



YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 24 – No.10 • October 2009

From The Presidents's Desk ...



Hello to all! As all of you know, Bob (spelled with one "o") resigned as President for Personal and Medical reasons. We wish Bob and his family nothing but the best, and hopes he keeps in touch as time permits. This unexpectedly moved me from Vice President to President. As the New President I will strive to guide the club, and broaden our scope into New, Fun and Exciting areas of Amateur Radio.

YARC has a great Board Of Directors and staff; with their support, and the support of the membership, the club will continue to move forward and accomplish any goals we set. The tape measure beam antenna, built during the August meeting was a good start. I would like to do more worthwhile projects during the meetings as time permits. Now you have a working antenna, get out and use them, and/or gather the other items you need for T-Hunting. This avenue of Amateur Radio is both FUN, EXCITING and EDUCATIONAL.

Aflac? No...AZ-WAC! Arizona Worked All Counties. YARC has the exclusive and distinguished honor of handling, organizing and sponsoring the ARIZONA, Worked All Counties Awards for the ARRL. This is a tremendous Plus for the Yavapai Amateur Radio Club, many thanks to Mary (AB7NK).

The club is extremely busy with all the new and existing activities we are involved in. With Team Effort from the membership, coupled with the support of the Board Of Directors, I feel confident we can accomplish all of our goals.

Thank You!

Pete K6VVR



YARC Officers for 2009

President Pete Morrison, K6VVR pm_service@earthlink.net	Vice President Jim Ball, WB7UZV
Secretary Jeff Hanna, WB7RFY jeff668@commspeed.net	Treasurer Mary Vince, AB7NK ab7nk@ARRL.net

Board of Directors (includes Club Officers)

- Terry Pemberton -- KB7TRE
- Tom Griswold -- N6LSA
- Richard Bozeat -- KE7DTR
- Walter Schumann -- KF6SPS

Newsletter Editor: Joe Oliver, AC6AA
joliver@cableone.net

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Membership Count:

1st Thurs. in August.....181
Gain/Loss.....-5
1st Thurs. in September...176



* Includes 0, 3-Month Memberships

Welcome to the Yavapai Amateur Radio Club

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

Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/year (Full-time students \$15). The YARC meets at 7:00 p.m. local time on the first Thursday of every month in the Technology Room 404, at the Granite Mountain Middle School, 1800 Williamson Valley Road in Prescott. It is about ½ mile north of Iron Springs road, and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting.

The weekly Net is held every Wednesday at 7:00 p.m. local time on 146.880- repeater. All amateurs are invited to participate, and visitors are always welcome.

The Yavapai County ARES/RACES Net is held on Monday nights approximately at 7:00 p.m. local time on the 145.290- repeater on Mingus Mountain. A PL of 127.3 is required.

Club Repeater

The YARC 146.880- repeater is located on the hill above Willow Creek road and requires a PL of 100.0 Hz. Our deepest gratitude to Bill Kafka, W2YAV for allowing us to acquire the original club repeater.

Minutes of August 25, 2009 Special Board Meeting



By written request in compliance with Article VI, Section 5 of the By-Laws, a special meeting of the Board of Directors was called to order at 1530 hrs. by the Vice-President, K6VVR. Also in attendance: KB7TRE, KE7DTR, N6LSA, AB7NK, WB7RFY, & KA7JAS.

E-mail, sent to all board members on August 18, 2009 by W7TQJ was presented. "I do hereby resign as President of the Yavapai Amateur Radio Club due to medical and personal reasons. Sincerely, Bob Erdmann – W7TQJ". Discussion and concerns discussed, on motion of N6LSA, second of KE7DTR and no dissenting, resignation of W7TQJ was accepted. By this action, K6VVR assumes position of President, and vacancy of Vice-President is created. Substantial discussion ensued on filling this vacancy. Review of last program prompted suggestion of hands on programs 2-3 times annually due to positive response and request of members. By agreement, Board meetings will start now at 6:00 pm before the general meeting, and attempt to close at 6:30 p.m. The club was approached in July to sponsor an Arizona worked all counties award, entailing design, production, formulation and administration. Samples of application, rules, and award prepared by AB7NK were presented for review. On motion of K6VVR, second of N6LSA, and no dissenting, board agrees to pursue final arrangements and present to membership at next meeting. Not addressed at last board

meeting due to time issues. On motion of KB7TRE, second of K6VVR, and no dissenting, club to establish a centennial committee specifically to begin preliminary work combining schools, kids, and amateur radio, activating capitol, past capitol, and counties. Upcoming schedule and commitments were reviewed.

Meeting adjourned at 1655 hrs, on motion of KB7TRE, second of K6VVR, and no dissenting votes.

Minutes of September 10, 2009 Board Meeting

Meeting was called to order at 1810 hrs. by the President, K6VVR. Also in attendance: KB7TRE, KE7DTR, N6LSA, AB7NK, WB7RFY, & WB7UZV.

Motion to appoint Jim Ball, WB7UZV to vacancy of Vice President made by AB7NK, second of N6LSA, passed with no dissenting votes.

Program for tonight has changed from Zepp antennae to video on BS7H/2007. Part 2 will cover October program, with rest of year still open. G6NYH may fill one slot. KE7DTR presented list of program suggestions. August hands-on program was great success; will try to have similar a few times a year.

AZ-WAC in final design by AB7NK; several award layouts reviewed. Starts October 1st, 2009. Announce to membership.

Tabled discussion on website refinement may require new software. President reported on recent meeting with webmaster. Ongoing.

Tabled discussion readdressed as to disposition of Hamfest funds. On motion of AB7NK, second of WB7UZV &

no dissenting, Granite Mountain Middle School will be recipient.

AB7NK will retrieve packet from KF7BVK; thanks offered for all efforts in finalizing site plans. Agreed to redirect funds previously used on gifts and entertainment to one or more larger prizes.

Point of Order: August minutes reflect an open motion. Considerable discussion, lack of procedure noted, was not addressed by the chair, and thus must be ruled out of order. Unanimous agreement that a joint board meeting is desirable and would benefit communication between clubs.

Meeting adjourned at 1859 hrs. on motion of KE7DTR, second of KB7TRE, and no dissenting votes.

General Meeting Minutes of September, 10 2009

Meeting was called to order at 1903 hrs. by the President, K6VVR.

Following the Pledge of Allegiance, introductions were made.

Attendance: 66 of whom 56 signed in. Visitors included KD7DUE, KE7TWQ, N7NGM, KD7AGL, & Vi Hughes.

Minutes of August 6, 2009 meeting, on motion of K7POF, second of KD7VVBG, and 1 dissenting vote, minutes approved as published. On later redress, Board minutes of August 6, 2009 are amended to show presentation of check for \$316.02 from VVARA to GMMS occurred during that meeting. On motion of KD5VJH, second of KA7LKW and no dissenting, amendment is accepted. Misunderstanding on initial comment as being same topic as tabled at August 6, 2009 meeting and addressed at September 10, 2009 Board meeting. Presi-

dent announced that Board tonight voted to assign Hamfest operation monies to GMMS.

New Members: On motion of WA6ZZJ, second of KD7VVBG, and no dissenting, Harold Berthold, KC7BPI & Peter Genereaux, (pending), were accepted into the membership with applause.

Treasurer: AB7NK reports starting balance of \$4616.98, ending balance of \$3525.11, and repeater fund balance of \$779.92. On motion of KA7LKW, second of KD7VVBG & no dissenting, report accepted as read.

COMMITTEE REPORTS:

ARES/RACES: WA6ZZJ reported on busy schedule ahead. Praised participation on sign-up sheets last month that has staffed 4 consecutive weekends of activities. Slots are still open however. KD7VVBG offered details on Groom Creek event September 26th.

Newsletter: AC6AA reminds those who read the newsletter online; please do not take a printed copy.

IRLP: W7JLC reports up & running.

PIO: WB7RRQ requests materials for publication be sent to rosevear520@cablone.net.

VE: AB7NK reports next session on Saturday, October 24th at Embry-Riddle, 9:00 am. Walk-ins OK, but prior notice appreciated at ab7nk@arrl.net.

Patches: Treasurer has two sizes available at \$3.00 each and decals for \$ 1.00.

SHIRTS: W6CCD has 3 club shirts left; time to replenish supply. On motion of WB6ODR, second of KD7VVBG, & no dissenting, W6CCD will order a re-supply.

BADGES: Available thru WB6ODR for \$ 6.75.

REPEATER: Working well, WB6ODR reports.

CLASSES: W7JLC currently has 26 signed up for one day technician class on October 10th at Embry-Riddle. Will be advertising along with October 31st class by VVARA in Cottonwood, at the County Fair. If anyone has current Technician book, class is in need. jscra@cablone.net.

ELMER: KA7JAS has several items: W6VJA donated a tower & beam, KD7NFX has provided a tri-bander, & AB7YR has given a Heil mic set-up that is available to high bidder tonight. See Neil for more information on any of these items. ka7jas@arrl.net.

REFRESHMENTS: K6VVR noted expanded spread thanks to KI7JZ; as always, please recycle.

SCHOOL CLUBS: Bradshaw Mountain MS now has 14 enthusiastic, excited members. KE0GE is assisting. Saturday Technician classes later in year proposed. Thanks to W7JLC for offering to assist with training. Anyone wishing to assist youth in PV area contact n5ro@arrl.net. Granite Mountain MS boasts 11 members, all progressing well. Embry-Riddle has installed new TA-33 antenna, 6-meter beam and dual band ground-plane on the campus. New freshmen are really interested. AD7ZJ has been elected President for this term; he has won a National Science Foundation grant scholarship that will restrict his evening hours. West Yavapai Education Fair will be held Sept. 17th from 5-8 pm at the rodeo grounds. Schools are cooperating to show amateur radio to students, teachers, and parents.

Nets: Young hams of Yavapai County, 147.22+ 162.2 pl Sundays at

7:00 pm except holiday weekends. KI6AHH encourages all to check-in. **Slow-Code:** 146.88- 100.0 pl Sundays about 7:30 pm. WB7UZV explained that modulated cw can be accomplished simply by keying your mic and using a separate code oscillator. There are many more listening than participating; do check-in. Code practice disks are available for additional practice; see WB7UZV. **Club Net** every Wednesday, 7:00 pm on 146.88- 100.0 pl needs net control for October, and has several open months in 2010 available. Excellent for skills & fun practice; contact wb7rfy@arrl.net or ab7nk@arrl.net .

Fox-Hunt: First mobile hunt today had minimal participation. W7JLC & AD7ZJ were first to find and will now hide for next event. Look for upcoming date on a Saturday. Suggests at least 2 person teams on mobile hunts for safety. Comments to pm_service@earthlink.net .

Philanthropic: KB7TRE thanked all who contributed to ongoing 'bring a can' to benefit Yavapai Food Bank; very good effort tonight.

OLD BUSINESS:

Road Rally: WB7RRQ reports same route as past years, but start time is earlier. Oct. 2 & 3; sign up at www.prescott rally.com . rosevear520@cablone.net .

County Fair: KV8TD & W7JLC, noted first night of fair is also next club meeting. Th-F-Sa hours are 10am to 10pm, Sunday until close. List is filling but need more volunteers, please sign-up. Will have HF, VHF & UHF stations for you to operate & demo. Set-up assistance also needed on Wednesday. W7JLC acknowledged as 'super-recruiter'.

NRA Birthday: Special event station K7NRA will again be held at Gunsite Academy November 17th from 8-4. All welcome and encouraged to attend, visit, & operate. All will have an excellent experience. wb9vgj@arrl.net .

Re-announced **Arizona QSO Party** being held October 10 & 11. Info at <http://www.azqsoparty.org> .

NEW BUSINESS:

K6VVR reported to the membership that W7TQJ left the Presidency by resignation on August 18th. A special Board meeting was held subsequent and K6VVR assumed the Presidency, creating a vacancy of Vice-President. The Board tonight has appointed Jim Ball, WB7UZV as Vice-President. On motion of KA7LKW, second of WA6ZZJ, and no dissenting, the membership acknowledged this

appointment. W7TQJ & KF7BVK were wished well and thanked for their service to the club.

AZ-WAC: YARC has accepted challenge to re-introduce the Arizona Worked All Counties Award which has not been available since 1997. There is pent up demand, and will be an ongoing, international award. AB7NK has taken lead to design and has volunteered to administer. Will be available via e-mail at no charge or printed for \$5.00. Award will be operational on October 1st, 2009. Look for continued progress at the AZ-WAC page on our website.

Tonight's Program: is first half of video on contentious BS7H DX-pedition to Scarborough Reef in 2007. Conclusion will be October program.

50/50: \$ 55.00 was won by James Ellzey, KE7JEQ.

On motion of KB7TRE, second of KV8TD and no dissenting, meeting was adjourned at 2019 hours.

Respectfully Submitted,

Jeff Hanna, WB7RFY
YARC Secretary

VE Tidbits



by Mary Vince – AB7NK

VE TESTING

Saturday, October 24, 2009
9:00 A.M.

Embry Riddle University
3700 Willow Creek Rd
KETC Bldg #72 Room #126

To pre-register send an
email to ab7nk@arrl.net

For more information check the club
website at www.w7yrc.org
click on the VE tab.

This Month's Featured Ham

By Pat Oliver, K7DUC



Jim Zimmerman, N6KZ

Jim received his Novice license (WN7OLU) in 1970 after having been a short wave listener (WPE7CXA) first. He was 15 years old at the time.

Jim operates on all bands from 70 cm to 160 meters. He works CW, Sideband, Packet, and some RTTY. He prefers CW, but enjoys Sideband and FM as well. He is an avid DXer. Jim operates in some contests, such as CQWW, CA QSO Party, and expects to be active in the AZ QSO Party in October. He likes to operate on DXpeditions to IOTAs (Islands On The Air). He also is active on the local Repeaters.

His equipment includes a Yaesu FT-980 Transceiver, ICOM IC-706 MKIIG, and various handhelds. His antennas are a Hy-Gain TH7, a Hy-Gain 402, and a Diamond vertical.

Jim's most memorable contact was with Owen Garrett, W5LFL, an astronaut on the Space Shuttle. His last CW contact was on 6 meters with Hawaii in June 2009.

Jim has built many Heathkits and Knight kits, but his primary interest is in constructing antennas.

He was the "L" section manager for the ARRL W6 QSL Bureau in California, handling about 1000 cards/month. He turned over his position when leaving California. He currently is a League appointed ARRL card checker for DXCC and various other awards.

He is a member of the Yavapai County ARES and also a member of the Central AZ DX Association.

Jim has several degrees, starting with a BS in Mechanical Engineering from NAU, followed by an MS in Applied Engineering from the Air Force Institute of Technology, an MS in Military Science from the Air Command Staff College, and an MBA from the Military Systems College.

Jim was born in Traverse City, Michigan. After high school he joined the Air Force and was employed for a combined 37 years on active duty, reaching the rank of Lieutenant Colonel and GS14 as a civilian. He is now retired completely (with an emphasis on "completely"), and currently only does volunteer work for the League. He retired from Southern California to the Prescott area in April 2009.

He is married with two daughters and two granddaughters.

You may have met Jim at a hamfest, checking QSL cards. He has checked cards for the club and for other hams requesting his service.. He has been a member of our club for several years. Since moving to Prescott he has become more visible, valuable, and active in YARC. ■

Engineer Humor

An engineer was crossing a road one day when a frog called out to him and said, "If you kiss me, I'll turn into a beautiful princess". He bent over, picked up the frog and put it in his pocket.



The frog spoke up again and said, "If you kiss me and turn me back into a beautiful princess, I will stay with you for one week." The engineer took the frog out of his pocket, smiled at it and returned it to the pocket.

The frog then cried out, "If you kiss me and turn me back into a princess, I'll stay with you and do ANYTHING you want." Again the engineer took the frog out, smiled at it and put it back into his pocket.

Finally, the frog asked, "What is the matter? I've told you I'm a beautiful princess, that I'll stay with you for a week and do anything you want. Why won't you kiss me?" The engineer said, "Look I'm an engineer. I don't have time for a girlfriend, but a talking frog, now that's cool!" ■

Yavapai Amateur Radio Club

August 16 - September 10, 2009

Income/Expenses

INCOME

8/16	KE6JZD	Lynn Fielding (patches)	204	15.00
8/31	KC7FRA	Dewey Shirley R	214	20.00
9/10	no call	Peter Generaux N	2584	20.00
9/10	KC7BPI	Harold Berthold N	3863	30.00
9/10	AD7ZK	John Bednarik R	cash	20.00
9/10	KF7NFX	Jim Miller R	cash	20.00
9/10	KF7NFX	Jim Miller (patch) R	cash	3.00
9/10	W7JLC	VVARA ½ Fair	6933	45.00
9/10	W7MHW	Ken Line R	cash	20.00
9/10	AE7AT	Katie Line R	family	0
9/10	K6VVR	headset donation		75.00
9/10		50/50	cash	110.00
9/10	KF6OLN	Steven Murray/2 shirts	3166	44.00
9/10	KD5VRW	Roger Nash R	cash	20.00
9/10	KE7WOU	Don Haden (ARRL&R) R	1032	59.00
9/10	KD7ACS	Szczepan Barthold R	cash	20.00
9/10	KB7CH	Jack Hanny R	cash	20.00
9/10	KV8TD	Doug Freeman R	1680	20.00
9/10	K7DRV	Doreen Freeman R	family	0
9/10	N7RIS	Richard Strick (sticker)	cash	1.00
9/10	AD7FW	Roy Jackson(ARRL) R	2465	<u>34.00</u>
Total Income				\$ 598.00

EXPENSES

9/10	K6UWV	Dave Passell – refreshments	1103	31.04
9/10		Allegra	1104	30.18
9/10	KE7JEQ	Jim Ellzey / 50/50	cash	55.00
9/10	KB7TRE	GMMS – hamfest proceeds	1105	<u>316.02</u>
Total Expense				\$ 432.24

Beginning Balance	\$ 3,525.11	Aug ending repeater balance	\$764.92 **
Sept Income	<u>598.00</u>	September repeater fund	<u>36.00</u>
Sub Total	4,121.11		

Expenses <432.24>

General Fund Balance \$3,688.87 Sept. repeater fund balance \$800.92

Net Profit \$ 165.76 ** \$15.00 addition error last month – corrected and noted in records



By Lloyd, WA6ZZJ

organizers put a super effort into this year's event and had several local groups involved supplying donations of, money, food, drink and person power.

Amateur operators involved included: AB7NK, KE7WOQ, WB7RRQ, KI7JZ, AE7BK, WB7UZV, AD7WW, KC7CBK, W6CCD and WA6ZZJ.

ARES/RACES.....

TRAINING MEETING.....

The next ARES/RACES training session is scheduled for **Saturday, November 14, 2009**. This will also be our annual Simulated Emergency Test (SET) so it will be important to have as many members available as possible.

A report on this session will be submitted to the ARRL when the event is completed.

Plans are being formulated and more information will be forthcoming.

SPECIAL EVENT COMMUNICATIONS.....

Upcoming Event...

Saturday, October 17th the Step Out to Fight Diabetes Event. **John, WB9VGJ, is in charge of communications for this event.**

This event is conducted on the Yavapai Prescott Indian Reservation and there are usually plenty of goodies to eat before the walk starts.

If you have not already signed up to participate, there will still be time to do so at the October YARC meeting.

THE MARCH OF DIMES MARCH FOR BABIES.....

Communications for the March of Dimes March for Babies went very well on Saturday, September 12th. The weather was ideal and the walkers were eager to get out and help raise money for the March of Dimes.

There were ten amateur operators involved to communicate between Net Control, the MOD Van and three locations where volunteers had refreshments for the walkers.

There were approximately 165+ walkers in the event and \$30,000.00 was raised for the March of Dimes. The MOD



165+ Walkers starting in the MOD March for Babies

TOUR DE PEE VEE ½ MARATHON.....

On Saturday, September 19th the weather was once again ideal when communications were provided for the 7th annual running of the Tour De Pee Vee ½ Marathon, 10K, 5K and Two mile run/walk in Prescott Valley.



Awards being handed out at the Tour DE Pee Vee Event

See ARES/RACES, Page 8

• ARES/RACES (Continued from Page 7)

For this event there were thirteen operators involved to communicate between Net Control located at the Start/Finish in the Prescott Valley Town Center and seven locations where volunteers had refreshments for the walkers. The organizers appreciated our communications assistance and they are looking forward to our help again at next year's event.

Amateurs involved in this event were: KD7VBG, AB7NK, WB7UZV, AD7WW, KE7DTR, AD7UR, KE7IXS, KE7VWN, N7PJN, AE7BK, KC7CBK, KE7WOQ and WA6ZZJ.

I want to thank to all who participated in making communications for these events a success. With events happening four weekends in a row several members have stepped up to participate in each one of them.

We hope "special event" communications never becomes "emergency" communications, but this service offers all of us the opportunity to prepare for emergency service while helping our community in the process. It is also an excellent way for us to show people what ham radio is all about and what fun we have with it. ■

Need Cards Checked for ARRL Operating Awards?



Jim Zimmerman, N6KZ can check your QSL cards for DXCC, WAS, VUCC, WAC, etc.

For information contact Jim at:
(928) 713-0542.

Jim's QTH is at: 778 Grapevine Lane,
Prescott, AZ 86305.

Upcoming Events

- September 26, 2009 - Groom Creek Classic.
- October 1 - 4, 2009 - County Fair
- October 2 - 3, 2009 - Prescott Road Rally.
- October 10, 2009 - Technician Class at Embry Riddle.
- October 10 -11, 2009 - Arizona QSO Party
- October 17, 2009 - Step Out to Fight Diabetes Event.
- October 24, 2009 - VE Testing at Embry Riddle.
- November 17, 2009 - NRA Birthday Special Event Station.

Amateur Radio License Class Announcement

Yavapai County Amateur Radio Clubs are pleased to announce a free Amateur Radio License course to be held on Saturday, October 10th, 2009. This course will consist of an intensive one day session that will cover the material required to pass the FCC license exam for the Technician class license.

The location for this course will be at Embry-Riddle Aeronautical University (ERAU), room 126 of the King Engineering and Technology Center (KETC), Building 72, 3700 Willow Creek Road, Prescott, Arizona. The course will start at 8:00 A.M. and will complete about 4:30 P.M. There will be a few breaks and a half hour for lunch.

This license class is sponsored by the ERAU Eagle Amateur Radio Club and the Yavapai Amateur Radio Club. There is no cost for the course.

The recommended but optional text book for this course is *The ARRL Ham Radio License Manual*, 1st edition, 2006-2009. A quantity buy discount will make the manual available for \$20.00 (normally \$24.95). Note the ordering deadline is September 29, 2009. Textbook details are available from www.arrl.org.

Exams for all license classes will be conducted on October 24, 2009. The cost of the license exam is \$15.00. The exam session will be held at 9:00 A.M. at the same ERAU location as described above. Additional details of the exam will be made available to those attending the course.

Registration for this class is requested. You may register by sending an email to the address below. You will be placed on an email list, which will be used to disseminate further information, campus maps, and updates.

Jack Crabtree, W7JLC

Volunteer Instructor Coordinator

Prescott, AZ

928-771-2344

Why Learn and Use CW?

by Bill Weinhardt, W9PPG

Reprinted with author's permission

What in the world can I say about operating CW? These were my thoughts upon learning that I was supposed to write a column about CW operation for this newsletter. It occurred to me perhaps putting down my thoughts as to why I choose to operate the ham bands using this obsolete method might be interesting.

Is CW obsolete? It certainly is. Army, Navy, and Air Force MARS no longer have CW nets for message traffic. This is handled by more efficient digital communication techniques. Ships at sea and marine shore stations no longer maintain a CW watch on 500khz (The international distress frequency). Ship message traffic is pretty much all handled through satellites with digital communications. I have been told the military no longer requires CW training for their radio operators.

"If you insist on operating CW, why don't you hook up one of your computers to your radio equipment and let the computer do the mundane work of copying and sending CW?" Some have suggested this.

These things went through my mind as I wondered what I could say in a column about operating CW. So why do I operate CW? My number one answer is that I am hooked on it, I suppose in the same way that someone who likes to ice fish is hooked on that. Why get all bundled up and go out in the miserable cold and try to catch a fish when it could be done on a nice warm day or better yet buy a fish in a store and not have any of the bother?

Another reason that I enjoy operating CW is that it keeps the human element in ham radio. CW requires some amount of skill that a person must develop. Much the same as one who enjoys carpentry and building furniture develops the skills to do so even though it would be easier and quicker to buy the furniture assembled and finished. I guess there is a certain amount of pride in one knowing that he or she has developed the skill to do something fairly well, but there is the ever present challenge of knowing that you could be even better.

Then there is another reason. I live in town and after we moved here 5 years ago, I didn't get around to putting up a very elaborate antenna system. While the tower and beam are one of the projects I intend to get to sometime, I still use a

rather simple wire antenna that was meant to be sort of ... well temporary. On top of that, I don't use a lot of power. My transceiver puts out 100 watts on a good day and I don't own an amplifier. I've had all the parts to build one for over 20 years and still haven't gotten around to it...well you get the picture. Operating SSB on the crowded HF bands with these constraints can be challenging and even frustrating to say the least (particularly on 75, 40, and 20 meters).

On CW, I can get on the air and either call or answer a CQ, make an interesting contact or two with someone anywhere in the world, and not be insulted because of my less than 50 over S9 signal or be told to get off of someone's "private" frequency. CW operators tend to be more polite and considerate than many of the operators in the voice segments. After spending the day at work dealing with people problems and problem people I would rather not do that on the ham bands.

Then there is my final reason for operating CW. I have a short QSO with my father every morning before I leave for work. He lives about 100 miles from Bluffton and is nearly 89 years old now. We have kept this daily sked for several years. His hearing is very bad so he has trouble understanding what I am saying on SSB. The pure CW tones are much easier for him to detect.

Dad's memory is not what it used to be and keeps getting worse but he can still send and receive CW pretty darn good. In fact I think the brain work involved in sending and receiving CW has kept his mind sharper than it would be otherwise. (A clinical study of the therapeutic value of this kind of mental activity among those developing memory problems might show some interesting results.) Until we can get him moved to Bluffton, we will continue these daily schedules.

This sums up why I operate CW almost exclusively. To me it is fun. In future columns I will get into some other aspects of CW operation so stay tuned.

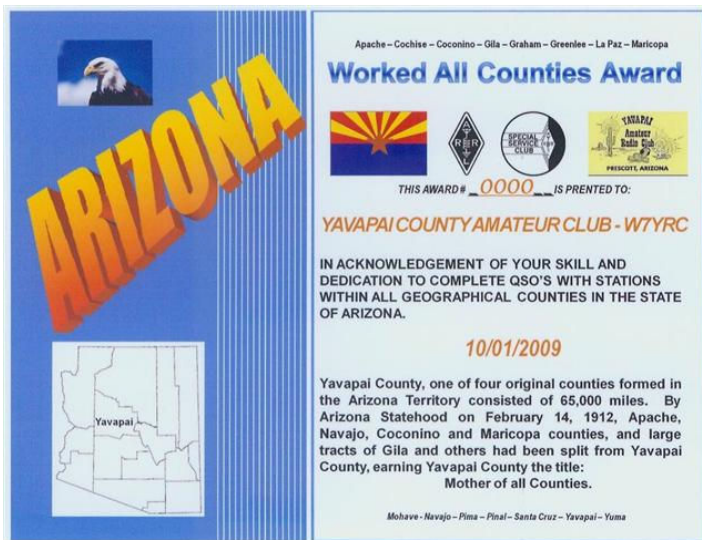
73's...W9PPG

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Recreation of Arizona Worked All Counties

By Mary Vince, AB7NK



Last July at the Williams Hamfest, Neil and I were asked if we thought the club would be interested in sponsoring Arizona Worked All Counties, which later became known as AZ-WAC, not AFLAC!

The subject was brought up at the July board meeting and before long the project was off the ground. Jeff, WB7RFY made several contacts and later turned the project over to me (one of my weaker moments)

After twelve years of no activity, the re-birth of Arizona Worked All Counties was official at the August 10, 2009 board meeting. An award was chosen by the board from three submitted. The next day, all the pertinent information was on it's way to QST as well as CQ. Suddenly, all those late evenings began to pay off. Without the assistance of our section manager, Tom Fagan, K7DF and Gary Keck,

KE7DX, the Arizona QSO Party Coordinator, I don't think I could have pulled this off in the time allotted.

AZ-WAC begins October 1, 2009 and is an ongoing event. Rules are listed on the clubs webpage at: <http://www.w7yrc.org/az-wac.htm>

To obtain an application, you can either send an email to AZ-WAC@W7YRC.ORG Subject Line: application, or send your written request to the club address.

Yavapai Amateur Radio Club
Attn: application
PO Box 11994
Prescott, Az. 86304-1994

Make a contact with each of the 15 counties in Arizona, have your logs verified by two non related, general class or above hams and send your application to the address above, Attn: AZ-WAC

Your serialized award will be emailed to you in .pdf format for you to print. If you prefer a hard copy, please include \$5.00 US dollars to the above address and a copy will be sent to you.

Question are to be directed to AZ-WAC@W7YRC.ORG

The honor system will govern – good luck and have fun. 73 ■

For Sale

1. Ringo Ranger 2M Antenna \$25.00
2. Collins 637-T -1/2 Adjustable Dipole \$50.00
3. Kenwood TR 7950 Mobile VHF (No Tones) \$50.00
4. Yeasu 720R Mobile UHF (No Tones) \$75.00
5. Yeasu FT2800M Mobile VHF \$100.00
6. Realistic HTX 404 UHF HT \$80.00
7. Yeasu VX3R Dual Band HT \$125.00

Call: Jack Hanny, KB7CH
(928) 445-3142



The Family Radio Service (FRS)



The Family Radio Service (FRS) is an improved walkie talkie radio system authorized in the United States since 1996. This personal radio service uses channelized frequencies of 462.5625 to 467.7125 MHz in the UHF band. It does not suffer the interference effects found on citizens' band (CB) at 27 MHz, or the 49 MHz band also used by cordless phones, toys, and baby monitors. FRS uses frequency modulation (FM) instead of amplitude modulation (AM). Since the UHF band has different radio propagation characteristics, short-range use of FRS may be more reliable than radios operating in the HF CB band.

Family Radio Service may be useful to the amateur radio fraternity, since amateurs are not permitted to discuss or pass messages of a business nature, and FRS may be used by family, friends and associates to communicate with each other within a range of less than one mile. You can not make a telephone call with an FRS unit. You may use your FRS unit for business-related communications.

Licensing

License documents are neither needed nor issued. You are provided authority to operate a FRS unit in places where the FCC regulates radio communications as long as you use only an unmodified FCC certified FRS unit. An FCC certified FRS unit has an identifying label placed on it by the manufacturer. There is no age or citizenship requirement.

Operations

You may operate your FRS unit within the territorial limits of the fifty United States, the District of Columbia, and the Caribbean and Pacific Insular areas ("U.S."). You may also operate your FRS unit on or over any other area of the world, except within the territorial limits of areas where radio-communications are regulated by another agency of the U.S. or within the territorial limits of any foreign government.

FRS/GMRS Dual Service Radios

Some manufacturers have received approval to market radios that are certified for use in both the Family Radio Service (FRS) and the General Mobile Radio Service (GMRS). Other manufacturers have received approval of their radios under the GMRS rules, but market them as FRS/GMRS

radios on the basis that: Some channels are authorized to both services, or a user of the radio may communicate with stations in the other service.

Radios marketed as "FRS/GMRS" or "dual-service radios" are available from many manufacturers and many retail or discount stores. The manual that comes with the radio, or the label placed on it by the manufacturer, should indicate the service the unit is certified for. If you cannot determine what service the unit may be used in, contact the manufacturer.

If you operate a radio that has been approved exclusively under the rules that apply to FRS, you are not required to have a license. FRS radios have a maximum power of ½ watt (500 milliwatt) effective radiated power and integral (non-detachable) antennas. If you operate a radio under the rules that apply to GMRS, you must have a GMRS license. GMRS radios generally transmit at higher power levels (1 to 5 watts is typical) and may have detachable antennas. ■

For more information on FRS, visit the FCC's webpage: <http://tinyurl.com/o448s>

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I FINALLY GOT OUR NEIGHBOR TO GET RID OF THAT OLD STYLE TV THAT I'VE BEEN BOTHERING ON 15 METERS!

Weekly Breakfasts



Tues. Morning Breakfast:

7:00 a.m. at
Back Burner Cafe
 8400 E. Long Mesa Drive
 & N. Robert Road
 Informal – all are invited.

Wed. Morning Breakfasts:

7:00 a.m. at
Iron Horse Restaurant
 (Hwy 89 in Chino Valley)
 (N 34°43'56.5" W112°27'15.4")*
 informal – all are invited

8:00 a.m.
Masonic Lodge
 (1280 Willow Creek Road,
 2nd Floor; above Bank of America)
 informal – all are invited

* Location data (per WGS84) provided
 by Fred Zimmermann, N7PJN

Area Repeaters

Fre- quency	PL	Location	Owner/Club	Auto- Patch	Rem. BaseOr Linked	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			Echo	-500KHz Offset
53.040-	None	Prescott Airport	WB7BYV				-1MHz Offset
145.290-	127.3	Mingus Mtn.	ARES/RACES				
146.780-	91.5	Williams Mtn.	BWARC			IRLP	
146.880-	100.0	Prescott	YARC				
146.980-	162.2	Flagstaff	CARC				
147.000+	162.2	Mingus Mtn	MMRG				
147.040+	107.2	Prescott Heights	W2YAV				
147.140+	162.2	Flagstaff/-Mt. Elden	ARA		Linked to Mt. Ord -		Mt. Ord=147.36
147.220+	162.2	Mingus Mtn	VVARA				
147.260+	103.5	Mt. Union	ARES/RACES				
224.080-	156.7	Mt. Union	WA7JC				
442.150+	100.0	Mingus Mtn	W1OQ/Northlink				
442.350+	100.0	Glassford Hill	N7KPU			IRLP	
445.300-	100.0	Prescott	WINSYSTEM		Node 3727	IRLP	
448.475-	100.0	Flagstaff-Elden	ARA	Yes			
448.500-	100.0	Prescott	K6JSI				
448.875-	100.0	Flagstaff-Elden	Northlink		Linked		
449.175-	100.0	Towers Mountain	Northlink		Linked		
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn.		P mtn=927.3875
927.3875-	151.4	Prescott	WB7BYV	Yes	Yes	Echo	Be Nice

Y.A.R.C. IRLP NODE
Node Number 3182
442.350+ MHz with a
PL Tone of 100.0 Hz

For more Repeater Information & Listings refer to:

- www.w7ara.org/Web/
- www.azrepeaters.net
- www.azfreqcoord.org/listings.htm

YAVAPAI AMATEUR RADIO CLUB

P.O. BOX 11994

PRESCOTT, AZ 86304

Visit us on the web at <http://www.w7yrc.org>

Many thanks to Bob Smith, WB6ODR, our Webmaster

