

YARC Members busy providing Public Service Communications for Several Events in September.
(See WA6ZZJ's Article on Page 6)



Cyclists Lining up for the 54 Mile Loop Challenge.



10K Runners Lining up at the Tour de Pee Vee 1/2 Marathon.

Membership Count:

1st Thurs. in August.....175
Gain/Loss.....+2
1st Thurs. in September.....177



October Program

YARC club member, Bud Semon, N7CW, will talk about his recent trip to Liberia with the VooDoo Contest Group to operate in the CQ World Wide CW DX Contest.



Inside This Issue:

Meeting Minutes.....Page 2 & 3
Where Am I?.....Page 3
Treasurer's Summary.....Page 4
Monthly Fox Hunt.....Page 5
Public Service Communications.....Page 6
Ham Radio License Course.....Page 7
VE Testing.....Page 8
YARC Ham / Swapmeet.....Page 8
Ready for a New License?.....Page 8
Upcoming Events.....Page 9
History of Car Radios.....Page 10 & 11

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 30, 2012 Board Meeting

At Coco's Restaurant, Prescott AZ



In attendance were:

AD7YR,
KE7NAP,
WN7E,
K6VVR,
K7SEN,
KV8TD,

N7GLH and KE7KEV.

N7GLH was appointed by the Board to be Acting Secretary for the remainder of 2012.

An upcoming **Swap Meet** in Dewey on 27 October 2012 was discussed pertaining to YARC participation.

K6VVR gave details on the **Holiday Dinner** to be held on Saturday 26 January 2013 at the Prescott Steakhouse.

K7DF, the **ARRL Arizona Section Manager**, will be the **speaker** for the **September YARC General Meeting**.

Nominations for YARC President and Treasurer are needed.

WB9VGJ is the new **Volunteer Examiner Coordinator (VEC)** for YARC.

The meeting was adjourned at 18:40.

Respectfully submitted,

Barbara Ashley ~ KE7KEV

YARC Secretary

Minutes of September 6, 2012 General Meeting



The meeting was called to order at 1859 hours by **KE7NAP** with the Pledge of Allegiance. He then called for everyone to introduce themselves. There were 65 in attendance.

KE7KEV Barbara, Club Secretary gave her good-bys and said she will be moving next week to Snowflake AZ. She is planning to join the Kachina Radio Club in Showlow.

K6VVR introduced our program of Tom Fagen **K7DF**, ARRL Section Manager. **K7DF** gave a presentation on ARRL: its history, activities, legislative actions, and what happening at the local level.

At 2037 we had a 10 minute break before continuing with the business meeting.

KE7NAP stated that for those that may be blind or visually impaired, QST is available on talking books at a Phoenix library and it is free.

K6VVR said that **AD7YR** has set up for Saturday, October 20th, a **Ham Swapmeet** at the Backstreet Market in Dewey which is just west of the old Young's farm.

www.backstreetmarket.com Power, water and restrooms are available. A show of hands for prospective sellers indicated there were enough to go ahead and advertise it.

K6VVR announced the **YARC Party** has been set up for January 29, 2013 at the Prescott Steakhouse at

520 Miller Valley Road. The menu will include a choice of herb chicken, salmon, or steak. Ticket prices will be less than \$25 and there will be door prizes.

New members were introduced and voted in: **Clayton Jacobs KJ6QJS, Gary Blair KF7YFQ, Rick Grupp KC4UVA, John Sakowich KC2UZT, and Patty Sakowich KB1TUY.** Welcome to all of you!

KE7NAP tabled the Treasurer's report and asked for brief committee reports.

Tom Fagen **K7DF** drew for the 50/50 cache of \$71 and it was won by **KE7JEQ.** Tom Fagen then drew for donated "ARRL antenna book" door prizes. The winners were **KF7KFN, KF7RIG** and **KF7PQV.**

WA6ZZJ reported on the upcoming ARES-RACES activities for September and October.

AD7WW gave the Elmer report that he was assisted by **N7CW** and **AE7CG** on helping **N7RIS** put up a large antenna.

WB9VGJ gave the VE report for **AB7NK** stating that there were 17 applicants testing which resulted in 11 new technicians, 1 general and 3 extra class upgrades. Upcoming test dates are October 12th at 6 pm and November 3rd at 9 am, both being at the Jeep Posse Building. John gave a big thanks to **W6CCD** for adding the testing registration form to the YARC website.

W7JLC stated that a **technician class** will be on October 6 at Embry Riddle and it is open to the public.

K6VVR announced that there will be a **T-Hunt** next Sunday at 1 pm starting at the AZ State Credit Union on Gail Gardner.

Meeting was adjourned at 2111 hours.

Respectfully submitted by
David B Hanson - N7GLH
YARC Acting-Secretary

Where Am I?

By Dick Hughes, W6CCD

Attempting to determine the correct address for the upcoming YARC swapmeet brought to light the problem in trying to determine what the address is for anyone living in the areas that are located in what used to be the towns of Dewey and Humboldt Arizona. I will try to dissect the problem to better explain what is going on.

The old town of Dewey was originally called Agua Fria, and was renamed to Dewey in 1898. The old town of Humboldt was originally called Val Verde, and was renamed to Humboldt in 1905. Dewey never really had a town per se, but Humboldt did. Neither was incorporated nor had a town government to collect taxes, etc. I remember when we moved here in 1999 and I went to the old Dewey post office to sign up for mail delivery. I asked the Post Master where the actual town was. He said, "You're looking at it!"

Around the turn of the 21st Century, the town of Prescott Valley was absorbing unincorporated areas at an alarming rate. The PV tentacles were soon reaching the outskirts of Dewey. It became apparent to the residents of both Dewey and Humboldt that if they didn't incorporate, the town of Prescott Valley would soon include them within the PV town limits. So a vote was taken, and the town of Dewey-Humboldt was incorporated in December 2004. A town government was formed and located in the old town of Humboldt.

But what about the addresses of the people living in the new town as well as those still living in unincorporated areas of Yavapai County? There is a Dewey post office as well as a Humboldt post office. If you were served by the Dewey post office you still have a Dewey street address. If you were served by the Humboldt post office you still have a Humboldt street address. The same is true for those living in unincorporated areas, like the Prescott Country Club. Even there you really don't know what is where. There are seven units in the Prescott Country Club. One of them has been taken over by Prescott Valley. The other six are still unincorporated. To add to the confusion, there are no Dewey-Humboldt addresses.

It gets worse. The YARC swapmeet is located near the Dewey fire department off Hwy169. This area was formerly known as Dewey. Because of the length of the Prescott Valley tentacles, the swapmeet site is actually inside the Prescott Valley city limits. However, they are served by the Dewey post office, so their official street address is in Dewey! The same is true with that unit in the Prescott Country Club. They are in Prescott Valley, but their address is Dewey. It's no wonder why people get confused when they try to find an address in the area.

So, "Where am I?" Your guess is as good as mine. ■

YAVAPAI AMATEUR RADIO CLUB

Sept. 2012 Treasurer's Summary - Tom Griswold WN7E

Income

Date	Callsign	Name	Code	Check #	Amt. Paid	G. F. Amt.	Rep.Fund	ARRL
09/06/12	KC7UVA	Rick C. Grupp	N	6287	\$25.00	\$18.00	\$7.00	
09/06/12	KC2UZT	John Sakowich	N F	1080	\$20.00	\$18.00	\$2.00	
09/06/12	KB1TUY	Patty Sakowich	N F	"				
09/06/12	KJ6QJS	Clayton Jacobs	N S	cash	\$15.00	\$13.00	\$2.00	
09/06/12	KF7YFQ	Gary Blair	N	2613	\$20.00	\$18.00	\$2.00	
09/06/12	KE7JEQ	James Ellzey	R	cash	\$20.00	\$18.00	\$2.00	
09/06/12	KF6SPS	Walter Schumann	R	cash	\$20.00	\$18.00	\$2.00	
09/06/12	KW6J	Brian Stapleton	R F	cash	\$20.00	\$18.00	\$2.00	
09/06/12	WA6CWR	Mary Stapleton	R F	"				
09/06/12	N7GLH	David Hanson	R	3059	\$20.00	\$18.00	\$2.00	
09/06/12	W6RIJ	Eric Lash	R	cash	\$20.00	\$18.00	\$2.00	
09/06/12	W7PRG	Peter Genereaux	R	2738	\$20.00	\$18.00	\$2.00	
09/06/12	K6VVR	Pete Morrison	A R	1324	\$76.00	\$2.00		\$74.00
09/06/12	K7DUC	Pat Oliver	R	5428	\$10.00	\$8.00	\$2.00	
09/06/12		50/50 raffle		cash	\$142.00	\$142.00		
Income Totals					\$428.00	\$327.00	\$27.00	\$74.00

Expenses

08/21/12		Post Office box yearly rent		Card		\$74.00		
09/06/12	WN7E	Tom Griswold - office supplies		1124		\$80.91		
09/06/12	K6UWV	David Passell - refreshments		1125		\$37.90		
09/06/12	KE7JEQ	James Ellzey 50/50 winner		cash		\$71.00		
09/06/12		Allegra - newsletter		1126		\$25.52		
Total Expenses						\$289.33		

Beginning Balance	\$6,838.01							
Sept. Income	\$428.00	Aug. end Repeater Fund				\$1,694.30		
		Sept. 2012 Repeater Fund				\$27.00		
Sub Total	\$7,266.01	Interest Aug 31				\$0.15		
Expenses	\$289.33	Repeater Fund Bal.				\$1,721.45		
General Fund Balance	\$6,976.68	ARRL Payments		Ck 1127			\$74.00	
Net Loss/Gain	\$138.67	Sept. Income				\$428.00		
		Cash out 50/50				\$71.00		
		Deposit				\$357.00		

Monthly Fox Hunt

By John Broughton, WB9VGJ

The monthly foxhunt was held September 8th. Sky, KF7SKY, and Jim, WB7UZV hid the transmitters.



There were three teams hunting: Jeff, WB7RFY, and I, WB9VGJ: Dave, N7GLH, and Diane, KE7ODP; Pete, K6VVR and Max, KF7KFN, a new hunter.

Jim and Sky were somewhat sneaky in that the transmitters were hidden at The House of Plenty, where Sky lives and his parents have their business, in downtown Prescott.

The winners were N7GLH and KE7ODP, beating WB7RFY and me by three minutes. Congratulations to Dave and Diane. All three teams found both the primary and secondary transmitters.

Sky and Jim, as you can see in the pictures, were very comfortable in the shade in the backyard waiting for the hunters to arrive and watching them hunt.

We all had our usual enjoyable social get-together after the hunt at Denny's and Sky's younger sister joined us. That socializing is an integral, fun part of our fox hunts.

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

You can see pictures of the hunt at:
<http://tinyurl.com/9z5html>

NOTE: As some folks can't make a fox hunt on Sunday, the current plan is to have the October fox hunt Saturday, Oct. 6th. Please feel free to join us.

73,
John, WB9VGJ

Club contacts - At a Glance

President - AD7YR	president@w7yrc.org
Vice President - KE7NAP	vice.president@w7yrc.org
Secretary - N7GLH	secretary@w7yrc.org
Treasurer - WN7E	treasurer@w7yrc.org
Board Member - KV8TD	kv8td@w7yrc.org
Board Member - K6VVR	k6vvr@w7yrc.org
Board Member - N7GLH	n7glh@w7yrc.org
Board Member - K7SEN	k7sen@w7yrc.org
Arizona WAC Administrator	az.wac@w7yrc.org
Ask Elmer for Help	ask.elmer@w7yrc.org
Badges	badges@w7yrc.org
Field Day Chairman	field.day@w7yrc.org
Fox Hunts	fox.hunt@w7yrc.org
License Classes	classes@w7yrc.org
Membership Application	membership@w7yrc.org
Net Manager	net.manager@w7yrc.org
Newsletter Editor	newsletter@w7yrc.org
Program Inputs	programs@w7yrc.org
Public Information Officer	pio@w7yrc.org
Public Service - DEC	public.service@w7yrc.org
Repeater Trustee	repeater@w7yrc.org
Special Events	special.event@w7yrc.org
VE Test Liaison	testing@w7yrc.org
YARC Party Coordinator	yarc.party@w7yrc.org
Information	info@w7yrc.org
Webmaster	yarc@w7yrc.org
Webmaster	w7yrc@w7yrc.org
Webmaster	webmaster@w7yrc.org

YARC Officers for 2012

President	Vice President
Creighton Grotbeck, AD7YR president@w7yrc.org	Ellis Rackoff, KE7NAP vice.president@w7yrc.org

Secretary	Treasurer
David Hanson, N7GLH secretary@w7yrc.org	Tom Griswold, WN7E treasurer@w7yrc.org

Board of Directors (includes Club Officers)

Doug Freeman -- KV8TD
Pete Morrison -- K6VVR
Neil Vince -- K7SEN
David Hanson -- N7GLH

Newsletter Editor: Joe Oliver, AC6AA
newsletter@w7yrc.org



By Lloyd, WA6ZZJ



YARC PUBLIC SERVICE COMMUNICATIONS.....

September was another busy month for Yavapai Amateur Radio Club Public Service Communications. The following events have taken place as of this writing.

Saturday, September 8, 2012 communications was provided for the March of Dimes March for Babies. This is a long standing event for YARC participation and even though it may be one of the smaller events we assist with it does not diminish the importance of our providing the communications. The amateur mission in public service events is accomplished by providing communications for officials responsible for the event and public safety. As amateurs, we are not responsible for that safety. We facilitate the mission of officials who are, and can help by providing communications in depth over the full geographical area of the event.

Even with a small glitch when the route was changed and we didn't find out until a couple of days prior (the event organizers forgot to notify us)... The YARC communicators stepped up to accepting the changes and the event went off without a problem and there were no incidents needing reporting. It raised a reported \$30,000.00 for the March of Dimes.

Ten YARC members were involved in the event, communicating from four different fixed positions and one mobile in the Truly Nolen "Mouse 1" Volkswagen Beetle Limousine.

Sunday, September 16, 2012 YARC provided communications for the Skull Valley Loop Challenge a 54 mile bicycle event that loops out Iron springs Road through Skull Valley, Kirkland, Kirkland Junction and through Wilhoit returning to Prescott on Highway 89. This event is organized by Prescott Alternative Transportation.

190+ riders took part in the event with only a few dropping out and having to be given a ride back in a SAG vehicle. Considering the elevation climb from Wilhoit to Prescott coming up Highway 89 having just a few drop out was very good. The first rider across the finish line com-

pleted the 54 mile ride in 2 hours and 16 minutes with the second rider only about 5 minutes behind.

Aside from a flat tire or two and people just plain tiring out, the ride went off without a major problem. This year for the first time in several years the SAG vehicles had amateur radio operators in them for a quicker response to needed assistance. Input from the SAG drivers indicated this a was an asset to them.

Nine YARC members took part in the communications from Net Control, Two Aid Stations, Three SAG Vehicles and a roving Mobile unit.

Saturday, September 22, 2012 once again, YARC members were out in the early morning hours to provide public service communications. This time for the Tour de Pee Vee 1/2 Marathon, 10K, 5K and 2 Mile fun run in Prescott Valley.

Twelve operators took part in this event from seven different rest/water locations and net control. Communications were completed by 10:30 a.m.

Thanks to all members who participated in providing the communications for these events. It is dedicated public service communicators like you who step up to help YARC maintain its Special Service Club status.

YARC event communications for 2012 remaining as of this writing include:

Friday and Saturday, September 28 and 29, 2012 Prescott Rally

Saturday, September 29, 2012 Groom Creek Classic 1/2 Marathon (contact kd7vbg@cablone.net)

Saturday, October 20, 2012 Step Out Walk to Stop Diabetes

Tentative event communications dates for 2013 events are as follows:

- Saturday, February 2, 2013 - Sedona Marathon.
- Friday, Saturday, Sunday April 26, 27, 28, 2013 Whiskey Off Road Mountain Bike Event.
- Saturday, May 4, 2013 Whiskey Row Marathon.
- Saturday, Sunday, May 18, 19, 2013 MS-150 Ride the Vortex Bicycle Event in the Verde Valley.
- Saturday, September 7, 2013 March of Dimes March for Babies. ■

Amateur Radio Operators to Conduct Free Ham Radio License Course

October 6, 2012 in Prescott, AZ

By Jack Crabtree, W7JLC

Yavapai county amateur radio operators will conduct a free entry level, one day, amateur radio course for those wishing to obtain their ham radio license. This Technician Class License course will be on Saturday, October 6, 2012. No Morse code is required.

The class will be conducted at Embry-Riddle Aeronautical University (ERAU), in room 126, of the King Engineering and Technical Center (KETC126, building 72). The ERAU address is 3700 Willow Creek Rd in Prescott, AZ.

The course will start at 8:00 A.M. and will conclude about 4:30 P.M. There will be a half hour lunch break at about noon. Students should bring a sack lunch or a buffet style lunch is available at the ERAU cafeteria for about \$8.00.

Preregistration is requested for the license course by contacting Jack Crabtree at jskra@cableone.net, or 928-771-2344.

Three license exam session options are available the week following the course. The first will be at 6:00 P.M. on Friday, October 12 at the Jeep Posse building in Prescott's Pioneer Park. The second will be at 9:00 A.M. on Saturday, October 13 at the Public Service building in Cottonwood, AZ. **There will be another opportunity on at 9:00 A.M. on November 3rd, also at the Prescott Jeep Posse building.** Those pre-registered will be provided additional information including an ERAU campus map, complete information concerning the testing sessions, and discount group purchasing of the recommended but optional ARRL License Manual. Early registration is recommended.

This class is made possible by volunteer instructors from the Yavapai Amateur Radio Club and the Verde Valley Amateur Radio Association. ■



1. YEASU ATAS-25, Manually Tuned 7/14/21/28/50/144/430 Antenna. - \$30.00
2. ALINCO DJ-296 "220 MHz HT. - \$25.00 "Needs new battery pack and charger"
3. KENWOOD TM-241A, "2 FM Meter Mobile Transceiver". - \$25.00
4. 220 mobile Antenna - \$20.00
5. 10 Meter Mobile Antenna - \$20.00
6. A430-11S 70 Centimeter YAGI Antenna 430-450 MHZ - \$25.00
7. 124WB Boomer 4 element 2 meter antenna \$25.00
8. M2 EB-432 Eggbeater Satellite Antenna - \$25.00
9. Mirage KP-1/440 in-shack Pre-amplifier - \$30.00
10. Astron RS-10A Power Supply - \$35.00

Gary Shapiro – WD8DOT
(928) 775-0606
gshapiro57@cableone.net

Need a Hand?

If you need assistance, we want to help you. If you are just starting out in ham radio, or simply have run across something that you could use a hand with... technical assistance or answers to questions about the Yavapai Amateur Radio Club, are available from knowledgeable club members.



Don't Hesitate to Ask for Help!!

CALL:

Neil Vince, K7SEN (928) 775-2158
Bud Semon, N7CW (928) 771-8267

VE Testing

By Mary Vince, AB7NK

There are two remaining test sessions for 2012. One is on Friday evening, October 12, 2012 at 6:00 P.M. and the last one will be Saturday, November 3, 2012 at 9:00 A.M. Both sessions will be held at the Jeep Posse Bldg at Pioneer Park, located behind the hockey rink.



Please be sure and pre-register by going to http://w7yrc.org/test_application.htm . If you have any questions, please email testing@w7yrc.org .

The 2013 testing schedule will be published as soon as the dates have been confirmed for the use of the Jeep Posse Bldg.

Editor's Note: An additional test session will be available in Cottonwood, AZ on Saturday, October 13th at the Public Service building.

YARC / Ham Swapmeet

Saturday, October 20th, 2012

8:00 AM to 2:00 PM

Backstreet Farmer's Market

622 S Bennett Drive

Dewey, AZ 86327

(Turn East onto Hwy 169 from Hwy 69; turn North on S. Cold Water Ln. (second left) then again on Bennett Drive).

BUY/ SELL Ham Radio equipment and related electronics!

Talk-in Freq:146.880 MHz, PL 100.0 or 146.5 Simplex

FREE PARKING, ADMISSION & DOOR PRIZES

**ALL HAMS AND RADIO ENTHUSIASTS WELCOME!
DON'T MISS IT!**

For more information :

www.w7yrc.org/arizona_ham_fest.htm

Ready For A New License?

By Dick Hughes, W6CCD

If you are ready to take the test for an amateur radio license, there is a new form on the YARC website that makes it easy for you to sign up for the next testing session. Go to http://www.w7yrc.org/ve_testing.htm and click on "Click here for the test pre-registration form." That will take you to a form with blocks for entering the information needed by the VE Team to start your paperwork. Be sure and complete all the required entries indicated by an (*). It is very important that you enter the exact name that you want to appear on your license.

Before sending in your test application, it is important that you already have an FRN number (Federal Registration Number.) If you already have a license, the FRN will be shown on your license. If this is your first license, you will need to apply for one at http://wireless.fcc.gov/uls/index.htm?job=about_getting_started . It only takes a few minutes.

When you have completed the form, click on "Submit" and the form will be sent to the VE Team. You will receive an acknowledgement if the form has been filled out with all required information.

Be sure and read all the instructions on the License Tests web page. Good luck.

73, Dick – W6CCD

2012 Arizona Centennial QSO Party

The Arizona Statehood QSO Party will be held Oct 13-14, 2012. Anyone who makes a contact with all Fifteen Arizona counties can receive a special centennial certificate.

Rules, Awards, and more information can be found at www.azqsoparty.org or info@azqsoparty.org (e-mail).

Let's all help make Arizona "radio-active" and honor Arizona's Centennial on October 13 - 14 !!!

TUCSON HAMFEST



AND FLY-IN®



October 6, 2012
Marana Regional Airport
www.tucsonhamfest.com



Join the crowds from Arizona, California, Nevada, New Mexico, Utah, and beyond!

Fly-in or drive in! Just be there!

This is the BIG Ham Radio Event in Southern Arizona.

6 October 2012

Tucson Hamfest and Fly-In

Hosted by the Oro Valley Amateur Radio Club
and the Old Pueblo Radio Club

Marana Regional Airport, 11700 W Avra Valley
Road, Marana

For Map see: <http://tinyurl.com/8lcjc2v>

Flea Market, Major Vendors, Food, Drink, Huge
Prizes, VE Session

Web Site: www.tucsonhamfest.com

Toll-Free Hotline: 1.800.909.0031

Wednesday Evening Net

By Neil Vince, K7SEN

Net controls are still needed for the remainder of the year. If you have not taken a turn as net control, give it a try. This is an informal net and you are amongst friends. The roster and preamble are provided and can be downloaded from the club web-site.

I will have the sign up sheet at the October meeting or you can call me at 928-775-2158.

Greetings Fellow Hams

I work with a group of five locals who take donated computers, rebuild them and pass them on free of charge to needy recipients.



Earlier we were a non-profit corporation listed as "Computer Literate Resources" (CLR). About two years ago the member of the group responsible for maintaining our corporate charter passed away and for two reasons we let it expire. One; it required a lot of record keeping and two; the price of computers had come down to a point that it really wasn't worth the effort. The result being we could no longer write a receipt good for a deduction on your federal income tax form.

Folks often will buy a more modern computer and just put aside the old one. This has become our primary source of rebuildables. If you have one lying around that you're willing to donate, we would be glad to have it.

I usually attend the monthly YARC meetings and could take donations there. I would ask that you let me know in advance so I would be sure to make the meeting.

Thanks,

Roy, AD7FW.

775-6592, onenewadventure@aol.com

Upcoming Events

- **September 28 & 29, 2012** - Prescott Rally
- **September 29, 2012** - Groom Creek Classic 1/2 Marathon
- **October 6, 2012** - Ham Radio License Course and Tucson Hamfest and Fly-in.
- **October 12 & 13, 2012** - License Test Sessions.
- **October 20, 2012** - YARC/ Ham Swapmeet
- **October 13-14, 2012** - Arizona Centennial QSO Party.
- **October 20, 2012** - Step Out Walk to Stop Diabetes.

History of Car Radios



The following story is reprinted, with permission, from “Uncle John’s Fast-Acting Long-Lasting Bathroom Reader”, Copyright 2005 by Portable Press.

SUNDOWN

One evening in 1929 two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy, Illinois, to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car.

Lear and Wavering liked the idea. Both men had tinkered with radios – Lear had served as a radio operator in the U. S. Navy during World War I – and it wasn’t long before they were taking apart a home radio and trying to get it to work in a car. But it wasn’t as easy as it sounds: automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running.

SIGNING ON

One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago. There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a product called a “battery eliminator” a device that allowed battery-powered radios to run on household AC current. But as more homes were wired for electricity, more radio manufacturers made AC-powered radios. Galvin needed a new product to manufacture. When he met Lear and Wavering at the radio convention, he found it. He be-

lieved that mass-produced, affordable car radios had the potential to become a huge business.

Lear and Wavering set up shop in Galvin’s factory, and when they perfected their first radio, they installed it in his Studebaker. Then Galvin went to a local banker to apply for a loan. Thinking it might sweeten the deal, he had his men install a radio in the banker’s Packard. Good idea, but it didn’t work – half an hour after the installation, the banker’s Packard caught on fire. (They didn’t get the loan.)

Galvin didn’t give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention. Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioners could hear it. That idea worked – he got enough orders to put the radio into production.

WHAT’S IN A NAME

That first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier. In those days many companies in the phonograph and radio businesses used the suffix “ola” for their names – Radiola, Columbiola, and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it the Motorola.

But even with the name change, the radio still had problems:

- When Motorola went on sale in 1930, it cost about \$110 uninstalled, at a time when you could buy a brand-new car for \$650, and the country was sliding into the Great Depression. (By that measure, a radio for a new car would cost about \$3,000 today.)
- In 1930 it took two men several days to put in a car radio – the dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them. The installation manual had eight complete diagrams and 28 pages of instructions.

HIT THE ROAD

Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression – Galvin lost money in 1930 and struggled for a couple of years after that. But things picked up in 1933 when Ford began offering Motorolas pre-installed at the factory. In 1934 they got another boost when Galvin struck a deal with B. F. Goodrich tire company to sell and install them in its chain of tire stores. By then the price of the radio, installation included, had dropped to \$55. The Motorola car radio was off and running. (The name of the company would be officially changed from Galvin Manufacturing to “Motorola” in 1947.)

In the meantime, Galvin continued to develop new uses for car radios. In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts. In 1940 he developed with the first handheld two-way radio – the Handie-Talkie – for the U. S. Army.

A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II. In 1947 they came out with the first television to sell under \$200. In 1956 the company introduced the world's first pager; in 1969 it supplied the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon. In 1973 it invented the world's first handheld cellular phone. Today Motorola is one of the second-largest cell phone manufacturer in the world. And it all started with the car radio.

WHATEVER HAPPENED TO....

The two men who installed the first radio in Paul Galvin's car, Elmer Wavering and William Lear, ended up taking very different paths in life. Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention lead to such luxuries as power windows, power seats, and, eventually, air-conditioning.

Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But what he's really famous for are his contributions

to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the Lear Jet, the world's first mass-produced, affordable business jet. (Not bad for a guy who dropped out of school after the eighth grade.) ■

Ham and Eggs

A good time was had by all at the Iron Horse Restaurant., as demonstrated by Bob, K7POF.

Why not join the Hams who get together for breakfast every Wednesday morning at 7:00 A.M. ?

The Iron Horse Restaurant is located on Hwy 89 in Chino Valley.



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.

Area Repeaters

Weekly Breakfasts



Wed. Morning Breakfast:

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

Breakfast at Masonic Lodge: 3rd Saturday of each Month at 9:00 a.m.

(1280 Willow Creek Road,

2nd Floor; above Bank of America)

informal – all are invited

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

Freq.	PL	Location	Owner/ Club	Auto- Patch	Links	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			IRLP	Node 3301
144.390	Simplex						APRS- www.aprs.fi
145.290-	127.3	Mingus Mtn.	K7YCA				ARES/RACES
145.350-	162.2	Wildflower	W7QHC				Dawn
145.600	Simplex					Echo	Node 266053
146.760-	131.8	Hayden Peak	N7SKO				WECOM INC
146.780-	91.5	Bill Williams Mtn.	K7NAZ			IRLP	BWMRC LITZ, 3178
146.880-	100.0	Prescott Heights	W7YRC				YARC
146.920-	162.2	Mount Ord	W7MDY				ARA
146.980-	162.2	Mt. Elden	W7ARA				ARA
147.000+	162.2	Mingus Mt.	K7MRG				MMRG
147.140+	162.2	Mt. Elden	W7ARA				ARA
147.220+	162.2	Mingus Mtn	W7EI				VVARA LITZ
147.260+	103.5	Mt. Union	K7YCA				ARES/RACES
147.260+	127.3	Mt. Francis	K7YCA				ARES/RACES
147.360+	162.2	Mt. Ord	W7MDY				ARA
224.080-	156.7	Mt. Union	KJ7DX				Desert Intertie
442.150+	100.0	Mingus Mtn	WA7UID				MMRG
448.475-	100	Mt. Elden	W7ARA				ARA
448.875-	100.0	Mt. Elden	W7ARA				ARA
449.250-	192.8	Chino Valley	K7POF				
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn.		
449.750-	123.0	Bill Williams	K7NAZ		Linked to Win-Sys		
927.0875-	151.4	Mingus Mtn	WB7BYV				
927.3875-	151.4	Prescott	WB7BYV			Echo	ARA

Y.A.R.C. IRLP NODE
Node Number 3182
146.100 MHz No PL Tone



T-Hunt Frequencies:

Primary - 145.100 MHz

Secondary - 146.565 MHz

For more Repeater Information & Listings refer

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

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Many thanks to Dick Hughes, W6CCD, our Webmaster

