

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.



facebook.com/groups/eaars

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



September, 2019

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.*

2019 Events

- Sept 14 EAARS Picnic ---- Discovery Park, Safford, AZ
- Oct 5 Three Points Community Festival ---- George KD7XP
- Oct 6 Tucson Ham Picnic ---- Reid Park
- Oct 19 Tucson Classic Car Show ---- Scott K7ADX
- Oct 20..... Making Strides Against Breast Cancer ---- Angie N7EMB
- Nov 9..... Alzheimer's Walk ---- Angie N7EMB
- Nov 9 Colossal-Vail 50/50 ---- Greg W9GRG
- Nov 9 OVARC Hamfest
- Nov 23 El Tour ---- Cary WB2BSJ
- Dec 1 Vail Mountain Bike Event ---- Greg W9GRG
- Dec 7 Tucson Marathon ---- Mike W7IJ

Did you know that you can see the Public Service Opportunities on 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 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 Sunday
Mike	W7IJ	3rd Sunday
Chris	N7JND	4th Sunday



New EAARS Members!

KF7RCS Casey
KF7RM Radar



totally
awesome

Announcing the annual **EAARS Picnic**, to be held at **Discovery Park in Safford on Saturday September 14th, 2019 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 you have 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 5th to Larry N5BG**. Please in your **RSVP indicate your callsign, name and number in your party**. Please don't call via the radio and say your coming. Too much possibility of error on our part.

N5BG Email: 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 secy/treas

One Dead, One Injured in New Hampshire Ham Radio Tower Mishap

ARRL - 07/31/2019

A tower dismantling turned tragic on Saturday, July 27, in Deerfield, New Hampshire, when two radio amateurs working some 40 feet up on the tower were carried to the ground when the structure collapsed. Joseph Areyzaga, K1JGA, 52, of Goffstown, New Hampshire, did not survive his injuries sustained in the fall, while the tower's owner, Michael Rancourt, K1EEE, 65, was seriously injured and remains hospitalized. Rancourt was taking down the tower in preparation for selling his house, and the pair had nearly completed their work. They were tied into the tower and went down with it as it collapsed.

The tower, a tilt-over model said to be 40 to 50 feet, had been bolted to prevent it from tilting as it was being dismantled.

A law enforcement source said a number of people were at the site at the time for a social gathering as the tower was being taken down, and they witnessed the tragedy.

No official determination has been made regarding the cause of the structural failure, but a radio amateur who visited the scene afterward observed that two of the tower's three legs were clearly compromised and split cleanly and the third leg bent, just above the fully intact tilt base.

The New Hampshire Amateur Radio tower-related fatality is the second such deadly incident in a little more than 6 weeks. In mid-June, a Pennsylvania radio amateur died when the tower he was installing collapsed as he was attempting to attach a guy line to the structure's bottom section.



ARRL Field Day 2019 Attracts Nearly 3,100 Entries

ARRL - 07/24/2019

The 30-day deadline to submit ARRL Field Day entries via app upload and (timely postmarked) USPS mail is now past, and the ARRL Contest Branch reports 3,070 entries have been logged into the system. Last year saw 2,903 entries. ARRL Radio-sport and Field Services Manager Bart

Jahnke, W9JJ, said the total does not include entries postmarked by July 23 and still in transit. A number of entries still show a status of "PENDING." These include 280 incomplete entries that are missing the required list of call signs by band/mode (also known as a "Dupe Sheet"), or a Cabrillo file.



"This requirement is to ensure that claimed contact totals do not include duplicate contacts on the same band and mode," Jahnke said. "These entries, if not complete, may end up as check logs in the final listings."

An additional 191 entries are missing something other than Dupe Sheets. "These entries are complete," Jahnke explained. "Their scores at present are not benefitting from certain bonuses, for which documentation is still outstanding," he said. "Confirmation for entries submitted online using the web app include a link to update your entry. If ARRL generated the entry from paper, or if you are unable to update your entry, submit pending documentation via email, and the Contest Branch will update your entry, assuming that documentation/photos confirm the bonus points claimed."

Updates are permitted until August 23. After that, all entries as of that moment will be considered final. Results will appear in the December 2019 issue of QST. Jahnke encouraged groups to separately submit photos with captions for possible inclusion in QST. Individuals should be identified by names and call signs, and any subject younger than 18 years old will require a signed publication release. Photos should have a minimum resolution of 250 kB.

[Facebook](#)[Twitter](#)[LinkedIn](#)[Reddit](#)[More](#)

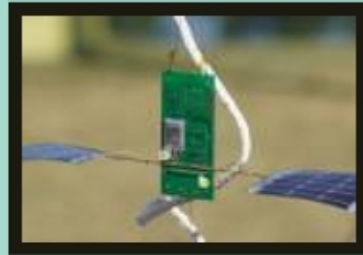
World Scout Jamboree Ham Radio Balloon Crosses Atlantic

ARRL - 08/08/2019

An APRS Amateur Radio balloon, call sign NA1WJ-5, launched from the recent World Scout Jamboree in West Virginia, has floated across the Atlantic Ocean.

The Scouting Magazine blog reports: "You can reach practically any corner of the globe via Amateur Radio. That's the message K2BSA wanted to show Scouts at the World Scout Jamboree. Those in the Amateur Radio association launched four Mylar balloons from the Summit Bechtel Reserve in West Virginia, in hopes that one would catch the jet stream and end up on the other side of the world. One did."

Each balloon, approximately 3 feet in diameter, was equipped with GPS and a ham radio transmitter and solar panels. The combination of devices could relay weather, movement, and location information. Each helium-filled balloon was capable of attaining an altitude of between 28,000 and 32,000 feet — nearly as high as most commercial planes fly.



Ham Radio History

In 1873, James Clerk Maxwell presented his theory of the electromagnetic field. In 1901 Guglielmo Marconi communicated across the Atlantic with a radio device using high power and giant antennas. To curb interference, Congress approved the Radio Act of 1912, which required amateurs to be licensed and restricted to the single wavelength of 200 meters. In 1914 the American Radio Relay League was founded by Hiram Percy Maxim, who found that messages could be sent more reliably over long distances if relay stations were organized. Transatlantic transmitting and receiving tests began in 1921 and by July 1960 the first two-way contact via the Moon took place on 1296 MHz.

Today we're on CW, phone, SSB, FM, packet, TV, PACTOR, PSK31, RTTY, and other modes, bouncing signals off the ground, ionosphere, and the Moon. Hams are active in nearly every country of the world and from ages less than 10 years to more than 100.



Mt Lemmon & Greens Peak Are Alive And Well

On Monday, August 26th, two teams headed off in two different directions to service two of our repeaters.

Team 1 consisted of Larry N5BG and Dan AF7EF who headed to Greens Peak. 146.700

Team 2 consisted of Mike N7CK and Chris N7JND who headed to Mt Lemmon. 147.160

A couple weeks ago, a power supply failed on the Greens Peak repeater which took the repeater totally offline. We would like to give a big thanks to the Greens Peak inspection team that went up ahead of time and were able to install a temporary power supply to get the repeater back online. You all are awesome and THANK YOU. Larry and Dan took up a permanent power supply and installed it on August 26th and all is well now. Snow is not that far away on the mountain tops. So, now is a great time to take care of any needed repairs or maintenance.

At approx the same time as Greens Peak went down, we lost a microwave link between Mt Lemmon and Mt Bigelow which put the Mt Lemmon repeater into "Stand Alone". It was unable to communicate to the hub on Heliograph Peak. While 10 repeaters were linked, Mt Lemmon was on its own. Mike & Chris headed up to the Mt Lemmon site with a replacement microwave radio. But upon arrival, it was quickly determined by Mike that it was not a radio hardware issue, but a "Lost its way" issue and the link was quickly restored.

Much thanks to Father Mike N7CK and Matt AC7IL for going up on Saturday and taking care of the system a second time.

Thanks to ALL that assisted in getting our repeaters back online and another big THANK YOU to our membership for allowing us to keep spare equipment on hand. THIS is what your dues support.



Other Club Stuff

2019 Albuquerque Duke City Hamfest & Convention

Social

Chew the rag with old and new friends, and come to our banquets. Bring the family and enjoy local attractions and our famous New Mexico cuisine.

Banquets

Friday Morning Breakfast
Friday Evening Mixer
Friday Evening Keynote Speaker
Friday & Saturday Luncheon
Friday and Saturday Cash Bar
Saturday DX Breakfast
Saturday Evening Banquet
Sunday Farewell Breakfast

Other Activities

Wouff Hong Induction Ceremony
STEM - Near Space Balloon Mission

Hamfest

Lots on touch & feel

Vendors

Ham Radio Dealers & Distributors
Antennas & Accessories
Component & Parts Dealers
Tools - Test Equipment

Flea Market

Indoor and Outdoor Opportunities
on soil and hay

Amateur Radio Organizations

Amateur Radio Relay League
Quarter Century Wireless Assoc
Straight Key Fellowship Club
and more

JE License Testing

QSL - Card Checking

Ask us at D-3478, check website for updates

Programs

Programs, programs & more!

Five simultaneous forum rooms with topics emphasizing topics of interest to old hams and newcomers alike.

All Day Courses

HF University
ARRL® Academy
EmComm College

Half Day Sessions

SKYWARN® Training

Forum Tracks

Technical/DIY
Digital Operations
Emergency Prep/Public Serv
General Interest
and more!

Prizes/Raffles

Yaesu FT-700 160-6m 700 Watts

Yaesu FT-900DR 7m 70m Mobile

Elecraft KX2 80-10m QRP

Suburban HF-2V Antenna

Anytone D868-DV DMR HT

Elecraft UV-SX3 HT (Yaesu Prize)

Elecraft 602 WebDuo, assembled

Hali Pro Set Elite G

Rig Expert AP-85 Zoom
Antenna Analyzer

Rigol DS102E 100MHz Digital
Oscilloscope with Book - "Oscilloscopes for
Radio Amateurs"

Door Prizes hourly Friday thru Sunday
at 15 minutes on the hour

Featured Speakers:

Roby Hellingwater, KQZDA - Sat night
Banquet - Other Featured Speakers TBD

Rates for 2019

Full Flight with no license 200.00
Registration w/ 5th 275.00
Friday 28 Sat 28th - 4th night 300.00
Friday 28 Sat 29th - 4 nights 400.00
Sunday w/RF - 300.00

Daily Free Tuels (cash) 52.00

Commercial South-Hike South 485.00

Commercial South-Hike/Local 490.00

Commercial Tuels - 8 to 10am 135.00

See Website Vendor Page for details

Hammer

Master Tuels 8 to 10 - 3 days 810.00

Guided 24 hrs - Sat 9 - noon 820.00

10 nights 870.00

Early Breakfast 210.00

Early Night Mixer 240.00

Sunday 20 Breakfast 270.00

Sunday Night Banquet 445.00

Sunday Breakfast 177.50

Hotel Rate - Per night 109.00

RV (Full Hookup) Pay 2, Stay 2 457.00

Duke City Hamfest

& Convention

Albuquerque, NM

September 20-22, 2019

NM State
ARRL Convention



Top of the Line Facility
Isleta Resort & Casino
Conference Center

11000 Broadway Blvd SE

Albuquerque, NM 87105

Smoke Free!

"Best Hamfest & Convention Venue"
uttered by several seasoned hamfest
guests in 2018

Visit our website for current details
Check back as the program develops

www.dukecityhamfest.org

Email: Webmaster@dukecityhamfest.org
to be added to mailing list

Other Club Stuff

RST holds FREE VE testing on the following dates, 7:00 pm at Hardesty Mid- Town Police Building, 1100 S Alvernon, Tucson.

09-Sep-2019
14-Oct-2019
11-Nov-2019
09-Dec-2019

RST Upcoming Days in the Park Events

Sep 14 2019 Morris K. Udall Park
7200 E. Tanque Verde Road
10 AM to 2 PM Talk in on 146.520 FM

Oct 12 2019 AMPHI Neighborhood Park
510 E. Navajo Road
10 AM to 2 PM Talk in on 146.520 FM

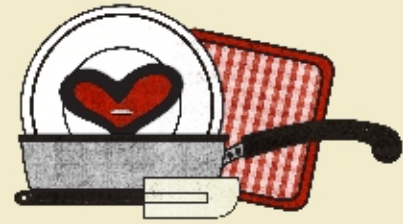
FREE CLASS this Fall
For Technician HAM RADIO License
Join the FUN and TALK to the WORLD
6 Weekly Classes begin Sun., Sept 8, 2019
6:00 PM at Tucson Hardesty Police Station,
1100 S. Alvernon Way, Tucson
email Ken at kg7khy@gmail.com for
full info and a spot in class

Books cost about \$25 each on Amazon

Sponsored by Radio Society for Tucson

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



Chicken-and-Cheese Enchiladas

RECIPE COURTESY OF FOOD NETWORK KITCHEN

Ingredients

1 small red onion, halved
1 1/2 pounds tomatillos, husked and rinsed
1 to 2 serrano chile peppers, stemmed and seeded
1/2 cup low-sodium chicken broth
Kosher salt
Pinch of sugar
8 corn tortillas
3 cups shredded rotisserie chicken
2 1/2 cups shredded mozzarella and/or Monterey Jack cheese
1/3 cup fresh cilantro
2 tablespoons extra-virgin olive oil, plus more for greasing
3/4 cup crumbled queso fresco or feta cheese



Level: Easy
Total: 30 min
Prep: 15 min
Cook: 15 min
Yield: 4 servings

Directions

1. Preheat the broiler. Slice half of the onion into thin rings and set aside. Place the other onion half, tomatillos and serranos on a foil-lined baking sheet and broil until the vegetables are soft and slightly brown, 7 to 10 minutes, turning as needed. Transfer the vegetables and any liquid to a blender, add the broth and puree. Season with 1/2 teaspoon salt and the sugar.
2. Meanwhile, stack the tortillas, wrap in a damp paper towel and microwave just until warm and soft, 1 minute; keep covered. Toss the chicken with 2 cups shredded cheese in a bowl. Spoon a portion of the chicken mixture down the middle of each tortilla. Add a few cilantro leaves and roll up. Place the enchiladas side by side in a lightly oiled 9-by-13-inch baking dish and brush with the 2 tablespoons olive oil. Broil until crisp and golden, 3 minutes.
3. Pour the tomatillo sauce over the enchiladas and top with the remaining 1/2 cup shredded cheese. Return to the oven and broil until the cheese is bubbly and golden brown, 3 to 5 minutes. Garnish with the onion rings, queso fresco and any remaining cilantro.

kiss the
cook