

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.



facebook.com/groups/eaars

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



October, 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

Oct 5 ---- RST Fall Hamfest -----Tucson
Oct 5 ---- TARA Swapfest ----- Payson
Oct 20 ---- Making Strides -----UA Tech Park, Tucson
Oct 26 --- Alzheimer Event -----Reid Park, Tucson
Nov 2 ----- HARKfest -----Wickenburg
Nov 9 ---- Tucson Hamfest -----Tucson
Dec 7 ---- Superstition Superfest -----Mesa

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

October 2024

TBD Collegiate QSO Party

19-20 EME - 50 to 1296 MHz

21-25 School Club Roundup

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

New EAARS Members!



Paul	W5PAR
Thor	KK7VKN
Dave	N8ARP
Todd	KK7UYV



Time Out Timer

A Friendly Reminder



Greetings to one and all. As many of you know, last week around the 24th of Sept 2024, EAARS experienced a stuck microphone on the Mt. Lemmon repeater, which lasted for over 10 hours. YES, 10 HOURS !! The signal could be heard on the input of the 147.160 repeater all over Tucson. Since this signal timed out the whole EAARS network, our choice was to turn off the Mt. Lemmon repeater until the signal went away. Approx 10 hours later on the next day, it finally turned off.

Most of you already know where this article is heading. YES, the option to set your Timeout Timer in your radio! We understand that all radios may not have this feature, but most newer radios including the almighty Baofeng, has this option. The menu item is usually titled TOT which stands for Time Out Timer and should be set for 3 minutes.

What is a TOT? When the TOT setting is set to 3 minutes or 180 seconds, you are programming your transmitter to automatically turn off after the microphone has been keyed for 3 minutes. The radio should not transmit again until the microphone button is released and pushed again.

Why should I set this feature? The answer is simple. It prevents the repeater from staying keyed, causing its own transmitter to time out, which can time out the whole network. An open microphone can prevent EMERGENCY traffic from calling in and using the repeater. It can also save your transmitter from literally burning itself out and causing a fire from the heat sink getting too hot. As with this stuck microphone, we all heard what appeared to be a Ham Radio podcast, but an open microphone will transmit anything it hears and we've heard it all.

We keep making these postings whenever this happens to remind everyone that this can happen to us all. We've all experienced our own microphone being accidentally keyed without our knowledge. Mine was with my Cat lying across my desk microphone causing my own Time Out Timer to kick in.

Please take a moment to see if YOUR radio has a feature to set the TOT. If it does, please set it to no more than 3 minutes. But do set it! It should be the first menu item you set before anything else.!

Thank You All for doing this. We will continue to post these reminders occasionally when we have new Hams come on board or we have a major issue like we did on the 24th of Sept.

EAARS 2024 PICNIC

GREAT SUCCESS

On Saturday, Sept 14th, the EAARS group held its annual picnic at the Discovery Park community center in Safford Arizona. The picnic was well attended by many Hams and family.

Thanks to all for bringing a dish to share. All the food was excellent. We also would like to give a big thank you to Dennis KE7KRE for being our master cook and cooking up those steaks. They were excellent!

Many photos were taken at the picnic. For those of you with Facebook accounts, you've probably already seen the many photos that have been added. We appreciate everyone who took photos and uploaded them. The EAARS Facebook page and photos, can be seen at facebook.com/groups/eaars.

Every year EAARS puts this picnic on in appreciation to the many EAARS members who keep their membership current. We Thank You So Much



Ten Uses for a Multimeter

The handheld digital multimeter (DMM) is a basic tool for ham radio applications. It is called a multimeter because it combines multiple meter functions into one unit: voltmeter, ammeter and ohmmeter. These days, almost all of these meters are digital, which makes them very easy to use.



Here is a list of 10 things you can do with a DMM

1. Check the power supply voltage on the new power supply you just purchased.
2. See if your HT battery pack is fully charged.
3. Measure the current that your transceiver draws to estimate how long your emergency power system will last during a blackout.
4. Sort the bag of resistors you purchased at the hamfest.
5. Check a fuse to see if it is blown.
6. Troubleshoot your broken rig by checking the bias voltages against the service manual.
7. Figure out if the AA batteries the kids left for you are dead.
8. Verify that your coax is not shorted between the shield and center conductor.
9. Check the level of the power line voltage in the ham shack.
10. Check for good DC continuity between the ends of the TNC cable you just soldered.

Hamfest For The Remainder Of 2024 Courtesy of ARCA

October 5: TARA Swapfest (Payson)

*Sponsored by: Tonto Amateur Radio Association
For More Information Visit: <http://n7tar.org>*

October 5: RST Fall Hamfest (Tucson)

*Sponsored by Radio Society of Tucson
For More Information Visit: www.rstclub.org*

November 2: HARKfest (Wickenburg)

*Sponsored by: Hassayampa Radio Klub
For More Information Visit: <https://harkaz.org>*

November 9: Tucson Hamfest

*Sponsored by: Oro Valley Amateur Radio Club
For More Information Visit: www.tucsonhamradio.org*

December 7: Superstition Superfest (Mesa) *

*Sponsored By: Superstition Amateur Radio Club
For More Information Visit: <https://superfest.superstitionarc.org/>*



RST Radio Society of Tucson

TUCSON AUTUMN HAM (fest)

Saturday October 5th 2024

7 AM - 11 AM



**Buyers - Free Admission & Parking
Sellers - Shaded Parking
Seller Setup Starting at 6 AM**



**Calvary Tucson Church
8711 East Speedway in Tucson
Morning Snacks by Scout Troop 157**

Seller/vendor spaces - \$10/parking space.

RAFFLE

Tickets: \$2 each, 3 for \$5, 7 for \$10, 15 for \$20, and 40 for \$40

Need not be present to win.

Online Raffle Ticket Sales: www.k7rst.club

Raffle Prizes

- Yaesu FT-991A HF/VHF/UHF Transceiver
 - Icom IC-7300 HF and 6M Transceiver
 - Yaesu FT-891 HF and 6M Transceiver
 - Yaesu FTM-500DR 2M/70cm Dual Band C4FM Transceiver
 - Yaesu FTM-300DR 2M/70cm Dual Band C4FM Transceiver
 - Comet CAA500MKII Antenna Analyzer
 - Daiwa CN901HP HF SWR Wattmeter
 - Daiwa CN901VN VHF/UHF SWR Wattmeter
- Map and info at www.k7rst.club**



RST Radio Society of Tucson



ANNOUNCING THE AZ QSO PARTY

Saturday October 12

Reid Park Pavilion #19, 8 AM to 6 PM

This is your opportunity to be introduced to contest operations in a "casual" contest. Other operators in the USA and DX countries seek out contacts in AZ and collect AZ counties.

Learn contesting and learn logging. Join in the fun and bring a friend.

Hot dogs, burgers, cold drinks, chips from 12:30 'till 2:00 PM. **No adult beverages please. RSVP by email (kenwboyd@gmail.com)**

More information at
<https://www.azqp.org/>
and
<https://www.k7rst.club/>



Objective:
 AZ stations: work everyone
 Non-AZ stations: work only AZ stations

Date: October 12, 2024
 1500z Oct 12 to 0500z Oct 13, 2024 (UTC)

Entry Categories:
 Mobile
 Expedition Multi-Op (County-line or Single-county)
 Expedition Single-Op (County-line or Single-county)
 Multi-Op Unlimited Transmitters
 Multi-Op One Transmitter (High, Low)
 Single-Op (High, Low, QRP)

Modes: CW, Phone
Bands: 160, 80, 40, 20, 15, 10 meters
Exchange: RS(T) & County or State / Province / DXCC

Get on the Air – Make Some Noise – Be Hunted

HAVE HAM RADIO FUN!

Rules, Awards & More: www.AZQP.org



Amateur Radio Council of Arizona



ARRL – Arizona Section



Great Fun!

Great Raffle Prizes!

Indoor VE Session!

Pre-registration for VE testing preferred but not required.
 Email licensing@tucsonhamradio.org

Interesting Seminars!
 See website for Seminar Schedule

**ARRL Booth with Award Card
 Checking and Logbook of the
 World assistance!**

**Food Truck for Breakfast and
 Lunch**

An ARRL Sanctioned Event
 Presented by the
 Oro Valley Amateur Radio Club

November 9, 2024

**Marana Middle School
 11285 West Grier Road
 Marana Arizona 85653**

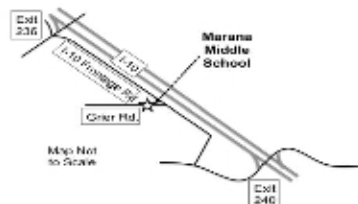
**Gates open at 7:00 AM (5:00am for
 sellers) and close at 1:00 PM**

Admission: \$5.00 includes a bottle of water
 (Children under 12 free with a paid adult)

Students free with any AZ school ID

Sellers: \$10 per space (includes the seller)

Contact hamfest@tucsonhamradio.org for
 more information



www.tucsonhamradio.org
 Pick 'Our Hamfest' from Menu

Per AZ State Law, no smoking or firearms are permitted on school property including parking areas

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

October 14
November 11
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.

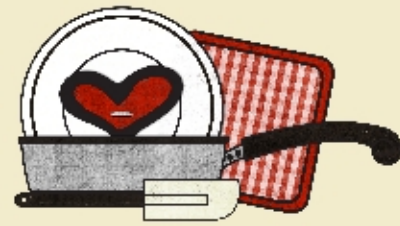
We do a technical question of the week on Wednesday
and the "Flea Market of the Air on Fridays

**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



Big Soft Ginger Cookies

Big, soft and perfumed with fall baking spices, these ginger cookies are a treasure-trove of cozy flavors. We bake smoky molasses, zippy ginger, sweet cinnamon and spicy cloves into pillowy, golden brown cookies. Take one bite of these ginger cookies and you'll feel as if you're eating fall itself.



Courtesy of Taste of Home

Ingredients

3/4 cup butter, softened
1 cup sugar, plus additional for rolling
1 large egg, room temperature
1/4 cup molasses
2-1/4 cups all-purpose flour
2 teaspoons ground ginger
1 teaspoon baking soda
3/4 teaspoon ground cinnamon
1/2 teaspoon ground cloves
1/4 teaspoon salt

Prep Time: 20 min

Cook Time: 10 min

Yield: 2.5 doz

Directions

In a large bowl, cream butter and 1 cup sugar until light and fluffy, 5-7 minutes. Beat in egg and molasses. Combine the flour, ginger, baking soda, cinnamon, cloves and salt; gradually add to the creamed mixture and mix well.

Roll into 1-1/2-in. balls, then roll in additional sugar. Place 2 in. apart on ungreased baking sheets. Bake at 350° until puffy and lightly browned, 10-12 minutes. Remove to wire racks to cool.

How can you make these cookies crisp?

To make ginger cookies crisp, leave out the baking soda. The main difference between a soft and crispy ginger cookies recipe has to do with this leavening agent.

Why are these ginger cookies flat?

There are plenty of reasons why cookies turn out flat. To avoid flat cookies, make sure to cream your butter and sugar until it is pale yellow and fluffy. This usually takes five to seven minutes on medium speed. Doing this adds air and structure to the dough. If your cookies are still turning out flat while baking, refrigerate the unbaked dough balls for 10 to 15 minutes before baking to prevent excessive spreading.

