

# Eastern Arizona Amateur Radio Society

EST. 1974

[www.eaars.com](http://www.eaars.com)

INC.



[facebook.com/groups/eaars](https://facebook.com/groups/eaars)

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



*April, 2025*

## 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](mailto:emberfire@cox.net).*

**2025**

Apr 5 ----- Tucson Area Spring Hamfest -----Tucson  
Apr 19 ----- Repeater Owners & ARCA Mtg----- Phoenix  
Jun 14 ----- Flagstaff Hamfest ----- Flagstaff

*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

April 2025

13 Rookie Roundup – Phone

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

## New EAARS Members!



Jimi KB3WGE  
Bruce KK7WKP  
Luke KJ5KLL  
Steve KY7H



WELCOME

## **RADIO CONNECTS is 2025 ARRL Field Day Theme**

ARRL - 03/14/2025

ARRL The National Association for Amateur Radio® has released the logo and theme for this year's ARRL Field Day, June 28 – 29, 2025.



The theme for 2025 Field Day is “Radio Connects” — highlighting the many ways that wireless technology connects people across distances near and far. The event is part picnic, campout, practice for emergencies, informal contest, and most of all, fun! ARRL Field Day is the most popular ham radio activity held annually in the US and Canada. On the fourth weekend in June each year, more than 31,000 hams get together with their radio clubs, schools, or friends to operate from remote locations.

Ham radio provides a connection — both for practical communications and to form relationships with fellow radio amateurs. No matter who you are, or what your background or interests are, if you have an interest in radio and wireless technology, radio connects you with others.

The theme is universal, says ARRL Public Relations and Outreach Manager Sierra Harrop, W5DX. “Local amateur radio clubs bridge generations. Contacts made across town or around the world allow cultural exchange, right over the air. In times of crisis, radio connects those in need with information. The whole point of amateur radio is the connect, both literally and figuratively,” she said. Amateur radio also inspires the next generation of technical leaders by providing a hands-on sandbox where students can gain experience in the fields of science, technology, engineering, and mathematics (STEM).

Make your plans to connect with radio for ARRL Field Day. Use the Field Day site locator to find a site near you. Clubs planning to host a site may list their event information there, as well.

### **Don't Forget the Swag!**

2025 ARRL Field Day Radio Connects merchandise is available for preorder from the ARRL Store. All the fan-favorite gear is back: tee-shirts (complete with ARRL Sections checklist on the back!), mugs, and pins are available for shipping in late April 2025. **Please note:** any orders from the ARRL Store that contain 2025 ARRL Field Day merchandise will be held for shipping until the Field Day items are available in late April.

***For more information about 2025 ARRL Field Day and the “Radio Connects” theme — or to start planning your activation — visit [www.arrl.org/field-day](http://www.arrl.org/field-day).***

## Call For Radio Operators From Greg Peters ComL Vail Scramble

This is the initial call for operators for the Vail Scramble on Sunday, April 13th. You would need to be in place by 5:30 am, 6:30 am, 7:00 am and 7:30 am. I had you listed in helping with last year's event, I hope I can get your help again this year. You will be providing communications from your locations back to net control which will be located at the Gabe Zimmerman Trail head in Vail. As of now you will also be providing safety of runners as they go through your stations with a possible change to accounting for all runners that come through your station. We will be using UHF (primary) and VHF (simplex, alternate) for this event.

Description from the AZ Trail Web Site...This trail marathon, half-marathon and 10K traverses the valley between the Santa Rita and the Rincon Mountains. It offers spectacular, sweeping views and while the marathon has plenty of challenging ups and downs along the foothills of the Santa Rita Mountains, the half-marathon and 10K courses offer mostly a gentle, winding descent through ocotillo, prickly pear cactus, creosote, and mesquite.

The map of the course, same as last year. Aid Station 1 will need a 4-wheel drive to get into that location.

If you are interested in helping please contact Greg W9GRG by Friday, April 4th. Greg's email can be found at QRZ.

Thank you for your time.  
Greg Peters  
ComL, Vail Scramble

<https://runazt.org/vail-scramble>

Announcing the 7th Call Area QSO Party (7QP) will take place on May 3-4th 2025 starting at 1300 UTC (6:00A MST) on Saturday the 3rd. The 7QP is an amateur radio contest, held annually on the first Saturday in May by the Central Oregon DX Club. The stations of the US 7th call area (Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming) become "the pursued", and the rest of the US, Canada, and the world tries to work as many of us, on as many bands/modes as possible, over the 18-hour period.

For the organizers of 7QP, a key objective is to get as many of the state's counties (15 Arizona counties) activated for at least some of the contest by promoting serious "roving" mobile operation and county-line stations, and the casual-operator at fixed stations in under-populated counties. Why not consider turning a camping trip into a ham expedition? There are many entry categories (more than most other contests) so there is something for everyone. Working this contest is far more rewarding from that remote location than an otherwise normal contest weekend at home. Historically, counties such as Cochise, Gila, Graham, La Paz, Navajo and Pinal are often soft in participation, so they should always be considered. Visit <http://7qp.org/new/Page.asp?Content=start> for rules and complete description and information. Additionally, folks can announce their planned operation by sending an email to [7qpops@codxc.org](mailto:7qpops@codxc.org)



73,  
Andy Smith, KK7AC  
Arizona Captain, 7th Call Area QSO Party



*Submitted by Lee K7OED*

The DeVry hamfest has been cancelled, but ARCA will still host the spring Repeater Owners and ARCA meetings on April 19th at the Arizona Red Cross building (4747 N. 22nd Street Suite 100 in Phoenix). The ARCA meeting will include nominations for officers for the 2025-2026 term; elections will be held at the summer meeting during the June 14th Flagstaff hamfest. From the ARCA bylaws (can be found on the ARCA webpage): “Candidates for office shall be chosen from the roster of authorized Delegates/Alternates; however, if no Delegate/Alternate candidate exists for an office, nominations from affiliated Clubs will be accepted. All candidates shall be licensed Amateurs, reside in the State of Arizona, and have been actively involved in the Council and/or Council activities for a minimum of 2 years prior to the election.”

ARCA is also accepting nominations for Ham of the Year and Young Ham of the Year – those nominations should be submitted online via the instructions found on the ARCA webpage ([www.arca-az.org](http://www.arca-az.org)). The cutoff for nominations is May 1st - please do not submit them via snail mail as we may not receive them in time.

ARCA is also accepting applications for academic scholarships for the 2025-2026 academic year. The cutoff date is also May 1st and applications should be submitted per web page instructions.



## **What is HF radio?**

Known as the decameter band or decameter wave, high frequency (HF) is the ITU designation[1] for the range of radio frequency electromagnetic waves (radio waves) between 3 and 30 megahertz (MHz).

The HF band is a major part of the shortwave band of frequencies, so communication at these frequencies is often called shortwave radio. Because radio waves in this band can be reflected back to Earth by the ionosphere layer in the atmosphere – a method known as "skip" or "skywave" propagation – these frequencies are suitable for long-distance communication across intercontinental distances. The band is used by international shortwave broadcasting stations (2.310 - 25.820 MHz), aviation communication, government time stations, weather stations, amateur radio and citizens band services, among other uses.

Different from VHF (Very High Frequency - 30MHz-300MHz) and UHF (Ultra High Frequency - 300MHz-3GHz) radios, HF radios cover far greater distances thanks to ionospheric refraction – but the HF radio signals are prone to distortion by atmospheric conditions such as geomagnetic storms or solar flares that radio users cannot control. HF communications are best suited for long distance communication between ground operators and base stations.

## **What about VHF/UHF radios?**

VHF radio waves operate in a band between 30-300 megahertz, while UHF radio signals are propagated within 300 megahertz and 3 gigahertz. These radio waves travel over line of sight, making them ideal for local communications over a few kilometres.

Indeed, VHF radio waves normally travel within line of sight along the Earth's surface. Common uses for VHF are FM radio broadcasting, television broadcasting, two way land mobile radio systems (emergency, business, private use and military), long range data communication up to several tens of kilometres with radio modems, amateur radio, and marine communications. Air traffic control communications and air navigation systems (e.g. VOR, DME & ILS) work at distances of 100 kilometres or more to aircraft at cruising altitude. VHF was used for analog television stations in the US, and continues to be used for digital television.

UHF radio waves propagate mainly by line of sight; they are blocked by hills and large buildings although the transmission through building walls is strong enough for indoor reception. One of the biggest pros of UHF radios is that they do a much better job of penetrating barriers in urban locations, like concrete, steel, and wood. So this kind of radio is best suited for use indoors, including buildings with multiple floors, in industries such as manufacturing, distribution, education, retail, hospitality, and healthcare. They also work well for businesses that function in both indoor and outdoor settings, where there are a lot of surrounding buildings.



**RST** Radio  
Society of Tucson

**TUCSON AREA SPRING HAMFEST**  
**Saturday April 5<sup>th</sup> 2025**  
**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](http://www.k7rst.club)**

**Raffle Prizes**

**Yaesu FT-991A HF/VHF/UHF Transceiver**

**Icom IC-7300 HF and 6M Transceiver**

**Yaesu FTM-300DR 2M/70cm Dual Band C4FM Transceiver**

**Palstar AT2KD Antenna Tuner**

**Daiwa CN901HP HF SWR Wattmeter**

**Daiwa CN901VN VHF/UHF SWR Wattmeter**

**Map and info at [www.k7rst.club](http://www.k7rst.club)**

# Other Club Stuff

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

2025	May 12	September 8
	June 9	October 13
April 14	July 14	November 10
	August 11	December 8

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.

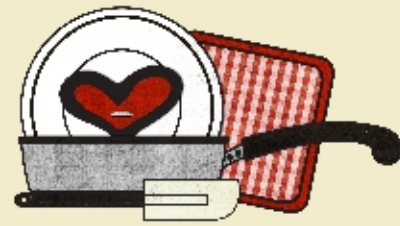
We do a technical question of the week on Wednesday  
and the "Flea Market of the Air" on Fridays

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



# Carrot Salad



## Ingredients

3 Tbsp. mayonnaise  
3 Tbsp. coarse grain dijon mustard  
3 Tbsp. apple cider vinegar  
3 Tbsp. honey  
1 tsp. salt  
1/2 tsp. ground black pepper  
2 (10-oz.) bags matchstick carrots  
1 red apple, cut into matchsticks  
1/2 cup chopped toasted pecans  
1/2 cup raisins  
2 Tbsp. fresh parsley, chopped

## Directions

1. In a medium bowl, stir together the mayonnaise, mustard, vinegar, honey, salt, and pepper for the dressing until smooth.
2. Add the carrots, apple, pecans, raisins, and parsley to the dressing mixture; toss together to coat. Serve immediately, or refrigerate for up to 1 day.

### **Can you shred whole carrots for carrot salad?**

*You can absolutely shred your own carrots, even though this recipe gives you a break by calling for store-bought matchstick carrots. You'll need to grate about six to eight medium-sized carrots, on the large holes of your box grater to get the correct amount for this recipe.*

### **Can you leave the pecans out of carrot salad?**

*Sure! If you're not a fan, you can skip the pecans, though they do add delicious nutty crunch to this salad. Instead, try an equal amount of roasted walnuts or pistachios in this recipe, if you'd like that.*

### **What can I use instead of raisins in carrot salad?**

*If you find you're fresh out of raisins when it comes time to make this carrot salad, dried cranberries are a delicious swap. The cranberries will add a sweetness and tang similar to raisins.*

### **Can you make carrot salad ahead of time?**

*Yes! The apple cider vinegar in the salad dressing keeps the apples from turning brown, so you can make this a day ahead. You can eat it cold, but carrot salad tastes best if you let it get a little closer to room temperature before digging in.*

kiss the  
**COOK**