



# Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 31 – No. 11 – Nov. 2016

| Upcoming Club Events       |                 |               |   |  |
|----------------------------|-----------------|---------------|---|--|
| Event:                     | Date:           | Time:         | Place:  | Contact/Info:  |
| General Meeting            | TH 11/03/16     | 1900 MST      | PMHMS   | Club Website   |
| Fox Hunt                   | SUN<br>11/06/16 | 1300 MST      | OneAZ Credit Union<br>Parking Lot, GG Wy.<br>& WC Rd. | Pete K6VVR or<br>John WB9VGJ   |
| VE License<br>Examinations | SAT<br>11/12/16 | 0900 MST      | Jeep Posse Bldg.                                      | Don WB7TPH<br>( <a href="mailto:wb7tph@w7yrc.org">wb7tph@w7yrc.org</a> ) |
| YARC FM Simplex<br>Contest | SUN<br>11/13/16 | 1400–1600 MST | 2M or 70 CM   | Don WB7TPH<br>( <a href="mailto:wb7tph@w7yrc.org">wb7tph@w7yrc.org</a> ) |
| YARC Breakfast             | TH 11/17/16     | 0800 MST      | BackBurner<br>Restaurant,<br>Prescott Valley          | Don WB7TPH or<br>Jeff WB7RFY   |

| YARC:                     | Badges                                       | Patches           | Shirts  |
|---------------------------|--|-------------------|---|
| <b>Features:</b>          | Name & Call                                  | Club Name & Logo  | With or Without Name & Call                                       |
| <b>Contact Person(s):</b> | Dan Simpson AE7IH or<br>Erica Simpson KF7MAU | David Hanson W7BJ | Pete Morrison K6VVR   |
| <b>Cost:</b>              | \$7.00 each                                  | \$3.00 each       | Without Name & Call \$20.00<br>— With Name & Call \$24.00<br>each |

**Share Your Surplus Items**

Bring any ham related surplus items that you no longer have a need for and place them on the table outside the meeting room on club meeting nights. Let your fellow club member take those things with them that they feel might be useful to them. The table will be available at each monthly meeting.

## Welcome to the Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliate Special Service Club. The club participates in many activities in the quad-city (Prescott, Prescott Valley, Chino Valley, and Dewey-Humboldt) area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community.

Membership in YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00 per year (full-time students \$15). YARC meets at 1900 MST on the first Thursday of every month in the technology classroom at Prescott Mile High Middle School, 300 South Granite Street in Prescott. Vehicular access to the school parking lot is via the entry at the intersection of South Montezuma Street and Carleton Street. Programs of interest are included as part of the meeting.

[www.w7yrc.org](http://www.w7yrc.org)

YAVAPAI AMATEUR RADIO CLUB – PO BOX 11994 – PRESCOTT AZ 86304-1994

### Club Nets

| Band | Mode      | Frequency             | PL        | Night     | Time     |
|------|-----------|-----------------------|-----------|-----------|----------|
| 2M   | FM        | 147.260 MHz           | +103.5 Hz | Wednesday | 1900 MST |
| 2M   | SSB (USB) | 144.250 MHz           | N/A       | Wednesday | 2000 MST |
| 10M  | SSB (USB) | 28.440 MHz<br>+/- QRM | N/A       | Thursday  | 2000 MST |
| 1¼M  | FM        | 224.080 MHz           | -156.7 Hz | Wednesday | 1930 MST |

### Yavapai County ARES/RACES Nets

|    |    |             |           |        |          |
|----|----|-------------|-----------|--------|----------|
| 2M | FM | 147.260 MHz | +103.5 Hz | Monday | 1830 MST |
| 2M | FM | 145.290 MHz | -127.3 Hz | Monday | 1900 MST |

### Club Repeaters

|    |    |             |           |               |               |
|----|----|-------------|-----------|---------------|---------------|
| 2M | FM | 146.880 MHz | -100.0 Hz | Open Use 24/7 | Open Use 24/7 |
| ¾M | FM | 447.650 MHz | -100.0 Hz | Open Use 24/7 | Open Use 24/7 |

### Club Mentors (“Elmers”)

| Name          | Call Sign | Telephone Number |
|---------------|-----------|------------------|
| Art Protas    | KG6AY     | 928-227-2954     |
| Jim Zimmerman | N6KZ      | 928-713-0542     |

[ask.elmer@w7yrc.org](mailto:ask.elmer@w7yrc.org)

### Club Website Registration

Please register to get on the club's email distribution list and also gain access to the members'-only area of the website. The members'-only area contains the club roster and detailed club treasurer's reports. To register, go to [www.w7yrc.org](http://www.w7yrc.org), click “Join Us” and then select “Registration.” Fill out the requested information, and then click “Register.” The webmaster will then verify your membership and authorize your account. His response is not immediate in real time.



**From the President's Desk ...**  
by Frank Bender, K8FB

During the October general meeting, a motion was made to return the format to the old format of: 1) the business meeting; 2) the break; and 3) the program. The reason for this motion was because many members left the meeting at the break. Since we adopted the current format several months ago, this is the first time that this happened with a significant amount of "escapees" at the break. The motion was defeated because it was felt that the new/beginning hams – who were in a breakout during the vote – and other members, who may have been at the program but left at the break – should have a say in the matter.

Of no great concern to me is the meeting format. However, I do feel that we don't want to constantly change the meeting format. It might be good to stipulate that any major meeting format change remain in place for at least a year or something along those lines.

The board occasionally receives comments regarding how the meetings should be run. With a large club like ours, it is difficult to accommodate everyone's wishes. One recurring comment is about shortening or even eliminating the business meeting. Some people only want to come for the program. I am sensitive to the length of the business meeting and we have done a number of things to shorten most business meetings. However, sometimes there are meetings where a good number of issues need to be addressed.

With an increase in different club activities and with the development of varied club interests over the past several years, I feel that it is important to go over upcoming activities in the business meetings so that members are aware of upcoming events and can ask questions about them if necessary. What may not be of interest to you may be of interest to some other member. Also, critical decisions such as major purchases (over \$300) must be approved by the members during the business meeting.

Let's see what happens with the meeting format change discussion in the November meeting. The board is open to addressing your wants and needs.

**New Members**

The following new YARC members were voted in at the October meeting. Please introduce yourself to them and make them feel welcome.

**Craig Kiggins**  
K17GUS

**Donald Davis**  
KF7RXW

**Robert Stutey**

**Kirk Afflerbach**  
K17GUK

**Roger MacInness**  
K17GUU



David W7BJ

|  | <b>TREASURER'S REPORT</b>        | <b>General</b>     | <b>Repeater</b>   | <b>Prescott Hamfest</b> |
|--|----------------------------------|--------------------|-------------------|-------------------------|
|  | <b>September 2016</b>            | <b>Fund</b>        | <b>Fund</b>       | <b>Fund</b>             |
|  |                                  |                    |                   |                         |
|  | <b>CASH – August 31, 2016</b>    | <b>\$10,778.85</b> | <b>\$2,310.10</b> | <b>\$714.59</b>         |
|  |                                  |                    |                   |                         |
|  | Dues                             | \$252.00           | \$28.00           |                         |
|  | Donations                        |                    | \$15.00           |                         |
|  | 50/50 Raffle - net               | \$81.00            |                   |                         |
|  | Misc. < \$50                     | -\$0.88            | \$0.06            | \$0.02                  |
|  | <b>TOTAL INCOME</b>              | <b>\$332.12</b>    | <b>\$43.06</b>    | <b>\$0.02</b>           |
|  |                                  |                    |                   |                         |
|  | 20 Tech manuals                  | \$269.20           |                   |                         |
|  | Plaque                           | \$89.00            |                   |                         |
|  | Misc. < \$50                     | \$50.04            |                   |                         |
|  | <b>TOTAL EXPENSES</b>            | <b>\$408.24</b>    | <b>\$0.00</b>     | <b>\$0.00</b>           |
|  |                                  |                    |                   |                         |
|  | <b>CASH – September 30, 2016</b> | <b>\$10,702.73</b> | <b>\$2,353.16</b> | <b>\$714.61</b>         |
| ** Detailed statements are posted on <a href="http://www.w7yrc.org">www.w7yrc.org</a>      |                                  |                    |                   |                         |
| Respectfully submitted by<br>David B. Hanson, W7BJ — Treasurer, Yavapai Amateur Radio Club |                                  |                    |                   |                         |

## Minutes of the September 29, 2016 Board of Director's Meeting

Present at Meeting: W7PVA, KJ6KMK, W6TYV, W7BJ, K8FB, WB7PTH and AB9JS.  
Meeting called to Order by K8FB at 1803 MST.

### Old Business:

#### Prescott Hamfest at ERAU

- Held planning meeting with interested club members and new Eagle ARC officers on September 7, 2016.
- Basically one day hamfest on Saturday, June 10, 2017, with flea market held in the morning and seminars beginning in the afternoon.
- Possibly seminars on Friday afternoon, June 9, 2017.
- On September 21, 2016 ERAU contract manager Arlo Chan gave us the go ahead to start reserving dates and rooms/ parking lots. No meetings necessary – will model the new contract on the old one.
- Next Hamfest Committee meeting tentatively scheduled for October 5, 2016. Email invitation will be sent to any interested YARC member who would like to participate.

#### Upcoming Programs – WB7TPH

- October – 2017 Solar Eclipse High Altitude Balloon Project by W7JLC.
- November – Lloyd Halgunseth Memorial Month (2016 Public Service Award) and officer and board elections (president, treasurer, and all board members) – No time for program? Have received the Public Service Award Plaque.
- December – Appreciation Awards – Not much time for program (Possibly SIG breakouts?). Year-in- review slide show and celebration refreshments. Two lifetime membership awards – W6CCD has the award certificates prepared.

#### 440 MHz Repeater Move and Improvements

- NO1D, K7PRS, and K6VVR are tentatively planning a trip up to Mt. Union on October 15 to move the repeater/ antenna and install the amplifier (after the October 1 Man/ Horse Race). K6VVR has fabricated the tower bracket for the antenna.
- Planning meeting to be held at 1800 MST on October 7, 2016 at the Jeep Posse building.

Wireless Microphone for General Meetings – Options – report by W6TYV – No update at this time.

Web Site Blog Capabilities – report by W6TYV – W6TYV is checking into a members-only blog on the website.

#### Member Suggestions

- W7BJ passed along concern by member regarding running business meeting using Robert's Rules of Order. Wants more program and less business meeting. – Board decided that no response is required at this time

Board and Officer Nomination Update – Also additional background consideration discussion. Current nominees:

- Rex Mauldin N7NGM – board member
- Don Bauer WB7TPH – board member
- Art Jackson KA5DWI – board member
- Art Protas KG6AY? – board member
- Ted Bishop KI7FWZ – Treasurer
- Kathy Laing KJ6KMK – President (would need Secretary replacement for the remainder of her term)

President and Treasurer Background Requirement – Additional discussion. Also review of working of board policy, if implemented by board.

– The Board decided that there is no need for background checks. Excerpts of the bank statements are included with the monthly treasurer's report. However it was agreed that a policy needs to be added that an independent audit be performed at least every 2 years. The audit could be done by a club member.

## New Business:

Member Approval of 2017 Budget – Prepared by W7BJ. Board has approved. Presented to membership at September meeting. Brief discussion and vote in October meeting. W7BJ stated that he has received no comments on the proposed budget and the membership should vote in the October club meeting.

Technician Class License Study Sessions – The Eagle ARC at ERAU has asked if we could do a Technician Class study class for about 8 students. K7TSY has agreed to conduct sessions on October 22 and 29. The sessions are being held at ERAU, but are also open to the public.

International Space Station (ISS) – KB7TRE has asked if we could support communications with the ISS for a school in the July 1 to December 31, 2017 time frame. K8FB is working to get someone who would handle the communications. KB7TRE is taking care of submitting the proposal. K7PRS, KJ6KMK, and NO1D have volunteered to help with this event.

Board Approval of Tower Base Purchase – K8FB will be assigned with Jeep Posse Captain Graham Bacheler at the October 1 Man/ Horse Race. K8FB will discuss the feasibility of installing a permanent tower at the Jeep Posse building with Graham and determine next steps if the outcome is favorable. K8FB reported that the Jeep Posse has received a renewal of 10 years on its lease. He will talk to them regarding the installation of a permanent tower.

Public Service Events Chairperson Update – KD7VVBG is moving to Wisconsin to pursue an employment opportunity and will be gone by October 1. We are looking for a replacement. The replacement might not necessarily be in charge of the ARES/RACES MARC vehicle. N7CW will be in charge of providing members of ARES/RACES to drive the MARC for public service events. It was suggested that possibly 2 volunteers would operate the MARC – one for Spring and one for the Fall. This would lessen the burden on having 1 person responsible for everything and having more people able to operate the MARC.  
→ YARC is looking for a Public Service Events Coordinator plus volunteers to manage one or two events each to spread the work load.

Technician Class Study Guides – Order Approval – WB7TPH has suggested ordering Technician Class Study Guides from the ARRL for a discount to have on hand to sell to students. Requesting board to approve expenditure of nearly \$300 to purchase 22 copies at \$13.46 each.  
→ Board approved the purchase of 20 study guides and agreed to charge \$15 per book.

## Additional New Business:

October 15 – Digital Modes Demonstration – W7SUA and W1DGL, 1000 MST at the club station at the Jeep Posse building.

AZ QSO Party October 8th see [www.azqsoparty.org](http://www.azqsoparty.org) .

YARC Local Operating Contest – WB7TPH provided information and the board agreed this sounded like a good club activity. WB7TPH will speak about this at the next general meeting.

Community Preparedness Fair – October 15 at the PV Event Center parking lot. YARC will have a booth – staffed by WB7TPH. The event is sponsored by the LDS church.

YARC Winter Holiday Party – January 21, 2017 – It has been suggested that in place of drawings for prizes that everyone bring a white elephant gift (no gag gifts) for exchange. It is still undecided regarding what to charge for the meals. This will be discussed at the October board meeting. K8FB is to send meal option information to KJ6KMK.

Adjournment: 1925 MST.

## Yavapai Amateur Radio Club, General Meeting

Date: October 6, 2016

### ===== MINUTES =====

Call to Order at: 1900 MST.

Pledge of Allegiance: K8FB led the Pledge of Allegiance

Welcome visitors: KE0GSE; KI7GUM; Clayton and Ryan (elder and younger brothers); and KI7GUB.

Meeting Minutes and Treasurer Report: Motion to approve the August 2016 Treasurer's report and September meeting minutes, as published in the October 2016 Yavapai Signal.

→ Motion to accept the report and minutes made by KE7BSY and seconded by KA7LKW. Motion passed.

New Members – Craig Kiggins KI7GUS; Robert Stutey; Kirk Afflerbach KI7GUK; Roger MacInness KI7GUU and Donald Davis KF7RXW.

→ Motion to accept new members made by AB9JS and seconded by W7PVA. Motion passed.

Elmer Group Purchase Request – N6KZ

→ Motion was made to purchase the equipment for the Elmer group (ICOM 706 MII G, AT-180, and 7 Baofeng hand helds) as requested for \$675. Motion to purchase made by AB9JS and seconded by WB7TPH. Motion passed.

Program – “2017 Solar Eclipse High Altitude Balloon Project” by Jack Crabtree W7JLC.

Break: 1955 to 2010 MST

50/50 Raffle: winning number 2476556 held by WA6FBA. He won \$79.

Elmer Group Report – N6KZ

New/Beginning Ham Breakout from the main meeting– N6KZ

Committee Reports:

YARC Event Communications – Oct. 15 Diabetes Walk – WB9VGJ

Club Repeaters – NO1D – Move of UHF repeater to ARES/RACES hut will take place on October 15.

Fox Hunt – K6VVR– Sunday, October 9, 2016.

School Events – KB7TRE was absent due to illness

Upcoming VE Exam, WB7TPH – October 8, 2016.

2017 Hamfest – K8FB – Planning meeting October 12, 2016 1800 MST at Jeep Posse building; chairperson and committee members needed. Contact K8FB.

Old Business:

November Club Officer/ Board Elections – 3 board members, the treasurer, and the president are up for election for 2017. Elections take place at the November meeting.

2017 Budget Member Approval – The draft budget was discussed at the September meeting by W7BJ.

→ Motion to accept the proposed budget was made by WB6ODR and seconded by KG7YVQ. Motion passed without any objection.

Technician Class License Study Sessions – October 22 and 29 – contact K7TSY.

→ Classes to be held at ERAU in the King Engineering Building Room 132. Classes run from 0900-1600 MST both days.

October 15 – Digital Modes Demonstration – by W7SUA and W1DGL, 1000 MST at the club station at the Jeep Posse building.



New Business:

Public Service Events Coordinator – Patti Halgunseth KD7VBG has moved to Wisconsin. Volunteers to help organize events are being sought.

AZ QSO Party – October 8, see [www.azqsoparty.org](http://www.azqsoparty.org)

YARC Local Operating Contest – WB7TPH explained the rules of the local contest to the club, which have been posted to the club website under “Events”. The first event will be on November 13 from 1400 to 1600 MST. More information will be provided at the November general meeting.

Community Preparedness Fair – October 15 at the PV Event Center parking lot. YARC will have a booth – WB7TPH

NRA Birthday November 17 Special Event – WB9VGJ

YARC Winter Holiday Party - January 21, 2017

Proposed Meeting Format Change – A motion was made by WB7VGJ and seconded by AE7BK to change the format of the meetings to have the business meeting first and the program at the end of the meeting. Discussion followed as to pros and cons of this format. K8FB called for the vote and the motion failed. It was felt that the issue should be decided when more members are present.

A second motion was made to bring this vote to change the meeting format to the full membership that is present at the November meeting. The motion was made by WN7L and seconded by W7PVA. Motion passed. The issue will be presented to the full membership present at the November meeting.

Adjourned: 2045 MST.

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**Digital Modes Demonstration**

On October 15th, Tom Azlin W7SUA, Digital SIG Moderator, and Mike Belanger W1DGL demonstrated a number of digital modes at the club station. Tom and Mike touched on what is needed to get started with digital modes and showed the significant number of different modes that are available using the Fldigi software connected to an external computer sound card, such as a Signalink USB, and an HF transceiver. Tom and Mike demonstrated Fast Simple QSO (FSQ), PSK31, JT65, Olivia, and Slow Scan TV (SSTV) and made several QSOs using these modes.

Tom provided a handout that has been posted to the club's web site Presentation page:

<http://www.w7yrc.org/club-program-presentations/>.

Many thanks to Tom and Mike for putting on this interesting demonstration.

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**Of Interest to New and Beginning Hams**

HT Programming Assistance – Terry Schultheiss KG7BAM will be bringing his laptop to the November meeting to program most handi-talkies (HT) with local repeater and simplex frequencies. If you have the programming cable for your HT, please bring it along.

Breakout Session Postponed - There will not be a new/beginning ham breakout session at the November 3d club meeting. The program will be presentation of the Lloyd Halgunseth WA6ZZJ Public Service Award and the holding of the annual club elections for officers and board members. All members should be present for these two events. The new hams breakout session should resume at the December general meeting.



**Public Service Communications**

**Patti Halgunseth KD7VBG**

We are sad to see Patti Halgunseth leave the area. As you are aware, Patti has transferred to a new position in Wisconsin. We are greatly appreciative of all that Patti has done for the club in organizing and running most of the 14 annual public service events that our club is involved in. We thank Patti for her service to the club and wish her all the best with her transition to a new life in Wisconsin.

**Public Service Coordination**

Patti will be difficult to replace. Bud Semon N7CW and Rob Redford KG7LMI of ARES/RACES are working to provide the MARC and net control operators for most of our public service events. The club is looking for someone to coordinate public service events, plus we are looking for individuals who would like to take on the planning and staffing of one or two public service events. That way we can share the public service events and not have one person take on the entire effort. YARC is an ARRL Public Service Club and these public service events are central to the club's reason for being. If you would like to help plan and organize one or more of these public service events, contact Frank Bender K8FB ([president@w7yrc.org](mailto:president@w7yrc.org)).

**License Testing**

by Don Bauer, WB7TPH

**Our next test session is Saturday, November 12, 2016.**

On Saturday October 8, our test session had 5 candidates. All of them passed! We now have 4 new Technicians and 1 new Extra. Congratulations to all for a very successful test session. And a big "Thank you!" to all of our volunteer examiners for their dedication and service—without whom we would not have our wonderful testing program.

**Upcoming License Testing**

| <b>Date</b> | <b>City</b>     | <b>Location</b>                                 | <b>Time</b> | <b>Sponsor</b>           | <b>Contact</b>                | <b>Walk-in</b> |
|-------------|-----------------|---|-------------|--------------------------|-------------------------------|----------------|
| 11/12/16    | Prescott        | Jeep Posse Building                             | 0900 MST    | YARC                     | Don Bauer<br>928-775-4690     | Yes            |
| 11/22/16    | Prescott Valley | Trinity Lutheran Church,<br>3950 N. Valorie Dr. | 1830 MST    | Prescott Valley Ham Club | Jim Scherfling<br>928-632-205 | Yes            |
| 01/14/17    | Prescott        | Jeep Posse Building                             | 0900 MST    | YARC                     | Don Bauer<br>928-775-4690     | Ye             |





### General Meeting Programs

October Program - 2017 Solar Eclipse High Altitude Balloon Project by Jack Crabtree W7JLC. Thanks to Jack for the very informative program about the 2017 total solar eclipse and what several Arizona university students are doing to take advantage of the August 21, 2017 event.

November Program: Lloyd Halgunseth WA6ZZJ Memorial Month – Public Service Award and club board of directors and officer elections.

December Program (Tentative): The year 2016 in review; volunteer appreciation and celebration; and Special Interest Group (SIG) breakouts.

### YARC Volunteer Opportunities

Contact Frank Bender, K8FB ([president@w7yrc.org](mailto:president@w7yrc.org)) if you are interested in helping out in any of these or other areas.

| Opportunities                                     | Descriptions   |
|---|--|
| Public Service Event Coordinator                  | The club needs someone to coordinate the public service events.  |
| Yavapai Hamfest Chairperson and Committee Members | We are looking for a chair person and committee members for the 2017 Prescott Hamfest.   |
| Elmer Group Helpers                               | The club has a very active Elmer Group consisting of core members Jim Zimmerman N6KZ and Art Protas KG6AY. If you would like to help out Jim and Art and have antenna installation skills, contact Jim N6KZ. You can also be of help if you have a specialized skill such as programming frequencies into radios, digital communications, or other similar skill. You can help out on a regular basis or be called upon when your specialized skill might be needed. |
| 2017 Field Day Chairperson                        | We are looking for someone to coordinate our 2017 Field Day weekend operating activities. We usually have lots of helpers for this operating event on the last full weekend of June.   |
| 2017 Picnic Chairperson                           | Our annual club picnic is held on the Saturday of Field Day (last full weekend of June). We are looking for someone to coordinate this event and see if we can find a "chef" to equal or top the 2016 picnic menu.   |

**NRA Special Event Operation**  
by John Broughton, WB9VGJ — [wb9vgj@arrl.net](mailto:wb9vgj@arrl.net)

YARC will be sponsoring a special event operation on Thursday, November 17, 2016 to celebrate the 145th birthday of the National Rifle Association. We will be operating from Gunsite Academy using one of the radio shacks of Gunsite's owner, Buz Mills K7GST, for the phone portion of the operation. This year, the CW portion of the operation will be conducted from the home stations of a couple of operators due to the unavailability of the Jeep Posse building. We will be using the call sign K7NRA. Mike Campbell of Clarkdale is generously letting us use his call sign as he has done in the past.

The operating hours will be from 0800 to 1700 MST. All YARC members are welcome to participate. You will find Buz's radio shack to be interesting.

The listing for the special event is in the November issue of QST and is on the ARRL's website (Just enter K7NRA in the call sign box to search for the entry) at:

<http://www.arrl.org/special-event-stations>

There is more detailed information on the YARC website about the event:

<http://www.w7yrc.org/nrabirthday>

This year we will have the ability to provide certificates via email for hams who work us. If you would like to come and participate, please bring a folding chair. The club will be supplying some food, but you can also bring whatever snack, lunch and drinks (non-alcoholic) that you would like. There is a refrigerator available in the shack and a bathroom.

Buz's address is 3300 West Ravengard Road. Here are the directions to the operating location:

- 1) Take Rt. 89 north to Rolling Hills Rd. (at about the 335 1/4 mile mark).
- 2) Turn left on Rolling Hills Rd. and then turn right at the top of the rise (you'll see a small Gunsite sign with the raven on it) and follow the road to Gunsite.
- 3) After entering through the Gunsite gate and when you get to the Gunsite buildings, stay on the road and bear left (actually, straight ahead) instead of turning right in to the facility. Stay on this road for about one mile to 3300 (It is well marked.).
- 4) Turn right at the 3300 marker and follow the lane to the gate. Press the call button at this gate and it will be opened (It may already be open.). The barn is under the big tower at the top of the hill. Drive through the gate and straight up the hill to the barn. The coordinates of the turnoff for 3300 are:

**34 51.606N 112 32.081W**

Be aware that the speed limit on Rolling Hills Rd. is only 25 mph and it is reported the police keep an eye on speeders. It is too easy to drive faster than that, as it is a rural paved road.

If you need to contact us for directions on your way in, we'll be on the VVARA (147.220 MHz, PL +162.2 Hz) repeater. If the repeater is busy, you can call on 147.420 MHz simplex, or you can call me on my cell phone at

**928-830- 5997.**

I encourage any and all YARC members to participate in this event if possible. Please contact me if you have any questions. The past events have been a lot of fun. Buz is a great host and there was a lot of socializing as well as operating.



**October 2016 Foxhunt**  
by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, October 8th. Bob WB6ODR; Linda KD7EEO; and Robert WA6FBA were the foxes. The foxes chose Stricklin Park – between Sherwood Dr. and Hassayampa Village Lane – to hide the transmitters. For this hunt, there were two secondary transmitters instead of the usual one.

Each fox was sitting comfortably in a folding chair, one near each transmitter, so they could easily monitor the hunters and see just when they found each transmitter. Having the two secondary transmitters on the same frequency did not seem to pose a problem as the distance between them was sufficient to allow the hunters to zero in on each one.

There were two teams for this hunt:  
Jeff WB7RFY and John WB9VGJ;  
and  
Pete K6VVR and Frank KF7ANX.

The results of the hunt were:  
1) Jeff WB7RFY and John WB9VGJ 1 hour;  
and  
2) Pete K6VVR and Frank KF&ANX 1 hour and 15 minutes.

**Note:** Pete was very close to the primary transmitter and heading straight for it when the transmitter stopped transmitting.

The foxes chose good hiding places, putting the primary transmitter behind a large rock under dead limbs and pine needles. They brought out the small log with a cutout in it for the transmitter, used in a former foxhunt, for one of the secondary transmitters. They stood it up at the base of a bush making it difficult to notice. The other secondary transmitter was on a pine tree limb. It is interesting how many hunters don't tend to look up when they are close to a transmitter.

You can see pictures of the hunt here:

<http://tinyurl.com/YARCFoxhuntOct2016slideshow>

We had our usual after hunt socializing session at the Prescott Junction restaurant.

We would encourage more folks to get involved in the hidden transmitter hunts. They are really fun and help develop direction-finding skills.





Sherwin WB7NFX

Ernie K7POF

**Community Preparedness Fair — October 15, 2015**

by Loren Singh, AE7CG

Local Yavapai County quad-cities radio amateurs were well-represented at the Community Preparedness Fair held in the parking lot of the Prescott Valley Event Center on Saturday, October 15, 2015. The fair is an annual event sponsored by the Prescott Valley Arizona Stake of the Church of Jesus Christ of Latter-day Saints.

There were three ham radio informational booths at the fair: 1) a general information booth about ham radio staffed by church members who are licensed hams; 2) a booth staffed by Yavapai Amateur Radio Club volunteers offering information about upcoming license examination preparation classes; and 3) an information booth about the Community Emergency Response Team (CERT) program in Yavapai County.

Among the local hams I met staffing the various booths were: Sherwin WB7NFX; Ernie K7IOG; Frank NØSCA; Bill W7PVA; Don WB7TPH; and Eric W6RIJ.





Art KG6AY

### **This Month's Featured Ham: Art Protas, KG6AY**

by Pat Oliver, K7DUC

Art Protas, KG6AY grew up in New Jersey. He got his Novice license WN2EAE in 1962 followed by his Technician license WB2EAE. Art moved to the Los Angeles area in 1970. At that time the FCC required that the amateur call match the call district of the residence. He was issued WA6QLY. Shortly after moving, he upgraded to General, Advanced, and then Extra class and was issued his present call sign, KG6AY.

Other members of his family are also hams. His mother, at age 75 and blind, got her General ticket and operated well into her 90s before passing away at the age of 100. His wife Mara, N6IXJ; their two children; and his brother are also licensed.

Art operates on 6 meters, 10 meters and basically all bands except 80 and 160 meters. He does not participate in contests, but really enjoys Field Day. He doesn't operate on CW at this time. His primary radio is a Yaesu FT-DX1200 and his antenna is a DX-88 vertical. He also has an FT-847 and an AL-811 amplifier.

Art is a member of ARES/RACES. His chief interest at present is his role as an "Elmer" – working with new hams acquiring equipment and antennas, setting up stations and troubleshooting problems. Many new hams have purchased radios and don't know what to do with them. He tries to speak to them prior to their buying equipment. He encourages them to attend classes for new hams which are held at the Jeep Posse building.

Art's background includes getting a BS in Electronic Engineering Technology at Northern Arizona University. He worked as a power systems electrical field engineer for General Electric in the Los Angeles area. Art retired from GE after 40 years of service, and then moved from the Los Angeles area to Prescott, Arizona. He has resided in this area for two years with his wife Mara. They were married in 1972.

Through his very active role as an Elmer, he has effectively contributed to YARC's increased membership. Art feels that the club is progressing really well under Frank's leadership, and that we should continue to do what we are doing.



**W7YRC 2M FM Net — 147.260 MHz, PL +103.5 Hz — Wed., 1900 MST**  
**NCS = Net Control Station**

| Call   | Name     | 09/21/16 | 09/28/16 | 10/05/16 | 10/12/16 |
|--------|----------|----------|----------|----------|----------|
| AE7CG  | Loren    | NCS      | NCS      | NCS      | NCS      |
| K6VVR  | Pete     | x        | x        | x        |          |
| K7DCT  | Andrew   | x        |          | x        | x        |
| KA5DWI | Art      | x        | x        | x        | x        |
| KF7ANX | Frank    | x        | x        | x        | x        |
| KF7FPD | Jerry    | x        | x        | x        |          |
| W7OTB  | Vince    | x        |          | x        |          |
| KF7PQV | Dan      |          |          | x        | x        |
| KG6AY  | Art      | x        |          | x        |          |
| KG7EWD | Patrick  |          | x        |          |          |
| KJ7WED | Bob      | x        |          |          |          |
| W7HAM  | Ralph    | x        | x        | x        | x        |
| WA6AQK | Ken      | x        | x        |          |          |
| WN7E   | Tom      | x        | x        | x        |          |
| KI6AHH | Tony     | x        | x        |          |          |
| W4LTX  | Pudge    | x        |          |          |          |
| KG7RGG | Dottie   | x        |          |          |          |
| KG7DKG | Georgene | x        | x        |          |          |
| KG6IDN | Joe      | x        | x        | x        |          |
| W7PVA  | Bill     | x        | x        |          |          |
| NO1D   | Doug     | x        |          |          |          |
| KK7KEN | Ken      |          |          | x        |          |
| NØSCA  | Frank    |          |          |          | x        |



## Should U.S. Ham Tests Bee Given Abroad?

by Dan Romanchik, KB6NU

A couple of weeks ago, I received an e-mail from a reader who wanted my opinion about a thread on the HamRadioHelpGroup mailing list. The e-mail that started the discussion was a message from an American living in Italy who wanted to take the Technician Class exam. In her e-mail, she told of her troubles finding a test session, and then when she did find one, what she perceived as "irregularities" in the testing process. Reading the thread was a little disconcerting, and I blogged about this issue (<http://www.kb6nu.com/u-s-amateur-radio-license-exams-given-outside-u-s/>).

I understand why foreign national would go to the trouble of taking the U.S. license exam. Some of them even buy my study guides. About a year ago, for example, I swapped some e-mail with a guy from Malaysia about why he purchased my study guide and why he wanted a U.S. license. He said that it was because a neighboring country offered reciprocal operating privileges to U.S. licensees, but not Malaysian licensees! He mentioned that he tested for the license in Thailand.

Basically, my Malaysian friend was using the U.S. licensing process to circumvent the Malaysian licensing process. Australians seem to do this, too. Apparently, according to one of the VKs who commented on the thread, getting a U.S. Tech license is easier than testing for an Australian Foundation license. So, some Australians get a U.S. Tech license first, then get the Australian government to issue them a VK Foundation license based on the reciprocal operating agreement between the U.S. and Australia.

Another reason that some outside the U.S. obtain U.S. amateur radio licenses is the challenge. That's the reason Martin Butler, M0MRB/W9ICQ, of ICQPodcast fame, gave when I spoke to him about this recently.

Are these reasons "good enough" to continue this program of licensing non-U.S. citizens? My first reaction was that no, it's not good enough, and I questioned whether or not the ARRL VEC should sanction non-U.S. VEs and whether or not the FCC should even allow testing outside of the United States.

I didn't see the need for conducting these test sessions or the desirability (to the U.S.) of licensing foreign nationals. I reasoned that not only was there a greater possibility of test fraud, this program could lead to foreign authorities claiming that the U.S. was meddling in their affairs.

This post garnered a lot of comments. Several of them took me to task for voicing this opinion and were in favor keeping the current licensing program in place. There were a variety of reasons.

One of the reasons in favor of using the U.S. licensing process is that in many countries, amateur radio license exam sessions are not very frequent. Another is that they often are quite expensive. This creates an artificial barrier to getting an amateur radio license. Using the U.S. licensing system breaks through this barrier and allows many more to enjoy amateur radio.

Of course, for everything to be on the up and up, the foreign authorities would have to condone the use of U.S. license tests. Apparently, this is the case in Thailand and Australia. I don't know about Italy, but I'm guessing that the authorities there don't really care about Italians obtaining U.S. licenses.

Perhaps the best comment came from Thida, HS1ASC/KH6ASC. He noted that the tests in Thailand were administered very strictly, and says, "The U.S. may lose some call signs, but what the U.S. and U.S. hams get from us is goodwill, very positive feeling. Everyone who gets U.S. license is so proud, and others look at them respectfully." Since Part 97.1(e) lists as one of the purposes of amateur radio, "Continuation and extension of the amateur's unique ability to enhance international goodwill," I'm now all in favor of offering U.S. ham tests abroad.

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Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com, and you can contact him by e-mailing [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com). When he's not pondering the vagaries of the U.S. licensing system, you'll find him working CW on the HF bands.



### Breakfast and Lunch Gatherings

There are a number of lunch and breakfast gatherings in the area that are open to all radio amateurs and interested persons. Please let us know of any updates or corrections at [info@w7yrc.org](mailto:info@w7yrc.org) .

**Third Thursday** of the Month – **YARC** holds an informal **breakfast** gathering at the **BackBurner** Restaurant at 0800 MST. The restaurant is at 8400 Long Mesa Drive in Prescott Valley. Contact Don Bauer WB7TPH or Jeff Hanna WB7RFY.

**Second Tuesday** of the Month – **Quarter Century Wireless Association (QCWA)** brunch gathering, 1030 MST to 1230 MST at the **Golden Corral** Restaurant in Frontier Village in Prescott, off Highway 69. You do not have to be a QCWA member to attend.

**Every Monday** – **Dan Nichols Memorial Lunch**, 1100 MST to 1230 MST at **roving locations**. Contact Bob Rosevear WB7RRQ, 928-458-7830, [rosevear520@cablone.net](mailto:rosevear520@cablone.net); or Bob Smith WB6ODR, 928-443-9321, [lrsmith@cablone.net](mailto:lrsmith@cablone.net) for the next location.

**Every Wednesday** – **Breakfast** at 0700 MST at the **Manzanita Grill** at the Antelope Hills Golf Course, near the Prescott airport.

**Every Wednesday** – **Lunch** – 1100 MST at **Costco** — “The Umbrella Club”



### 447.650 MHz Repeater Move

On October 15th, the club's UHF repeater was moved to the ARES/RACES shed and tower. 7/8-inch hard-line coax; the new tower bracket; the Scala antenna; lightning protection; the repeater; and the transmitter amplifier have been moved and installed and are now back up and running. The repeater is now putting out about 60 watts of power and the C4FM digital mode is now turned on. The repeater will automatically switch from FM to C4FM as it detects a mode change.

The height of the antenna is about the same, but the antenna is now side mounted on the ARES/RACES tower. It is possible that the tower may have adversely impacted the radiation pattern. Initial reports indicate that the signal strength and sensitivity of the repeater are down. Doug NO1D feels that there is an intermittent problem that is causing the repeater performance to be way down from where the initial performance tests were after the installation. Doug plans to get back up on Mt. Union within the week to isolate what the problem is.

The output of the repeater now has a 100 Hz PL tone. If you don't have a Yaesu Fusion radio and don't want to hear the digital signals, you can set your receiver to only come on when it decodes the 100 HZ PL. Depending on your radio, this feature might be called Tone Squelch, sometimes full CTSS, or Decode Squelch. Refer to your radio's manual to set this feature.

Thanks to Doug Theriault NO1D; Pete Morrison K6VVR; Bud Semon N7CW; Art Protas KG6AY; Rex Mauldin N7NGM; John Laing K7PRS; and Ted Bishop KI7FWZ for their efforts in completing this complex and difficult task.

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| Vice President  | John Stevens   | AB9JS            | <a href="mailto:vice.president@w7yrc.org">vice.president@w7yrc.org</a> |
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| Secretary       | Kathy Laing    | KJ6KMK           | <a href="mailto:secretary@w7yrc.org">secretary@w7yrc.org</a>           |
| Director        | Donald Bauer   | WB7TPH           | <a href="mailto:w7tph@w7yrc.org">w7tph@w7yrc.org</a>                   |
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**Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective March 31, 2016**

| <b>Name:</b> | <b>Call:</b> | <b>Lic. Class</b> | <b>Notes:</b>   | <b>Telephone:</b> |
|--------------|--------------|-------------------|-----------------|-------------------|
| F. Bender    | K8FB         | E                 | YARC President  | 379-5575          |
| P. Morrison  | K6VVR        | E                 | W7YRC Trustee   | 899-8555          |
| B. Semon     | N7CW         | E                 | Elmer Group     | 771-8267          |
| J. Zimmerman | N6KZ         | E                 | Elmer Group     | 713-0542          |
| A. Protas    | KG6AY        | E                 | Elmer Group     | 227-2954          |
| D. Freeman   | KV8TD        | E                 | N7GMH Trustee   | 759-0958          |
| D. Bauer     | WB7TPH       | E                 | VE Chair        | 775-4690          |
| R. Dashiell  | W6TYV        | G                 | Dual Member     | 602-501-2571      |
| J. Grimm     | KD7RMV       | T                 | Dual Member     | 759-0747          |
| D. Hanson    | W7BJ         | E                 | Dual Member     | 602-615-3444      |
| R. Mauldin   | N7NGM        | E                 | Rotating Member | 216-2637          |
| M. Belanger  | W1DGL        | E                 | Rotating Member | 420-0498          |
| R. Redford   | KG7LMI       | G                 | Rotating Member | 227-1586          |
| A. Jackson   | KI6AHH       | G                 | Rotating Member | 562-644-0528      |



