

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.



facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



May, 2024

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Downtown at Tucson, AZ

147.28 Output

146.26 Input, PL 127.3

Gals on the Air!

EST. June 2015

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Facebook.com/groups/galsnightnet

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

2024

May 4 -----CARA Hamfest

Clubs, send me the events you would like shown here.

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

*All times are noted on
Arizona time.*

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm, Off Season, every third Wednesday of month at 7:30 pm

EAARS Officers and Staff

Board Officers

President	Dan Quaintance	AF7EF
Vice President	Joe Montierth	K7JEM
Secretary/Treasurer	Larry Griggs	N5BG

Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

Net Control Operators

Rick	W8YBM	1st Sunday
Larry	KG7VLN	2nd Sunday
Chris	N7JND	3rd Sunday
Angie	N7EMB	4th Sunday

ARRL RADIO CONTESTS

May 2024 (no ARRL Contests)

For details on all ARRL contests and for non-ARRL contests,
visit <http://www.arrl.org/contest-calendar>

New EAARS Members!



Richard	N7RSF
Nippon	KB2JKW
Avery	WB4RTP
Tom	KI7QPR
John	KK7RPJ
Ed	K9WAY
Luan	KA9WAY



MT LEMMON & TUCSON METRO BACK IN SERVICE

On April 27th, the link was restored to the Mt Lemmon and the Tucson Metro repeaters. We would like to thank Mike N7CK, Matt AC7IL and Dave K6DSA for making the needed repairs to a power supply that had failed to come back online at Mt Bigelow after a power outage few months back. The Mt Lemmon repeater is not located on Mt Bigelow, but the backbone of the system passes through Mt Bigelow from Mt Lemmon to Heliograph and that's where the failure happened.

The system was down during this time period because we could not get there because of the snow. When the mountain top receives snow, the Mt Bigelow road being on the northern part of the mountain top, is shadowed from a lot of sunshine causing the road to remain covered in snow and ice while Radio Ridge near Mt Lemmon may not even have snow. This was exactly the case and the snow finally melted to allow a vehicle to pass.

Thank You to All Who Volunteer Their Time To Maintain Our System!

LITTLE FLORIDA REPAIRED

A big Shout Out to Jeff K5VU, and Jim KI5RPN for their assistance in trouble shooting, and repair of a broken antenna at Lil Florida in Deming. Jeff of Silver City, noted weak signal strength coming from 147.06 Lil Flo repeater. Jim in Deming had not noted any issues, being right under the repeater. Both made a survey trip to the repeater site a few weeks ago, and determined that the antenna had broken off its mounting due to high winds. A work party was scheduled a few weeks later, when Larry N5BG, Joe K7JEM, and Jim KI5RPN returned to the site for repairs. While on site some other repairs were made. It's much appreciated that these two members chipped in with their assistance.

Thank You All. You are appreciated!

If you notice something not sounding right on the EAARS system, please contact any of the EAARS officers and report it. That's how we found out about the Little Florida and Mt Lemmon issues. Little Florida was not full scale at a Hams QTH when it normally is. Same with Mt Lemmon... It was reported to the officers that the repeater had gone into stand alone mode. If you do not hear the courtesy beep, that's an excellent indication that something is not working right. The courtesy beep is generated from the hub itself on Heliograph Peak and is carried across the link to all 12 repeaters. We should always wait for the courtesy beep between transmissions as it resets the time out timers.

We rely on your ears for EAARS!

RST HAMFEST - A GREAT SUCCESS

The RST Hamfest was held in the month of April and as always, it was well attended by both tailgaters and buyers. The weather behaved and it wasn't too cold or too hot. There was a great selection of boat anchors, newer gear and even a good selection of CB's, FRS, GMRS radios. Also, parts for just about anything that connects a radio to an antenna, could also be found.



Joe had the Scouts there cooking up some great food and offering doughnuts, coffee and sodas. A job well done as always.



Members of ARRL, ARCA, RST, Flagstaff ARC and many others were also there. Thank You All.

Many seasoned Hams (that's slang for old timers like me) and newer Hams (that's slang for newbies) were present as were GMRS and CB folk and those just interested in radio in general. When it comes to these Hamfests, there's always something to be found. It's also great to just talk to people you know and introduce yourself to those you don't know.



A job well done, RST!

From The Desk Of... Hercel - KJ7WHS

Hats off to my brother Walter WB7UOF and Jan NJ1J who influenced me into the hobby. Walt had been after me for years to get my ticket. And on a camp out with another club Jan and I belong to, where cell service was non existent, Walt and Jan made contact on 40 meters. I was impressed.

Fast forward to today. On many occasions, using only an end fed, I have yet to fail at making contact with the intended party including today when I contacted Walt in Indiana on 20 meters. Clearly this was not as simple as picking up the phone and we tried a couple of bands before contact was made but we got it done. Same thing with my wife, in state on 40 meters when out on a hunting trip and many others situations as well.

Phone grid was down because some stupid with a 22 shot a fiber optic wire but the EAARS Repeater system kept folks in the area in contact with others including some emergency scenarios involving relocating flood victims.

Hobby? You can call it that and I guess it is but what a useful hobby it is. Glad I am a part of it and thankful for you guys for the mentorship in helping me and others advance in it which include the members of the Superstition Amateur Radio Club and the Eastern Arizona Amateur Radio Society.



Just doing a little reflective thought today. Hercel is pictured (With Hat) with one of his Elmers, Robert N3BZ at a Winter Field Day Event.

Ham Radio Active During Eclipse

ARRL - 04/12/2024

Millions of people across the United States got to see a rare solar eclipse on Monday, April 8, 2024. The path of totality -- the line of darkness where the moon fully occluded the sun -- stretched through the South Pacific, Mexico, central Texas, the Ozarks, the Midwest, the Rust Belt area, and to New England through the Maritimes. In all, 14 ARRL Sections were impacted directly and several more were on the fringes of the solar umbra.

Radio Serves

Amateur radio was active throughout the areas of impact. Most ARRL Sections in the path had been developing a plan with their served agencies for months or years beforehand.

Traffic was expected to be significant, with up to 3.7 million people forecast to travel to areas within the path of totality.

Radio amateurs were activated in many locations.

In Paris, Texas, hams split shifts at the Lamar County Emergency Operations Center (EOC). Teams of two operators volunteered for 4-hour shifts. The activation doubled as a training opportunity and an equipment test.

The ARRL Indiana Section was in full force with their Amateur Radio Emergency Service® (ARES®) member-volunteers providing radio coverage on HF, VHF, and UHF amateur bands and utilizing GMRS. Using a mobile command center dubbed "Big Blue," the ARES team in Lake County set up on an overpass above Interstate 65 and was staffed in part by father and son volunteer team Chris Lattimer, N9MMR, and Tavas Lattimer, KD9NSC. The Section also utilized Winlink VARA HF to establish a digital connection with the incident command system.

In Hamilton County, Indiana, ARES members volunteered with the county emergency management teams. They fanned out across EOCs, parks, and other locations. One ARES member, who is also active in the Civil Air Patrol, monitored traffic and crowds from an airplane.

Section Emergency Coordinator of the ARRL Maine Section Keith Anoe, KE4UCW, held hourly check-ins via radio with the Maine Emergency Management Agency and other served agencies in case one of them needed to activate the Maine Emergency Communication Net.

Social media posts throughout the amateur radio space hold anecdotes of 146.52 MHz being extremely active during the post-eclipse traffic jam.

Radio Gathers

In Vermont, several ARRL members, who also happen to be pilots, gathered at the Northeast Kingdom International Airport in Newport to watch the eclipse.

Outside ARRL Headquarters in Newington, Connecticut, staff members and headquarters volunteers took the opportunity to observe the 92% visible eclipse using a solar viewer built by W1AW Station Manager Joe Carcia, NJ1Q.

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Amateur Radio Saves Family in Death Valley National Park

ARRL - 04/12/2024

Death Valley National Park is in a remote desert in southern California, where mobile phone networks are spotty at best. On Saturday, April 6, a radio amateur and his family were enjoying the park when their vehicle became stuck in mud in a dangerous area. Without access to a cell network, the ham called for help on the 10-meter band.

According to a news release from the Black Swamp Amateur Radio Club, Caleb Gustwiller, KD8TGB, jumped into action.

Gustwiller was monitoring from Ohio when he picked up the distress call. He was able to hear the call sign and the general location of the ham in distress. He lost the signal to the noise, so he wrote a post in the Parks on the Air® Facebook group asking for other hams to listen for the calls.

Several hams contacted emergency officials in southern California, which led to the ham and their family being rescued within a few hours by park rangers. The club stated in their Facebook post: "Without Caleb hearing this distress call, it could have quickly become a very deadly situation for the operator and his family."



This is what Ham Radio is about!

Ham Radio Active During Eclipse

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Radio Studies

Across the world, radio amateurs participated in the HamSCI Solar Eclipse QSO Party. It involved operating before, during, and after the eclipse to gather log data. Those logs will be studied by researchers in the coming years to further investigate the sun's impact on the ionosphere.

HamSCI's program leader Dr. Nathaniel Frissell, W2NAF, was active from The University of Scranton Amateur Radio Club station. "I'm happy to report that we had an excellent day at W3USR in Scranton and believe that we both had fun and collected good data," he wrote in a message to the HamSCI team.

The organizers request that those who operated in the event upload their logs. If you used N1MM+ or N3FJP loggers, there's a setting called Solar Eclipse QSO Party. Participants can also submit a Cabrillo or ADIF file of their activity. All logs should go to <https://seqp.contesting.com/seqpsubmitlog.php>.

The Cochise Amateur Radio Association



2756 S. Moson Rd, Sierra Vista, AZ 85650

Presents The

Cochise Hamfest and 7th Area



Phone/CW/Digital Communications Exercise

Saturday, May 4th, 2024

Free Parking and Admission: Hamfest Gate Opens @ 0700

Amateur Radio License Testing: 0900-1100

Prize Drawing @ 1100 AM, Talk In: 146.76(-) PL 162.2

Tailgating - \$5, Outdoor Covered*- \$10

**Covered Space is Limited, Reservations Suggested*



First Prize: RigExpert AA-230 Ant Analyzer

Second Prize: IC-2730A Dual Band Mobile

Third Prize: Yaesu FT-60R HT

Local Sierra Vista Accommodations & Shopping

Within 15 Minutes of Hamfest Site

Visit us on the web @ <http://www.k7rdg.org>

For More Info Contact: N7BTO/Karl—N7BTO@arrl.net

See You There!!!

Other Club Stuff

From Diane AA3OF: RST VE Testing will be held at Immanuel Presbyterian Church, Witherspoon Hall, 9252 E 22nd St, at 7pm.

2024	May 13	July 8	October 14
	June 10	August 12	November 11
		September 9	December 9

If you live in the Graham or Greenlee County and are interested in a VE Testing Session, please feel free to contact Dan Quaintance AF7EF, (928) 235-1152.



Rise and Shine!!!

**with
the**

Made it through the Night Gang Weather Net

**0530 Mountain Standard Time Daily
on the EAARS Repeater System**

**Weather and
Conversation**

Get a handle on the local weather from your fellow HAM operators around the EAARS coverage area and get to know them better.

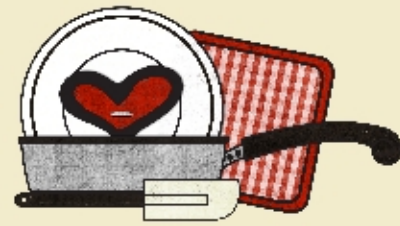
We do a technical question of the week on Wednesday and the "Flea Market of the Air on Fridays

**W7GSP – Steve
Net Control
K1VM/N7CDW
Keith/Carrie**

Radio Society of Tucson (RST) is now conducting two monthly events for new operators. 1) Radio Days in the Park will meet the 2nd and 4th Wednesday, Reid Park, Ramada #22. 2) Newbies Net on Thursdays, 8pm on 147.000 MHz. Listen on 147.000 MHz, transmit on 147.600 MHz with a tone of 110.9 Hz.

**Do you have any club news to share? It can be posted on this page.
Send your info to Angie - emberfire@cox.net.**

Cooking up
Some Magic



Emily's Excellent Taco Casserole



*Courtesy of
allrecipes.*

*Prep Time: 10 mins
Cook Time: 25 mins
Total Time: 35 mins
Servings: 4*

Yield: 1 9x9-inch casserole



Ingredients

6 cups corn tortilla chips
2 cups vegetarian chili with beans
1 cup shredded Cheddar cheese
2 cups shredded lettuce
2 roma (plum) tomatoes, chopped
½ cup salsa
¼ cup sour cream

*Nutrition Facts (per serving)
477 Calories
24g Fat
49g Carbs
19g Protein*

Directions

Preheat the oven to 350 degrees F (175 degrees C).

Place chips in the bottom of a 9x9-inch baking dish. Pour chili straight from the can over chips. Sprinkle shredded cheese over top.

Bake for 20 to 25 minutes in the preheated oven, until chili is bubbling and cheese is melted. Top with lettuce, tomato, sour cream, and salsa in the pan, or after serving if people are picky.

kiss the
COOK
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