

# 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



*September, 2018*

## 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!**

## 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).*

Sept 1-3. . . Paradise Special Event-Training

Sept 29. . . RST HamFest

Sept 29. . . Nami Bike Event

Oct 7. . . Tucson Ham Picnic - Angie N7EMB, Chris N7JND, Don KD7UIZ

Oct 19. . . Socorro Amateur Radio Assoc.

Oct 21. . . Making Strides Against Breast Cancer - Angie N7EMB

Nov 10 . . . Alzheimer's Walk - Angie N7EMB

Apr 27, 2019 . Tucson Ham Picnic - Angie 7NEMB, Chris N7JND, Don KD7UIZ

**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*

*NTS Traffic Net - 6:30 pm*

**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 second 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 Sunday
Mike	W7IJ	3rd Sunday
Chris	N7JND	4th Sunday

**Next EAARS Meeting - PICNIC**  
**Sept 15th, 2018**  
**2:00 pm**  
**Discovery Center - Safford, AZ**

RST and Laurel VEC have teamed together to bring to Tucson the first 'FEE FREE" Amateur Radio Testing Service in AZ. RST has been offering FREE exams and fast licensing service since 2012.

**If you are looking to get your Technician License or upgrade, no more excuses! It's FREE! So start studying and we will see you at the next test session!**

All testing dates are on a Monday at 7:00 pm @  
Hardesty Mid-Town Police Building  
1100 S Alvernon, Tucson 85711

September 10, 2018      November 12, 2018  
October 8, 2018      December 10, 2018

**GOOD LUCK! Hear You on the Air!**



# New EAARS Members!

☆  
welcome

**Jeff**      **KF4LGG**  
**Pete**      **N6ETA**  
**Robert**    **KI7RPM**

**totally**  
**awesome**

## General License Upgrade

A General Upgrade Class will begin in September. Below is the important information to add to your calendar.

**Class Begins:** Sunday, September 9, 2018

**Ends:** Will continue for 9 consecutive Sundays, with class ending November 4th, 2018

**Time:** 6:00 to 9:00 pm

**Location:** Hardesty Police Station (Alvernon/22nd)

**Contact Person:** Ken Lesniak, KG7KHY

**Contact Email:** kg7khy@gmail.com

**Costs Involved:** Class and Testing are FREE. Cost for book used in class is \$24 through Amazon

As always, FCC exams administered by RST are FREE, at no charge! The learning class is also FREE. The cost for the book used in the general class is \$24 if bought through Amazon. Contact Ken KG7KHY for more information.

**Good Luck!**

# EAARS 2018 PICNIC

From our Secretary/Treasurer  
Larry N5BG



Announcing the annual **EAARS picnic**, to be held at **Discovery Park** in **Safford** on **Saturday September 15th, 2018** starting at **2:00 pm**. As has been the policy of **EAARS** over the past few years, **this picnic is for current paid up EAARS members ONLY and immediate family, IE spouse/child**. You should know whether or not you are a current member. If any questions in this regard, just ask. Thank you all for your understanding.

EAARS will be furnishing the meat and drinks. We will also provide paper plates and plastic utensils. We suggest however that you bring your own utensils for easier cutting of the meat. If you desire to bring something to share, such as salad, desert, etc that will be fine.

The picnic will be by **RSVP**. Please email your intentions to attend **no later than Thursday, September 6th to Larry N5BG**. Please in your RSVP indicate your callsign, name and number in your party.  
Email: [lgriggs@aznex.net](mailto:lgriggs@aznex.net) Note we require this lead time for placing the order for the food.

Looking forward to seeing some of you.

73, Larry N5BG  
EAARS Sec'y/Treas



**EAARS 2018 PICNIC**  
**Saturday, September 15th - 2:00 pm**  
**Discovery Park**  
**Safford, AZ**

**RSVP no later than Thursday, Sept 6th**  
**To Larry: [lgriggs@aznex.net](mailto:lgriggs@aznex.net)**  
**No If, Ands or Buts, RSVP by Sept 6th!**

**Please feel free to bring a side to share!**

# FCC Grants Temporary Waiver for Hurricane Lane Relief Efforts

ARRL - 08/24/2018

The FCC has granted FEMA, working in conjunction with ARRL, a request to waive current Amateur Radio rules to permit data transmissions at a higher symbol rate than currently permitted to facilitate hurricane relief communications between the continental US and the islands of Hawaii, in response to Hurricane Lane.

This temporary waiver is limited to Amateur Radio operators in Hawaii using PACTOR 4 emissions, and to those radio amateurs in the continental US who are directly involved with hurricane relief communications involving Hawaii, the Commission said.

The waiver petition was a cooperative effort of FEMA and ARRL and represents the strong working relationship the two organizations established following their efforts with Hurricane Maria in Puerto Rico in 2017. ARRL expresses its appreciation to FEMA officials Ted Okada, K4HNL, and Dave Adsit, KG4BIR, for their efforts on this petition.

The FCC's approval of a temporary waiver of section 97.307(f) of the Commission's rules to permit use of PACTOR 4 for amateur communications between the United States mainland and Hawaii related to Hurricane Lane relief is effective through Tuesday, August 28.

A formal order addressing the request for a 30-day waiver will be released next week, according to FCC officials.





# Collegiate QSO Party to Debut in September

ARRL - 08/09/2018

ARRL's Collegiate Amateur Radio Initiative (CARI) will sponsor the first Collegiate QSO Party in mid-September, just as the fall semester gets under way. The new operating event is part of the larger effort to promote a renaissance of Amateur Radio clubs on college and university campuses.

"Discussion of this sort of event has come up in multiple forums at hamfests," the Milluzzi brothers — Andy, KK4LWR, and Tony, KD8RTT, told ARRL. "It gained more interest in the last couple of years and was a hot topic of debate at the ARRL Collegiate Amateur Radio Initiative Forum at Hamvention® this past May. The rules were formulated by current students, faculty, and alumni of collegiate clubs. We are excited to see things materialize and are happy to help organize the event."

The inaugural Collegiate QSO Party will get under way on Saturday, September 15, at 0000 UTC and continue until Sunday, September 16, at 2359 UTC. Using phone, CW, or digital modes, participants will exchange call sign, college or university name, or abbreviation and mascot, and operating class

"Existing contests are great for club activity, but there is a critical need to get collegiate stations on the air early in the semester and drum up attention," Andy Milluzzi said. He said the ARRL School Club Roundup (SCR) has been popular with college students, but it's later in the semester, when college students are more deeply involved with their studies. The Society of Midwest Contesters also created the North American Collegiate Championship in conjunction with the North American QSO Party (NAQP) SSB event. Andy Milluzzi said the Collegiate QSO Party hopes to capitalize on the success of both events.

In a nutshell, the concept is an Amateur Radio operating event that focuses on collegiate Amateur Radio, with the goal of promoting student activity, alumni engagement, and community awareness. The contest is open to all radio amateurs, including school clubs from around the world, the Milluzzis said. There is no explicit bonus for DX and no US-specific awards. Points may be earned by individuals, clubs, and collegiate stations. New hams are welcome and collegiate clubs are encouraged to accommodate newcomers.

Full details on the Collegiate QSO Party will appear in the September 2018 issue of QST.

# Mounting Ham Radio Antennas in the Attic

Often, amateur radio operators are looking for alternative locations to install their antennas. If you live in a space restricted location or are under a HOA restriction, you may be able to mount an antenna outside. This calls for a little creativity; if the space allows, consider mounting your antennas in the attic.

The advantages of mounting the antenna in the attic are twofold. Your antennas will be hidden from view, thereby not raising any issues with neighbors or others that would want to enforce any Home Owners Association restrictions that may be in your neighborhood.

A second advantage to mounting the antenna in the attic is that you will be protected from lightning strikes in the event of severe weather. The house will act as a natural shield and as long as your attic mounted antenna system is independent to the rest of your antennas, lightning won't be an issue. This is great for the amateur radio operator that is providing net control activities during a SKYWARN severe weather activation.

Attic mounted antennas will work just fine and you will receive pretty close to the same results as you would if the antenna was outdoors. Most roofs have asphalt shingles on them, which won't appreciably block RF radiation. If your house has a tin or steel roof, then the attic wouldn't be much of an option.

The only concern with attic mounted antennas is the space available to you for mounting. The KB9VBR 2 meter J-Pole antenna is 6 inches tall overall. You will need a peak in your attic that is tall enough for the antenna to fit. If the top of the antenna touches the walls or roof, the performance may be affected slightly. If your attic isn't tall enough, you could angle the antenna mounting to make it fit. Angling will affect the radiation pattern slightly, so you may need to consider which directions to favor the antenna for the best reception.

Attic mounted antennas are a great solution for amateur radio operators looking for an effective VHF/UHF antenna system installed in a limited or restrictive situation.







# RST

Radio  
Society of Tucson

## TUCSON FALL HAMFEST



**Saturday Sept. 29, 2018**  
**7 AM—11 AM**



**FREE ADMISSION & PARKING!**

**Talk-in Repeater**  
**Frequency:**  
**146.800 MHz,**  
**Tone**  
**156.7 Hz**



**TARGET**



**9615 E. Old Spanish  
Trail  
Tucson, AZ**  
**\*\*\* NORTH PARKING LOT \*\*\***

◊ **Get your  
license or  
upgrade!**  
*Free VE Testing  
on site!*

◊ **Get on the Air!**  
*Demo fun at the  
GOTA Station!*

◊ **Get your ARRL  
Awards!**  
*QSL card  
checking!*

◊ **Get your snack  
on!**  
*Coffee, tea and  
donuts!*

***Seller setup starts at 6:00 AM***  
***All Vendor/Seller Spaces- \$10/space***

### RAFFLE!

**Tickets \$2 ea., 3 for \$5, 7 for \$10!**

#### Prizes:

- ◊ (1st) 50W Dual-band Mobile Transceiver
- ◊ (2nd) Dual-band Hand-held Transceiver

Map and information: <http://www.k7rst.org>



**Alamogordo Amateur Radio Club's  
34<sup>th</sup> Annual ARRL Sanctioned Hamfest  
1 Sept 2018  
Otero County Fair grounds  
7am to 3pm  
Admission: Free!!**

Pre-register for Tables and prize tickets. Tables are \$10.00 ea (if you have your own \$5.00) Electrical at most of the table locations but not all. Plenty of parking, RV's welcome.

Get your prize drawing tickets postmarked before 25 August for \$7.00 (pick up at event) If you cannot make it, tickets will be put in for the Main Prize drawing.

1<sup>st</sup> Prize winner if not present will be contacted to arrange shipping.

Tickets purchased postmarked before 25 August will be eligible for a Re-registration Prize of a \$50.00 gift card or cash. Drawing for this will be before the Hamfest

Prize tickets at the door \$8.00 Tables at the door \$10.00 if available (should be). Pre-register so we can get a good table count.

There is a \$1.00 ticket drawing for a Yaesu FT-60 Dual band hand held at the event. (must be present)

Prize list, 1<sup>st</sup> Icom-7300 All mode HF 2<sup>nd</sup> Yaesu FTM100 Dual Band Mobile 3<sup>rd</sup> Yaesu FT-2980 VHF  
4<sup>th</sup> MFJ 4225 Power Supply

Other Door prizes from Amateur Radio Suppliers and local vendors, drawn throughout the event.

ARRL License testing will be conducted at 12 Noon. Please Bring a photo Id or 2 other forms of ID.

SSN or FRN must be provided. FRN can be established by registering on the [FCC'S website](http://www.fcc.gov) and you won't be giving out your SSN.

Pre-register by Mail:  
Alamogordo Amateur Radio Club  
HAMFEST 2018  
P.O. Box 1191  
Alamogordo, NM 88311-1191  
[www.qsl.net/k5lrw/hamfest.htm](http://www.qsl.net/k5lrw/hamfest.htm)

Contact Hamfest Committee Chair  
Rick Norton KB7SQI' [rick@nmex.com](mailto:rick@nmex.com)  
575-491-4290 call or text  
Vendors can set up day before 31 Aug  
3pm to 7pm

E-mail \_\_\_\_\_ Ph# \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

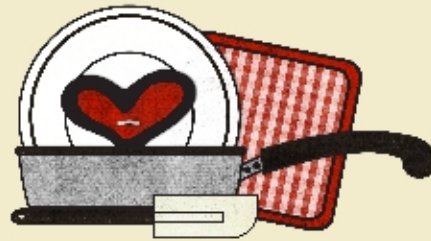
Address \_\_\_\_\_ City \_\_\_\_\_ St/zip \_\_\_\_\_

Prize Tickets Before 25 Aug at \$7.00 x \_\_\_\_\_ = \$ \_\_\_\_\_ Tables at \$10.00 x \_\_\_\_\_ = \$ \_\_\_\_\_

Dinner (pay as you go) How many? \_\_\_\_\_ (CBA) Testing or upgrading (Circle one)



Cooking up  
Some Magic



# Zucchini Tots

yield: 6 SERVINGS  
prep time: 25 MINUTES  
cook time: 15 MINUTES  
total time: 40 MINUTES

Loaded with zucchini and carrots, these tots do not even taste healthy!  
It's the perfect way to sneak in veggies, and it's just so good!

## INGREDIENTS:

2 zucchini, shredded  
1 teaspoon salt  
2 carrots, peeled and shredded  
1/2 cup Panko\*  
2 large eggs  
1/4 cup shredded cheddar cheese  
2 tablespoons freshly grated Parmesan  
1/2 teaspoon dried basil  
1/2 teaspoon dried oregano  
1/4 teaspoon garlic powder  
1/4 teaspoon onion powder  
Pinch of cajun seasoning  
Kosher salt and freshly ground black pepper, to taste  
2 tablespoons chopped fresh parsley leaves

*\*Panko is a Japanese-style breadcrumb and can be found in the Asian section of your local grocery store.*

*\*TO FREEZE: Transfer cooled tater tots to an airtight container. Freeze up to 1 month. To bake, preheat oven to 400 degrees F and bake until heated through, about 15-17 minutes.*

## DIRECTIONS:

1. Preheat oven to 400 degrees F. Lightly oil a baking sheet or coat with nonstick spray.
2. Place grated zucchini in a colander over the sink. Add salt and gently toss to combine; let sit for 10 minutes. Using a clean dish towel or cheese cloth, drain zucchini completely, removing as much water as possible.
3. Transfer zucchini to a large bowl. Stir in carrots, Panko, eggs, cheeses, basil, oregano, garlic powder, onion powder and cajun seasoning; season with salt and pepper, to taste.
4. Form zucchini into tots and place onto the prepared baking sheet.
5. Place into oven and bake until golden brown and crisp, about 16-18 minutes, flipping during the last 10 minutes of cooking time.
6. Serve immediately, garnished with parsley, if desired.\*

kiss the  
cook