

# 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



*October, 2020*

## 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

# 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).*

Sat - Oct 17 ..... Showlow Tailgate Swap Meet - Rick W8YBM  
Sun - Oct 18 ..... Making Strides Breast Cancer (Virtual) - N7EMB  
Sat - Oct 31 ..... Tucson Alzheimer - Neighborhood N7EMB

### **2021**

Jan 17-23, 2021 .....Quartzfest - Kristyn Weed KR1SS  
April 10, 2021 .....El Tour de Tucson

**Did you know that you can see the Public Service Opportunities on [soazhamservice.net](http://soazhamservice.net)? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.**

### **WEEKLY EAARS' NETS**

**Every day:**

*Down Under Net - 4:15 am*

*Weather Net - 5:30 am*

**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*

**Saturday:**

*ERC (Emergency Response Communications) Net -8:45 am ,*

*2nd Saturday of the month (20-25 min duration)*

# EAARS Officers and Staff

## Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
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
Angie N7EMB	2nd-4th Sunday
Chris N7JND	3rd-5th Sunday

## ARRL RADIO CONTESTS

**October 2020**

19-23 School Club Roundup  
10-11 EME - 50 to 1296 MHz

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

## New EAARS Members!

Dean K7DSF  
Paul K7AZT  
Chris KI7DET  
Thomas W8TK  
Daniel KL2MB



Karl N7MXO  
Patrick KK7PFB  
Les KJ7QNL  
Randy AG7CZ  
Ross W5NEJ

New Call Ken N7AKL (previous KG7KHY)

# **WB6NVO - Sandy Skinner - SK**

**It is with deep sorrow that I write about another loss. We lost a member of the Gals Night Net and EAARS. We lost our friend, Sandy Skinner, WB6NVO.**

**Sandy was the consummate business professional holding positions from Line Assembler to Production Control Manager and Senior Data Analyst in several Aerospace companies.**

**She was first licensed as a Tech (with code) in 1988, upgraded to General in March 2015, then to Extra in May 2015.**



**Emergency/Disaster Preparedness was a continuing interest of hers, after having been closely involved in numerous forest fires and major earthquakes while living in Southern California.**

**Sandy was very dedicated to her church, assisting in every aspect of participation and support, including Crafting, Choir and Food Bank Ministry of Santa Cruz Lutheran Church in Tucson, AZ.**

**Sandy and her husband Jim (K6BPT) of 32 years, enjoyed the more social activities of being active radio club members and have been members of one or more of them since the 1980's.**

**Sadly, Sandy lost a long and courageous battle with Metastatic Breast Cancer on September 18th. She will be missed by many!**

**See you on the side, babe.**

**"The song is ended, but the melody lingers on."**

**- Irving Berlin**

## Hams Help Find Kids by Monitoring FRS Radios

ARRL - 09/24/2020

Late on the afternoon of September 16, the police department in Post Falls, Idaho, received a 911 call that two juveniles — ages 9 and 11 — were missing from a Post Falls residence for about an hour. According to the report, the pair had left home intending to play in the neighborhood with some Family Radio Service (FRS) radios. Several patrol cars were dispatched to the area to conduct a visual search, and detective Neil Uhrig, K7NJU, responded as officer in charge due to his training and experience with missing persons investigations. The initial search focused on a 2-mile radius from the missing kids' residence.



One officer received information from witnesses that the pair was probably using FRS Channel 1 (462.5625 MHz). An officer returned to police headquarters to retrieve some FRS radios for distribution to the patrol officers, in the event they might be able to hear the youngsters talking.

Uhrig, meanwhile, pulled out his VHF/UHF handheld with the thought of setting up FRS Channel 1 as an auxiliary frequency, but without the manual at hand, he wasn't able to execute the channel setup. But Uhrig did hear the Northwest Traffic Net (NWTN) that had begun at 6:30 PM on the local 2-meter repeater.

Checking into the net at about 6:45 PM, Uhrig explained the missing persons situation to net control station Shannon Riley, KJ7MUA, and asked if net participants in the Post Falls area with FRS capability could listen for the youngsters talking.

A number of stations promptly checked in to say they had FRS radios and were monitoring FRS Channel 1. It was assumed that only stations located near the missing youngsters would hear them, given the limited range of FRS radios.

Not long after 7 PM, Jim Hager, KJ7OTD, reported hearing children talking on FRS Channel 1. Uhrig went to Hager's home to confirm his observation, and the patrol units were redirected to the new search vicinity. A short time later, the missing pair was found safe and returned home.

Uhrig said the most remarkable thing about the incident was that the missing youngsters were some distance from the original search area, and in the opposite direction from where it was expected they might have been headed.

Net Manager Gabbee Perry, KE7ADN, said, "I'm so proud of what a superior job NWTN NCS Shannon and all the operators did last Wednesday. It was a very unusual situation, but everyone had excellent focus and used their resourcefulness to help quickly find the missing kids." — Thanks to ARRL Assistant Idaho Section Manager Ed Stuckey, AI7H

# MARS Communications Exercise will Involve Amateur Radio Community

ARRL - 09/21/2020

Military Auxiliary Radio System (MARS) volunteers will take part in the Department of Defense (DOD) Communications Exercise 20-4, starting on October 3 and concluding on October 26.

The MARS focus is interoperability with ARRL and the amateur radio community. "Throughout the month of October, MARS members will interoperate with various amateur radio organizations that will be conducting their annual simulated emergency tests with state, county, and local emergency management personnel," said MARS Chief Paul English, WD8DBY.

"MARS members will send a DOD-approved message to the amateur radio organizations recognizing this cooperative interoperability effort." MARS members will also train with the ARRL National Traffic System (NTS) and Radio Relay International (RRI) to send ICS 213 general messages to numerous amateur radio leaders across the US. "This exercise will culminate with MARS Auxiliaries sending a number of summary messages in support of a larger DOD communications exercise taking place October 20 - 26," English added.

Throughout October, MARS stations will operate on 60 meters, and WWV/WWVH will broadcast messages to the amateur radio community. English assures no disruption to communications throughout the month-long series of training events.



## Whiskey November Papa: A Tale for Halloween

Had it not been a dark and stormy night I wouldn't even have been in my ham shack. It was Halloween, after all, and ordinarily I'd have been handing out candy to the veritable parade of midget monsters and diminutive divas at my front door; but it was dark and stormy, so eventually I drifted into my radio room.

Knowing that I might have to jump up at any moment to make a run for the front door, I dared not start a rag chew with the big rig; instead I decided this was a good evening to fire up the old antique and hear our bands through the unique circuitry of a 1930-something regen. As the tubes warmed up, I settled into my chair at the vintage operating position in my shack. Gradually the speaker came to life and weak CW signals could be discerned through a bit of low-band QRN. I confess that at first I didn't pay close attention. I simply enjoyed the lack of selectivity in this old receiver that allowed me to hear quite a few QSOs simultaneously, each with their distinctive notes.

Even with my mind wandering amongst thoughts of Halloween and glowing vacuum tubes, I half-consciously started paying attention to the call signs coming through this old radio, a radio, incidentally, that had virtually no band pass filtering. With a radio of this vintage I had to use the same skills as the ancient ones: filtration was provided by the human brain. It takes real concentration to sort out signals and follow a single QSO. Surprisingly, it is possible. After a few minutes it seemed almost natural to select one signal and concentrate solely on that conversation.

So with my attention riveted to one QSO, it was a bit surprising that I gradually became aware of another transmission, a strange wavering signal that drifted in and out of my consciousness. It was always in the background, just a dB or two above the noise floor. Sometimes it was zero beat and a few characters were readily copied. Other times the notes would waver to a higher or lower audio frequency and drift out of my mental pass band.

Suddenly I copied a fragment of code that took my breath away. For a moment the musical note was zero beat and I clearly copied, -1ANA DE WNP.¶ My first thought was that I had missed a few characters. Surely there must have been a W or K in front of the 1ANA; and WNP couldn't be an amateur call: it was missing the numeral. But almost as soon as these thoughts formed in my mind I realized these calls were, indeed, familiar, even famous. Familiar and famous they might be; but equally impossible that I could be copying them!

Fans of early radio know these famous calls. WNP was the station aboard the Bowdoin, the legendary schooner that in 1923 carried the MacMillan Arctic Expedition and established the first radio contact from Arctic explorers in the frozen north. What a revolution! Prior to the Bowdoin's success with radio, Arctic expeditions simply disappeared from public perception for months or even years while locked in the Arctic ice.

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# Ham Radio Clubs Connect Amid Social Distancing

ARRL - 03/20/2020

As college campuses have sent students home to finish their classes online, members of the K7UAZ Amateur Radio Club in Tucson — a student organization at the University of Arizona — have moved their radio club meetings to, well, the radio. K7UAZ Station Manager Curt Laumann, K7ZOO, said that when the university largely shuttered its campus, club president Ken Gourley, KM6BKU, immediately transitioned regular meetings to an on-the-air format using the university repeater. The club already was holding a weekly net on Monday nights, but the added on-air club meetings offer another opportunity to get on the radio.

In recent months, in-person K7UAZ club meetings have hosted presentations on such topics as EME (Earth-moon-Earth) communication and an AMSAT CubeSat simulation. As meetings move on the air, Gourley explained, he will send out a copy of meeting presentation slides so members can follow along. “I will lead the net and start with check-ins,” he said. “We will work our way through the slides, discussing previous events, upcoming activities, the treasurer’s report, projects, etc. I will take new check-ins every 5 – 10 minutes. We will conclude with officer comments and general comments. Hopefully it won’t take more than 30 – 45 minutes.”

ARRL staff member Bob Inderbitzen, NQ1R, who liaises for the ARRL Collegiate Amateur Radio Initiative (CARI), underscores the importance that all radio clubs encourage on-the-air activity in this challenging time. “While I know many businesses and schools have moved to online meetings and learning, I can think of many advantages for a radio club to move club meetings to on-air,” Inderbitzen said. His list includes:

Holding short meetings on the air will encourage individual club members to practice their personal radio communication capabilities. Station and skills readiness are tenets of the Amateur Radio Service.

Nets generally help new radio amateurs gain practical operating experience. Think of this current challenge as an opportunity to encourage your club’s new hams to get on the air.

As online fatigue and a feeling of isolation will inevitably creep into our “new normal,” being on-air will introduce variety into our communication practices. As many of us are now homebound working or studying, turning on a radio to connect with your ham radio peers will be welcome respite!

At K7UAZ, experienced club members provide instruction for members to access the K7UAZ ARC repeater from 2 meters and via Echolink. The club also offers members the opportunity to borrow handheld radios or to be patched in via HF or videoconferencing, if they live too far away from the repeater.

ARRL is encouraging university radio clubs to network with other clubs and students via ARRL’s CARI Facebook group. “Keeping our campus radio clubs going will ensure we are, together, advancing the art, science, and enjoyment of amateur radio. It’s our collective mission,” Inderbitzen said.





# Whiskey November Papa: A Tale for Halloween

*Continued from Page 7*

I couldn't believe my ears. Was this a hoax? Was I dreaming? If a hoax, it was certainly elaborate. The signals sounded authentic. Now I realized why the notes were wavering and musical: they weren't crystal controlled. A transmitter from 1923 would probably be something on the order of a two-tube Hartley oscillator. Frequency was determined by tuned circuits in the output stages; and those output stages included the antenna. Under windy conditions, the frequency changed with gusts of wind.

These signals were wandering around the band such that only my ancient receiver could have picked them up. My modern big rig, even with the filters wide open, would have been way too selective to follow this drift. Listening to the notes, I imagined the cold howling winds that drove these musical tones.

I copied more code: —latitude 79-degrees North....all well aboard the Bowdoin....locked in the ice....ready for the winter lay over....received news from NAA...signals more reliable with the almost continual darkness....

Whether hoax or not, the feeling was electric. I had goose-bumps; and the hair on my neck stood up. I didn't question how. Whatever was happening was beyond reason. I just copied; and my heart went out to these steadfast operators who labored under such challenging conditions to advance the art of radio science and create an ethereal bridge across thousands of miles separating explorers from home and loved ones.

Suddenly, again I was startled. What! That noise? There it was again. Oh, the doorbell. I glanced at my watch: 21:30. That meant the neighborhood teens in their hastily improvised Halloween costumes had arrived to clean up the remaining candy in the bowl. I welcomed their efforts and achieved my goal of getting those sweet temptations out of the house.

Then I raced back to the shack just in time to catch the last couple of characters of this precious, musical signal, —73 OM WNP now QRT.¶ Then there was nothing to be heard but static crashes. The band was dead.

*Post Script: Don Mix, W1TS, the intrepid op aboard the Bowdoin in 1923 and QST Assistant Technical Editor, wrote 114 articles for QST. He first appeared in 1920 under his callsign 1TS; his last article was published in 1968, less than a year before this story-teller joined the ARRL. Mix's true account of the expedition appeared in the November, 1924 issue.*



**HAPPY HALLOWEEN!  
BE SAFE OUT THERE!**

**LET'S MAKE THIS HALLOWEEN SPECIAL FOR OUR KIDDOS!**

# Other Club Stuff

RST holds FREE VE testing on the following dates, 7:00 pm  
at Biscuits Country Cafe, 7026 E Broadway, Tucson.

October 12  
November 9  
December 14

## AMATEUR RADIO TAILGATE SWAP MEET SHOWLOW

Load up your truck  
**\$5.00 to tailgate**  
**FREE to walk-in**

Don't forget your mask



Talk in  
146.76-  
pl162.2

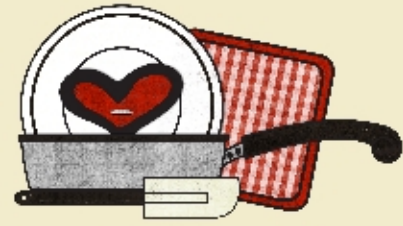
October 17, 2020  
8:00 to 12:00  
Masonic White River  
Lodge #62  
741 E. Whipple Street  
ShowLow

[w8ybm@cablone.net](mailto:w8ybm@cablone.net)

If you live in the Graham or Greenlee County and are interested in a VE Testing session, please feel free to contact the EAARS President, Dave Wells @ 928-965-8327.

Do you have any club news to share?  
It can be posted on this page.  
Send your info to Angie - [emberfire@cox.net](mailto:emberfire@cox.net).

Cooking up  
Some Magic



# Cilantro-Lime Noodles with Shrimp

Yields: 4 servings

Prep: 25 minutes

Total: 40 minutes

## INGREDIENTS

1 lb. medium shrimp (26 to 30), peeled and deveined  
2 tbsp. canola oil, divided  
2 cloves garlic, minced, divided  
1 (1") piece ginger, minced, divided  
1 red bell pepper, seeded, stemmed, and thinly sliced  
2 green onions, chopped  
1 (13.66-oz.) can Thai Kitchen Simply Asia Coconut Milk  
2 tbsp. low-sodium soy sauce  
2 tsp. packed brown sugar  
12 oz. Thai Kitchen Stir-Fry Rice Noodles, cooked  
3 tbsp. lime juice  
1 tbsp. chili-garlic sauce  
1/2 c. freshly chopped cilantro leaves and thin stems,  
plus more for serving  
Kosher salt



*Shrimp and noodles is a classic combo. This easy recipe is weeknight perfection. The creamy coconut sauce is so addictive, you'll want to eat it straight from the skillet.*

## DIRECTIONS

1. In a medium bowl, toss shrimp with 1 tablespoon oil and half the garlic and half the ginger. In a large skillet over medium-high heat, add shrimp in a single layer. Cook until golden on both sides and opaque, about 2 minutes. Transfer shrimp to a plate.
2. Return skillet to medium heat and add remaining tablespoon oil and bell pepper. Cook until peppers are just turning tender, about 2 minutes. Add green onion, remaining ginger and cook, stirring, 1 minute.
3. Add in coconut milk, soy sauce, and brown sugar, stirring to combine. Bring to a boil and add cooked rice noodles and shrimp. Toss over medium-high heat until sauce thickens.
4. Remove from heat and stir in lime juice, chili-garlic sauce and cilantro. Season with salt.
5. Top with more cilantro before serving.

kiss the  
cook

A horizontal row of seven small, solid-colored circles. From left to right, the colors are: brown, yellow, teal, pink, yellow, brown, and yellow.