

# 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



*January, 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**

Jan 19-25----- Quartzfest 2025 -----Quartzsite  
Feb 14-15 ----- Yuma Hamfest ----- Yuma  
Mar 8 ----- GV Hamfest -----Green Valley

*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

### January 2025

- 1 Straight Key Night
- 4 Kids Day
- 4-5 RTTY Roundup
- 18-20 January VHF

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

## New EAARS Members!



Richard	KO4GGC
Cary	K7CFG
Nicholas	AA7KD
Gerald	KFORBG
James	KD7HZQ
Michael	KK7YDE
Karl	KK7GVK
Jonathan	KJ7LEY
Bill	KI5ZHI
Russell	W2HUR
Stan	W5GZ



# **ARRL 10 Meter Contest At The Corral Of Ken – N7NBV Article by Bill - N7DZ**

We had a great time and very good score compared to our past efforts. We had 13 attendees, including 5 operators. Great to have all that interest and support.

I have to highlight our newest contest op, Helen KE2BPY. She really went from zero to 60 this weekend. Started out fearless and bold, but stumbling just a little. That lasted maybe 5 minutes then she was off to the races. By the end she was holding a frequency, working the pileup, and pulling callsigns out of the weeds. She made a total of 306 QSOs and sometimes her rate was above 100/hr. Kudos to you Helen!

A few stats:

1126 contacts across 163 multipliers (states/provinces/countries)

With double points for CW vs phone, our 1126 contacts became 3688 QSO points, and applying the multiplier, our score is a very respectful 601,144 points.

We worked all but 4 states, 10 of 14 Canadian provinces/territories, and 41 DX entities.

Very big thanks to Ken N7NBV for providing the venue and all the effort to make it work so well for us. Kudos to you Ken.

73 & QRT for the night

Bill N7DZ



***All the photos of the 10m contest, can be viewed at...  
<https://photos.app.goo.gl/4gkq2g3HoyDFjXLs7>***

## RF Burns

Touching an antenna while transmitting with it is never a good idea. Although the hazard with very low power levels such as that of a 5 watt HT transceiver is negligible, higher power levels can produce hazardous conditions for touching a radiating element. You should take precautions against the possibility of your antenna being accidentally touched by a person while you are transmitting.

RF Burns can be quite painful. If a person touching a transmitting antenna, the radio frequency electrical currents can be conducted by the body in seeking a low-impedance path to ground voltage. Human cells die at about 107 degrees Fahrenheit or above, and when contact is made with a strong RF transmitting element the tissues near the point of contact rapidly heat well above this level. In severe cases this can cause an RF burn.

The severity of an RF burn depends upon several factors:

- The strength of the electric field. This is the power output at the antenna where the contact is made. As noted, low power levels do not usually impose burns as the blood flow through tissues can readily carry away the mild heating imposed by low power RF. Higher power levels with stronger electric fields will, of course, impose more severe heating of tissue. Compare touching a 5 watt light bulb with touching a 60 watt light bulb, or a 100 watt light bulb. Although that is infrared heat, the relative comparison with RF energy is similar.
- The frequency. Our bodies are more efficient at absorbing frequencies in the VHF realm than others. So, an RF burn may be imposed at VHF frequencies with lower power levels than at other frequencies. Note that VHF includes the very popular 6-meter and 2-meter bands.
- How well grounded you are. The RF currents will seek a path through your tissue to ground potential. If you are very well grounded, such as standing barefoot in a puddle of sea water, you're going to provide a very nice path to ground and the currents will flow readily, burning your tissues at the contact point where currents are most concentrated.
- How much of your body contacts the radiating element. If you touch the antenna with your fingertip, a high concentration of RF will flow through the small area of your fingertip, potentially causing a severe burn. If you grab the antenna in the palm of your hand, a much larger surface area is in contact with the radiating element, and the RF current will be dispersed through that larger tissue area. The concentration of current in this case is lower, so tissue heating is less severe, but it may still burn you depending upon the other factors listed above. If the antenna is coursing with a kilowatt, you're definitely going to feel it in the palm of your hand (and beyond).

Radio frequency burns can be deep and very painful, much more so than a conventional infrared heat burn. First aid for RF burns is to apply cold water or ice to burned areas and seek immediate medical attention. Of course, prevention is the preferred course. Make sure it is not possible for humans to accidentally come into contact with your antenna, and if the antenna is within reach such as a mobile mounted element on a car, be sure no one is in contact with it before you push to talk.

## Santa On the Air - The Missing Elf



The consensus has been that the holidays just came too quick! They say it was because Thanksgiving was so late in the month. Then, boom, Christmas was here and gone! In a blink of an eye!

We didn't have any families sign up for our regular **Santa on the Air** nets but we were able to take **Santa on the Air - The Missing Elf** to Lemman Academy. Our principal does some crazy little antics as Elf Beardy on the last week before Christmas break. We contacted Santa and Mrs Clause, up at the North Pole via our radio. The kinders and first graders were so excited to hear them!. But I really think Santa was the most excited of all! These two grades enjoyed hearing Santa and Mrs Clause on the air! We prepared them for Elf Beardy! The antics he gets into are just so hilarious! It was a fun little skit and pre-Christmas week! Until 2025!

Angie N7EMB



May your entire problems and sorrows end with the end of this year and all your joys and happiness multiply with the beginning of the New Year..... Sending you bundles of good fortune and loads of hugs to wish you and yours a warm and wonderful New Year! May God bless you.

**Happy New Year!**



**RST** *Radio  
Society of Tucson*

## **Amateur Radio Technician Licensing Class**



**Thursday night classes start  
on 1/9/2025.**

**The Radio Society will be conducting an amateur radio beginner's licensing class starting on January 9, 2025.**

**This class will help the student learn the technical knowledge and government rules leading to acquiring a Technician Class FCC radio license. Much of the class time will spent in hands-on electronic demonstrations. Time will also be spent taking sample FCC tests and explaining test questions.**

**The location will be the Immanuel Presbyterian Church  
9252 East 22<sup>nd</sup> Street.**

**For further information please contact  
*president@rstclub.org.***

**HAM RADIO Operator RV'ers/Tenters...**



# QUARTZFEST\*

## 2025

**What?** Quartzfest® is an annual HAM Radio RV and tenters Boondocking event which is held in late January every year with dates coinciding with the Quartzsite Arizona "RV Show".

**When?** January 19th thru 25th of 2025 (make sure you add these important dates to your 2025 calendar)

**Where?** 7 miles south of Quartzsite Arizona - on US 95 at La Paz Valley Road

**Who Can Attend?** ANYONE! If you don't have your Amateur Radio Operators License yet, you'll be able to take your Amateur Radio Operators License Exams at Quartzfest®

**Cost?** \$5.00 per person for the entire week

Our Annual Amateur Radio "get together" is called "Quartzfest®" and is open to ALL to attend. Quartzfest® is not a club, no officers and no dues...and only costs \$5.00 per person for the entire week of fun!! During the week of Quartzfest®, RV's are everywhere across the desert, as far as you can see...every make and model you can imagine!

There are hundreds of groups that meet in Quartzsite every year in different parts of the desert who share like interests. Our group, Quartzfest®, started out in 1997 as just a few HAM RV'ers getting together, camping in their RV's in the middle of the desert...no power, no running water. Solar Panels and Generators are in use everywhere (Porta-Potties are available for our tent campers and day visitors).

Quartzfest® is similar to a Hamfest but lasts an entire week and is packed full of scheduled Seminars and Activities (no vendors are allowed on BLM land though). Talks range in topics from Genealogy and Crafts for Non-HAM's to Solar Power and Battery Information, Technical information for the seasoned HAM, and introductory information for the new HAM. Also included in the week's activities are Amateur Radio License Testing, Antenna Walkabout (touring other HAM's RV Antenna installations), Solar Walkabout, 4x4 Off Road Trip in the Desert, Prospecting, Campfires (some with musical entertainment), Pot Luck dinner, Hootenanny and lot's more!

We Camp on BLM (Bureau of Land Management) land which is FREE, but you can only camp there for 14 days at a time.

*For more information, drop a note to our  
Quartzfest\* Organizer*

*Kris - KR1SS*

*[kristynweed@gmail.com](mailto:kristynweed@gmail.com)*

*or visit us on the web*

*[quartzfest.org](http://quartzfest.org)*

# Yuma Hamfest

## & Southwestern Division Convention

Yuma, Arizona

Feb. 14 & 15 2025

Yuma County Fairgrounds  
2520 East 32<sup>nd</sup> Street, Yuma, Arizona

[www.yumahamfest.org](http://www.yumahamfest.org)



Check the Website for Additional Information

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Hamfest Dinner & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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**7am SETUP**  
**FREE ADMISSION**  
**TALK IN FREQ. 145.290**  
**GATES OPEN AT 8am**  
**HANDICAP ACCESS**



# HAMFEST

At Valley Presbyterian Church 2800  
Camino Del Sol, Green Valley, AZ.  
March 8th, 2025 from 8am - Noon.

\$5 table setup with fee going to  
the Valley Presbyterian Church.

Bring your own table, chairs & canopy.

[www.gvarc.us](http://www.gvarc.us)



# 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

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.

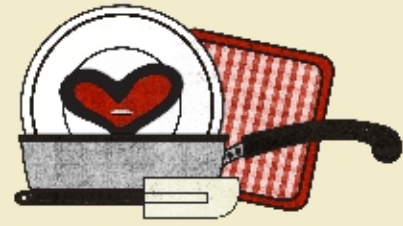
We do a technical question of the week on Wednesday  
and the "Flea Market of the Air on Fridays

**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



# Philly Cheesesteak Pasta

## Ingredients

2 Tbsp. neutral oil, divided  
1 lb. skirt steak or rib eye, thinly sliced across the grain  
1 tsp. Italian seasoning  
Kosher salt  
Freshly ground black pepper  
8 oz. cremini or white mushrooms, sliced  
1 medium yellow onion, thinly sliced  
1 green bell pepper, seeds/ribs removed, thinly sliced  
1 red bell pepper, seeds/ribs removed, thinly sliced  
4 cloves garlic, chopped  
3 1/2 c. low-sodium beef broth  
1 c. half-and-half  
8 oz. cavatappi  
6 oz. shredded provolone



*Courtesy of delish.com*

**Yields: 4 serving(s)**  
**Prep Time: 20 mins**  
**Total Time: 1 hr 10 mins**

## Directions

**Step 1:** In a large stainless steel skillet over medium-high heat, heat 1 Tbsp. oil and swirl pan to coat. In a large bowl, toss steak with Italian seasoning; season with salt and pepper. Arrange steak in a single layer in skillet and cook, undisturbed, until underside is browned, about 2 minutes. Stir and continue to cook, stirring occasionally, until no longer pink, 1 to 2 minutes more. Transfer steak to a large bowl.

**Step 2:** Reduce heat to medium. In same skillet, cook mushrooms, stirring occasionally, until starting to brown, 8 to 10 minutes; season with a pinch of salt. Transfer to bowl with steak.

**Step 3:** In same skillet over medium heat, heat remaining 1 Tbsp. oil. Add onion and bell peppers; season with salt. Cook, stirring frequently, until peppers are softened, 8 to 10 minutes. Add garlic and cook, stirring, until fragrant, about 1 minute more. Transfer to bowl with mushrooms and steak.

**Step 4:** Increase heat to medium-high. Pour in broth, scraping any browned bits from bottom of pan. Stir in half-and-half and bring to a simmer. Add pasta in a single layer and return to a simmer. Cover and cook, stirring occasionally, until pasta is al dente and sauce is thickened, 10 to 12 minutes.

**Step 5:** Stir in provolone until melted. Return beef mixture to skillet and toss until coated.

kiss the  
**COOK**