overall finisher *in DX* and in each state/province and 7th-area county; a 25-QSO minimum applies. See the website for a list of plaques to be awarded.

Exchange:

7th-area stations send signal report plus 5-letter state/county code (e.g., ORDES; see list). County-line stations send multiple codes, e.g., UTRIC/IDBEA (state code needed only once, e.g., ORDES/JEF).

Non-7th-area stations send signal report plus state/province/"DX" two-letter codes. Stations in other QSO parties send their appropriate exchange. The 13 "Provinces" are VE1-9, VO and VY0-2. County-line contacts may be logged with one entry showing all counties or with separate entries for each county.

Bands: 160, 80, 40, 20, 15 and 10m.

Suggested operating frequencies: 1815 and 40 kHz up on CW, except on 40m, where 7025-7035 is suggested (a window for mobiles to call CQ should be observed from 35 to 40 kHz up; others should not call CQ or run stations there); 1845, 3855, 7180, 14255, 21355 and 28455 on SSB; 80 kHz up on PSK; 86 kHz up on RTTY. Check 80m at 0500Z, 160m at 0530Z. All CW and Digital contacts must be in the CW/Data sub-bands.

Scoring: 2 points per SSB QSO, 3 points per CW QSO, 4 points per Digital QSO. County-line contacts count as multiple QSOs for both stations. 7th-area stations multiply total QSO points by the total of states (50), provinces (13) and other DXCC entities (maximum of 10). Non-7th-area stations multiply total QSO points by 7th-area counties worked (259).

Logs: All logs must be received by May 17.

See the website for all details:

<http://7qp.org/new/Page.asp?Content=start>

...end