



# EASTERN ARIZONA AMATEUR RADIO SOCIETY INC.



EST. 1974

**Club Address:**

EAARS  
P.O. Box 398  
Solomon, AZ 85551

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

**April 2016**

## The Tucson Ham Picnic

The Tucson Ham Radio Picnic will take place on Saturday April 16th at Christopher Columbus Park, Ramada #4 starting at 11am and goes into late afternoon. One note of change. This is a **“Bring Your Own Picnic Basket”**. Since the local media reminded us that potlucks are illegal in the State of Arizona (*No joke! ed*), we are forced to make a change. This change is in the form of “Bring Your Own Picnic Basket”.

The nice thing is, no lines. Eat when you want.

This picnic is held twice a year in honor of its creator, Terry – KB5B (sk). Terry believed that Hams should meet twice a year to have an Eyeball QSO Picnic. We continue to carry out Terry’s wishes.

This is a family event and ALL Hams and family are invited. Bring your picnic basket with food, drinks, ice, tables & chairs and join us for a day in the park.

RST Radio Days in the Park will be setting up and operating. Please feel free to join them by setting up your own gear.

We will take a group photo somewhere around 1pm.

***No RSVP is required. Just show up.***

Information can be gotten at [www.tucsonhampicnic.com](http://www.tucsonhampicnic.com) which will take you to our Facebook page. You **DO NOT** need a Facebook account to view the page. Just move beyond the sign in request.

Christopher Columbus Park is located at 4600 N Silverbell Road between Grant Road & Camino del Cerro. Talk In is 146.520 simplex. Once at the park, follow the signs.

Look forward to seeing you ALL at the picnic.

Chris – N7JND  
Angie – N7EMB  
Don – KD7UIZ

### 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
- 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

# Planes, ~~Trains,~~ and Automobiles, oh my!

Are you a pilot or airplane freak? If so this is for you!

[www.flychtradar24.com](http://www.flychtradar24.com) is a website that tracks airplanes worldwide using data from a number of sources, including ADS-B and MLAT data collected by enthusiasts like yourself using SDR dongles or other receivers and feeding it to Flychtradar24 servers. The bonus is that as long as you feed data to flychtradar24 you get a Premium account on the website for FREE!

On Flychtradar24 you can see and track information like speed, altitude, path, aircraft type, and much more. You can also get a computer generated, using satellite imagery, 3D view out the cockpit windows! For commercial flights you can see airline data such as time of departure, arrival time, departure airport, destination airport, etc... See if your flight has been delayed in realtime!

Ok, now you're asking 'What in the Samhill does this have to do with Amateur radio?!?' Glad you asked.

You may have seen the same SDR dongles in QST or elsewhere used to receive analog and digital transmissions from HF to 2.4Ghz and above. These transmissions include DMR, P25, D-STAR, LSB/USB, CW, basically any mode you can think of. The same \$20 SDR dongles can be used to receive ADS-B, and modeS-transponder data used in MLAT to feed data to the Flychtradar24 servers and get you that free account.

ADS-B is a newer transponder technology that transmits the aircrafts GPS position and more. MLAT uses the older modeS-transponder data from four or more receivers to triangulate the aircrafts position. Both types use 1090Mhz to transmit (squawk) the data.

For more information:  
[www.flychtradar24.com](http://www.flychtradar24.com).

For more information on setting up and using the SDR dongles:

## 2016 Officers and Staff

[eaarsofficers@eaars.com](mailto:eaarsofficers@eaars.com) to email all officers.

### President

Dave Wells  
N7AM

### Technical Adviser

Milt Jensen  
N5IA

### Vice President

Dan Quaintance  
AF7EF

### Newsletter Editor

Steve Lane  
KY7K

### Secretary/Treasurer

Larry Griggs  
N5BG

### Net Manager

Chris Buchanan  
N7JND

### Site Trustee

Joe Montierth  
K7JEM

### ARCA Rep

Byron McCabe  
AA7BM

### Net Control Operators

Rick KE7EDP  
Bob KD7LMV  
Karl N7DMA

Angie N7EMB  
Chris N7JND

## EAARS Badges

Club badges are now available, see:  
[www.eaars.com/newsletter/badges.htm](http://www.eaars.com/newsletter/badges.htm)  
For ordering information. Show your club colors!



[www.rtl-sdr.com](http://www.rtl-sdr.com) and [www.rtl-sdr.com/adsb-aircraft-radar-with-rtl-sdr](http://www.rtl-sdr.com/adsb-aircraft-radar-with-rtl-sdr)

I highly recommend the RTL-SDR Blog dongles, but you can use any of the R820T dongles from other manufactures such as NooElec too.

# Ham License Testing

**Lighthouse YMCA / ARRL:** First Thursday 7pm  
Contact Matt, AC7IL, [veregistration@ac7il.org](mailto:veregistration@ac7il.org)  
*Lighthouse YMCA*  
2900 N. Columbus Boulevard  
Tucson, AZ

**Oro Valley / ARRL:** First Saturday 10:30am  
Contact [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org)  
*Oro Valley Police Department Emergency Operations Center*  
1920 E Tangerine Rd.  
Oro Valley, AZ

**RST / Laurel (No Fee):** Second Monday 7pm  
Contact Diane, AA3OF,  
[dzimmerman2002@gmail.com](mailto:dzimmerman2002@gmail.com)  
*Pima Emergency Communications Operations Center*  
3434 E 22nd St.  
Tucson, AZ

**Graham / Greenlee / Cochise County Area**  
For no fee VE testing on request, please contact  
Dave, N7AM, [dwells@aznex.net](mailto:dwells@aznex.net)

**Show Low / ARRL:** First Saturday 9am  
Feb, Apr, Jun, Aug, Oct, Dec only  
Contact Jim, W7AZY, [jmmules@frontiernet.net](mailto:jmmules@frontiernet.net)  
*Linden Fire Station*  
6884 Hwy 260  
Show Low, AZ

Send Event and Calendar  
additions to  
[newsletter@eaars.com](mailto:newsletter@eaars.com)

# Future Events

The **EAARS Picnic** will  
be held **September 17** at  
Discovery Park Ranch House in  
Safford, AZ!

Make your plans to attend now!

# Public Service Recruitment

*Tour de Cure*  
*April 17*

Charity bike ride in NW Tucson. Contact:  
Bob Stephens, AF9W, [af9w@bobandgloria.com](mailto:af9w@bobandgloria.com)

See [publicservice.ky7k.net](http://publicservice.ky7k.net) for more events

This site is maintained by Bob, AF9W  
Please send event updates to him at his email  
address listed on the site.

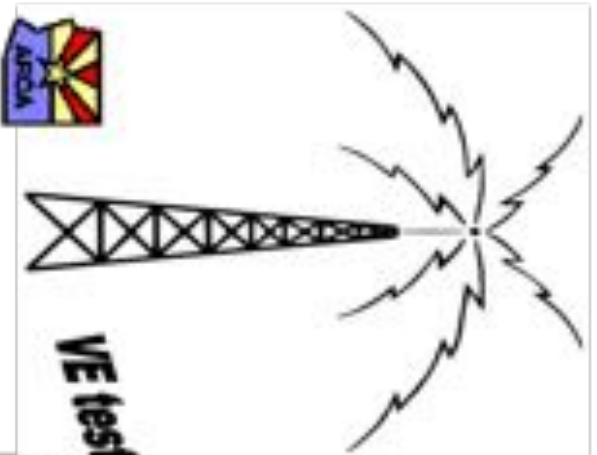


# JUNE 4, 2016

6 AM - Noonish



Contact: K.K.  
kb9sl@yahoo.com  
480-586-6303



VE testing 9AM



## WHITE MOUNTAIN

## HAMFEST

### SHOW LOW, AZ

CITY HALL PARKING LOT

180 N. 9TH ST

Refreshments Available

Tailgaters  
\$5/space



sanctioned event

Talk-in frequency  
145.31 - PL 110.9



Overnight RV camping  
available after 5:30PM Friday

Prize drawings  
hourly and GRAND