



# EASTERN ARIZONA AMATEUR RADIO SOCIETY



EST. 1974

INC.

**Club Address:**

EAARS  
P.O. Box 398  
Solomon, AZ 85551

<http://www.eaars.com>

**September 2013**

## EAARS 2013 Picnic

*The **DEADLINE** is Sept 19 to contact  
Larry, [lgriggs@aznexus.net](mailto:lgriggs@aznexus.net)  
or  
Dave, [dwells@aznexus.net](mailto:dwells@aznexus.net)  
if you plan to attend!*

The annual EAARS Picnic will be on Saturday, September 28, make your plans now!  
The picnic is from 2pm to ??? at Discovery Park (1651 W. Discovery Park Blvd) in Safford. Please bring a dish to share and your own utensils if you don't like plastic.

The club will be providing the meat and a variety of sodas.

A comment on the listed address of Discovery Park. If you put that address into your GPS you will most likely get very annoyed and confused, trust me I know.

To get into the park you will, most likely, need to enter off of S. 20th Ave. Discover Park Blvd dead-ends into S. 20th Ave on the West end, take a left off of Discovery Park Blvd. at S. 20th Ave and you should see the entrance to the park.

Hope to see you at the Picnic on Sept 28th!



## Network Status

No Network issues are reported at this time, but there are rumors that the West Peak and Deming projects are nearing start of construction.

### EAARS OPEN REPEATERS

PL IS 141.3 UNLESS NOTED OTHERWISE

#### HELIOGRAPH PEAK:

- 146.860, 440.700 LINKED
- 146.900 ECHOLINK AND IRLP
- 145.010 PACKET
- 447.825 WITH CLOSED REMOTE BASE  
PL 100.0 OR 141.3

#### JACKS PEAK, NM:

- 145.210 LINKED

#### PINAL PEAK:

- 145.410 LINKED

#### SOUTH MT AT ALPINE:

- 145.270 LINKED

#### GREENS PEAK:

- 146.700 LINKED

#### MULE MT:

- 147.080 LINKED

#### MT. LEMMON:

- 147.160 LINKED

#### GUTHRIE PEAK:

- 147.280 LINKED



# Broadband-Hamnet

( HSM-Mesh renamed )

## Introduction

If you listen to the repeaters in Tucson or Phoenix you might have heard discussion of "The Mesh", or if you are a ARRL member you might have read the article on HSM-Mesh in the July QST and wondered what the buzz was about. I'll try to give a very brief and very simplistic introduction to the newly renamed Broadband-Hamnet.

What is Broadband-Hamnet? It's a project started by some hams in Texas to convert the ubiquitous Linksys WRT54 router into a "Mesh" node. Mesh nodes are able to automatically link and configure themselves with other mesh nodes to form a self-healing computer network. Nodes operate in the 13cm (2.4Ghz) Amateur band. Amateurs can add amps and gain antennas to the routers to cover greater distances.

Basically this means that whenever a mesh node comes into RF range of another mesh node the nodes will automatically connect allowing access to all services offered by each node to the other. If a third node comes into RF range it will automatically join the first two nodes. Each node that connects to the "Mesh" can access the services offered by any other node in the "Mesh". If a node should go out of RF range, all other nodes will automatically reconfigure themselves to keep the mesh connected, this is self-healing.

What services can a node offer other nodes? Anything that a normal computer network can offer: File sharing, webcams, websites, email, outside internet connection, whatever the node owner decides to offer.

There is a effort in both Tucson ( just beginning ) and Phoenix ( [www.phxmesh.com](http://www.phxmesh.com) ) to create a citywide mesh. Why not join the fun or start your own mesh?

This is a VERY basic description of Broadband-Hamnet, please see [www.hsmm-mesh.org](http://www.hsmm-mesh.org) for the real details and jump in with both feet!

## 2013 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

Quentin Kavanaugh  
*N7QK*

### Newsletter Editor

Steve Lane  
*KY7K*

### Secretary/Treasurer

Larry Griggs  
*N5BG*

### Net Manager

Grace Wells  
*KB7CSE*

### Helio Site Trustee

Joe Montierth  
*K7JEM*

### Net Control Operators

Rick *KE7EDP*

Grace *KB7CSE*

Pink *K7ILA*

Jon *W1JTS*

Chris *N7JND*

Bob *KD7LMV*

Join us every Sunday night at  
7pm on the EAARS Network  
repeaters for our Sunday  
Night Net.  
Everyone is Welcome!



# Ham License Testing

There are four monthly VE test sessions in the **Tucson Area**.

*Lighthouse YMCA/ARRL*: First Thursday  
Contact Matt, *AC7IL*, [veregistration@ac7il.org](mailto:veregistration@ac7il.org)

*Oro Valley/ARRL*: First Saturday  
Contact David, *AK2L*, [ak2l@arrl.net](mailto:ak2l@arrl.net)

*RST/ Laurel (No Fee)*: Second Monday  
Contact Diane, *AA3OF*,  
[dzimmerman2002@gmail.com](mailto:dzimmerman2002@gmail.com)

*Jacobs Park YMCA/ARRL*: Third Saturday  
Contact Fred, *K7OFA*, [k7ofa@arrl.net](mailto:k7ofa@arrl.net)

## Graham / Greenlee County Area

For VE testing on request, please contact Dave,  
*N7AM*, and he will arrange it.

## Technician License Class - Tucson

Every Tuesday, 6:30 - 9:00pm at TMC.  
Contact Dan, *KC7VDA* for info. [kc7vda@gmail.com](mailto:kc7vda@gmail.com)

## SEPTEMBER

sun	mon	tue	wed	thu	fri	sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

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



**www.salvage-1.com** buys up surplus lots at auction and re-sells it at attractive prices. The variety is constantly changing, check it out!

## Coming Events

*Near and Far...*

- **ARRL September VHF: Sept 14**  
[www.arrl.org/september-vhf](http://www.arrl.org/september-vhf)
- **EAARS Picnic: Sept 28**
- **Kingman Hamfest: Oct 12**  
[www.kingmanhamfest.com](http://www.kingmanhamfest.com)
- **Arizona QSO Party: Oct 12-13**  
[www.azqsoparty.org](http://www.azqsoparty.org)  
Normal exchanges are back!
- **4x4 Ham Special Event: Oct 19**  
**Titan Missile Museum**  
[www.4x4ham.com/showthread.php?3383-Titan-Missile-Museum-Special-Event-2013](http://www.4x4ham.com/showthread.php?3383-Titan-Missile-Museum-Special-Event-2013)
- **CQWW DX - SSB: Oct 26**  
[www.cqww.com/rules.htm](http://www.cqww.com/rules.htm)
- **Oro Valley ARC Hamfest: Nov 9**  
[www.tucsonhamfest.com](http://www.tucsonhamfest.com)



## 7<sup>th</sup> Annual Kingman HamFest



**Free Admission! To Buy Or Sell!**

This Event Is Sanctioned By The ARRL And  
The Amateur Radio Council Of Arizona

**Saturday October 12, 2013**

The event will be held at Centennial Park in Kingman, AZ

Located at 3333 Harrison St, (Across from the Public library)

At 7:00 AM until 3:00 PM

ARCA will be holding their sanctioned Fall Meeting at 11:00 am

There will be Door Prizes as well as a Grand Prize drawing

Tickets are \$2.00 each or 3 for \$5.00 / Grand Prize Drawing At 3:00 PM

1<sup>st</sup> Yaesu FT-7900 Dual Band Transceiver / 2<sup>nd</sup> Prize Dual Band Base Antenna / 3<sup>rd</sup> Prize Baofeng UV-5R Dual Band Hand Held

There will Be Amateur Radio License Testing at 12:00 PM

Talk In Frequencies

147.240 + Offset PL 123 / 448.550 - Offset PL123

For More Information Visit [www.kingmanhamfest.com](http://www.kingmanhamfest.com)

Or Contact

Bill Smith - 928-303-9857 ([bill1021@gmail.com](mailto:bill1021@gmail.com)) or Kevin Walsh - 928-514-4237 ([kd7hve@msn.com](mailto:kd7hve@msn.com))