



# YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 23 – No.10 • October 2008

## YARC/VVARA + Yavapai ARES/RACES at the County Fair

By Doug Freeman, KV8TD



Doug with 2 Meter, HF, and IRLP Transceivers



Dick, W6CCD At the Controls

I want to thank all who participated from YARC and VVARA at our Yavapai County Fair booth this year. We did have a more visible location this year, and were able to introduce Amateur Radio to a larger number of folks. If one uses the traffic and overflow parking Saturday night as a guide, the overall event was a success as well.

HF band conditions were not great, but we were able to make some contacts including Argentina; IRLP was a big hit as well. W7JLC will probably have a few more students thanks to the fair, and several licensed operators who live (at least part of the year) in this area were introduced to the clubs. We will likely have some new folks at club meetings in the next months.

Special thanks to KA7JAS for the equipment. Neil provided all the radios which made the operation work.

I had hoped for more participation by our new licensees. This was a great opportunity to get some operating in with some experienced hams around -- perhaps next year.

We have some lessons learned, and will incorporate them in future plans. ■

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## 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 September 4, 2008 Board Meeting



The meeting was called to order at 1825 hrs. by the President, KB7TRE. Also in attendance WB9VGJ, KF6SPS, KE7DTR, N6LSA, W3IVQ, KD7VVBG and WB7RFY.

The portable banner approved last month is completed, and the exterior mount stickers are on order and expected soon.

Judy Rosevear and Ingrid Schumann have inquired if there will be funds for gifts at the January 17 annual after holiday party to supplement hand-made crafts now in progress. Board consensus is in the affirmative, but will be presented to the membership along with stipend for entertainment.

Fair report and final arrangements tonight.

NRA special event station is published; as with many operations, club will cover some food expenses.

Nominating Committee still needed; candidates needed for President, Treasurer, and three Board seats.

W3IVQ informed the Board of his impending move out of state which will leave the Vice-President office to be filled by appointment for the remaining term.

Proposal for an Enhancement to YARC Member Services: Youth, submitted to the board by N5RO via e-mail was read aloud by the President. Motion of KE7DTR to table until October to allow author to present; no second. Varied, in-depth discussion

(14 minutes) included points on separate monies, impact on school district employees, age and liability issues resulted in Board furthering its position when last addressed in August to encourage individual involvement as volunteers. Will be presented to membership tonight.

Parliamentarian position to be investigated.

On motion of KD7VGJ, second WB9VGJ, meeting was adjourned at 1852 hrs.

Respectfully submitted;

Jeff Hanna, WB7RFY

YARC Secretary

Meeting was called to order by the

## Minutes of September 4, 2008 General Meeting

President, KB7TRE at 1900hrs. Following the Pledge of Allegiance introductions were made.

**Attendance:** 61 of whom 52 signed in.

**Visitors:** included Brent Ellzey, KE7JGM, and 'Tony'.

**Meeting Minutes** of the 7 August, 2008 meeting were accepted as published.

**Treasurer's Report:** Beginning balance of \$2156.74, ending balance of \$1850.85, and repeater fund of \$117.97 was approved as read.

### COMMITTEE REPORTS

**ARES/RACES:** WA6ZZJ presented the upcoming calendar of events as published in the September Signal, encouraging all to participate, and reported on the recent Supai evacuation and local support role.

**IRLP:** W7JLC reports fine.

**PIO:** WB7RRQ reports fine.

**Repeater:** WB6ODR reports fine.

**Newsletter:** AC6AA reports fine.

**Shirts:** W6CCD reports shirts are available.

**Patches:** KD7VBG reports 2 sizes available at \$3.00 ea.

**Badges:** WB6ODR requests orders via e-mail [lrsmith@cableone.net](mailto:lrsmith@cableone.net).

**Classes:** W7JLC reports 17 already registered for one day Technician Class on September 27 at ERAU at 8:00am. Reserve your spot at [JSCRA@cableone.net](mailto:JSCRA@cableone.net). If you have books from prior classes, please return ASAP.

**VE Testing:** AB7NK requests those intending to test at 9:00am October 11 session to please contact in advance at [AB7NK@arrl.net](mailto:AB7NK@arrl.net).

**School Groups:** KB7TRE reports Granite Mountain has reactivated with several of last year's members and new interest. One seventh grader is working hard to be ready to test in October. Bradshaw Mountain report was read on behalf of N5RO, stating a fun program is being planned with fund-raising opportunity after fall break, and also has an anxious member hoping to test at October session. W7BMB has applied for a grant through ARRL, but has doubtful hopes for funding, and acknowledged several YARC members for donations and support, notably AC6AA & KF6BTW.

**Elmer:** KA7JAS reports fine.

**Refreshments:** K6UWV offered credit to his wife for helping to or-

ganize monthly and baking many of the treats.

**Young Hams Net:** KI6AHH reports some slow nights, but overall active net of youth and others.

**Programs:** KE7DTR reports December still open, and solicits ideas and suggestions from the membership.

**Road Rally:** WB7RRQ reminds all of the fun and participation in years past. Please sign-up at [www.prescotttrally.com](http://www.prescotttrally.com) (click volunteers) for the October 3, 4 event.

**After Holiday Party:** WB7RRQ reports date is January 17, 2009. Price yet to be determined; expect small increase. KC7MTY & Ingrid Schumann are working on gifts. On motion of KD7VBG, second by WB9VGJ and no dissenting votes, \$ 150.00 was approved for party gifts. On motion of KF6SPS, second by AB7NK, and no dissenting, up to \$ 100.00 was approved towards entertainment. If anyone has as new, white elephant type gifts please bring wrapped or get to WB7RRQ in advance so they can be wrapped.

**Mentoring:** KE7NAP reports fine at this time.

**County Fair:** KV8TD needs assistance for set-up on Wednesday and booth people Sept 18, 19, 20 & 21. Prior discussion of D-star is not to occur this year, but video presentation is set. Sign-in sheet available or contact at [KV8TD@arrl.net](mailto:KV8TD@arrl.net).

**NRA special event station** using K7NRA call will be Mon. November 17, 8:00 am until 4:00 pm at Gunsite.

#### OLD BUSINESS:

**Traveling Banner** is made. Vinyl

with corner grommets and cleaned lettering - cost was \$ 77.36.

**Stickers** are en-route from Sir Speedy. High quality vinyl coated exterior mount. Will first be available at Fair booth. Two to each membership at no charge, then \$ 1.00 each.

N7CW was queried as to QSO party operation and reports many contacts and fun time although participation was low.

#### NEW BUSINESS:

**Nominating Committee** needs to be formed to present candidates for election at November meeting. Offices for election are President, Treasurer, and 3 Board of Director seats.

N5RO has presented a letter requesting **Auxiliary club for youth**. KB7TRE read letter to the membership outlining requests. Discussion led to volunteerism as with Granite Mountain group. No action. To be addressed at October meeting

**Parliamentarian Position** requested to assure club operates as chartered, as club continues to grow; requires familiarity with Roberts Rules of Order.

**Tonight's Program** is Patrick Stoddard, WD9EWK on satellite operations and AMSAT. See [www.AMSAT.ORG](http://www.AMSAT.ORG) and [www.qsl.net/KD2BD/predict.html](http://www.qsl.net/KD2BD/predict.html) for more information.

**50/50 Drawing:** \$ 71.50 was won by WA6AQK.

On motion of WB9VGJ, second by KF6SPS and no dissenting votes, meeting was adjourned at 1950hrs.

Respectfully submitted,

Jeff, WB7RFY

YARC Secretary

## This Month's Featured Ham

By Joe Oliver, AC6AA



**Pat Oliver, K7DUC**

Since Pat is recovering from knee surgery and unable to interview folks for this column, it seems appropriate that she be this month's featured ham.

Pat was exposed to ham radio in the 1950s, when we were dating. She tried to get her ham license, but was turned off by the code requirement. However, more than 50 years later, she decided to try again -- this time she was successful, and received her Technician license as KE7DUC.

Limited to the VHF bands, she realized that the YL nets met on HF frequencies. This was an incentive for her to get her General license. However, the 5 WPM code requirement was still in effect, which was a major obstacle to her upgrade. Pat was determined to pass the 5 WPM code test, and after 6 months of intensive practice, was able to do so. She received her General license in November 2005, and in January 2006, got her vanity call sign, K7DUC.

Still unable to operate on some YL net frequencies, she studied, with difficulty, to finally obtain her Extra Class license in April 2008.

Pat currently operates on 20 meters SSB and 2 meters. Her equipment includes a Yaesu FT-1000MP, an Ameritron AL-80B, and a 3-element SteppIR beam.

She has no ambition to work CW. She is interested in ragchewing with YLs on 20 meter nets and has weekly schedules with YLs in Virginia and Canada.

Her most memorable contact was her first one -- it scared the heck out of her.

Her most memorable radio-related mail received was her Ham license. She has received several QSL cards from members of YLRL.

Pat spent her working career in the medical field. She started as a registered nurse in San Jose, California in 1954. She has worked in critical care, both surgical and coronary care. Later, she obtained a BS in Community Health Education, while studying nights and raising 5 children. Pat then went on to work as a Nurse Epidemiologist and consulted at the State and County level.

We both retired on her birthday in 1995, then moved to Prescott, and began enjoying our retirement in Arizona.

Pat is a member of the Young Ladies Radio League (YLRL) and is active in the YARC. She was Secretary for 2006 and 2007 and is a regular contributor to the Yavapai Signal newsletter.

Pat would like to see the club continue to grow, encompassing younger people who remain active.

We are lucky to have someone like Pat as a member, someone who is willing to take an active part in YARC activities. ■

## Upcoming Events



- **September 27, 2008** - Technician Class at Embry-Riddle
- **October 3 & 4, 2008** - Prescott Road Rally
- **October 11, 2008** - VE Testing @ Embry Riddle
- **October 18, 2008** - Diabetes Walk **November 15, 2008** - Rails to Trails Walk
- **November 17, 2008** - NRA Special Event Station at Gunsite, AZ.



By Lloyd, WA6ZZJ

## ■ARES/RACES.....

ARES/RACES will be participating in two Emergency Exercise events in October. One will be in the Prescott, Prescott Valley area and the other will be in the Clarkdale area. There will be more information pertaining to these events upcoming.

## TRAINING MEETING.....

The final quarterly training meeting of 2008 is scheduled for Saturday, November 1, 2008. This will be an exercise event and will also be used for the annual Simulated Emergency Test (SET).

The exercise event will take place in the Congress area with other areas of Yavapai County involved to include operators in other areas. It will be a good simulation and experience for all.

## SPECIAL EVENT COMMUNICATIONS.....

### MARCH of DIMES MARCH for BABIES.....

On Saturday, September 13<sup>th</sup> communications were provided for the March of Dimes March for Babies. The event started and finished on the Gurley Street side of the Courthouse Plaza. Seven amateurs took part in this event. Those participating were: KC7CBK, KB7TRE, KE7HWP, KI7JZ, W6CCD, KF6SPS and KE7DTR. Thanks to all who participated. I know the organizers of the event appreciate your support.

Operators began arriving by 0730 and were served pancakes from IHOP for breakfast and when the event wrapped up they shared in a "six foot" sub sandwich for lunch so you see Special Event Communications can be fulfilling in more ways than one....

As this is being written we have two more events before the end of September. They are:

## THE SKULL VALLEY LOOP CHALLENGE.....

Sunday, September 21<sup>st</sup> will see us once again providing communications for the Skull Valley Loop Challenge. This is a bicycle event with 120 riders registered so far. There will be three separate ride options. They are the 50+ miles, 70+ miles and the 90+ miles. The word "challenge" takes on real meaning in the 90+ ride with the participants going out Iron Springs through Kirkland Junction and south to the bottom of "Yarnell Hill" where they turn around and start climbing back toward Prescott.

## THE GROOM CREEK CLASSIC 10K.....

Saturday, September 27<sup>th</sup> is the running of the Groom Creek Classic 10K. This event begins and ends at the Groom Creek fire Station. Once again we will be providing the communications. This is a nice 'get out in the pines' event beginning around 0730 and ending around 1000. Friendly Pines Camp does a good job of providing the 'feed' for this event.

## OCTOBER EVENTS.....

### PRESCOTT ROAD RALLY.....

Friday and Saturday, October 3<sup>rd</sup> & 4<sup>th</sup> is the annual Prescott Road Rally. This is probably the largest event that communications are provided for being a two day event with large numbers of operators needed. Bob Rosevear and others are putting this event together.

### DIABETES WALK.....

Saturday, October 18<sup>th</sup> is the annual Diabetes Walk. John, WB9VGJ, is putting this event together and I'm sure he could use more operators. Sign up at the October meeting if you have not already done so.

There will be reports on these events in next month's newsletter.

### NOVEMBER RAILS to TRAILS RACE.....

The Rails to Trails Race scheduled for Saturday, November 15<sup>th</sup> has been cancelled for this year. The YMCA was unable to participate this year and the Boys and Girls Clubs did not take on the task of organizing it. There is hope that next year one of the local organizations will take on the organizing of the race.

**See ARES/RACES Page 6**

• **ARES/RACES** (Continued from Page 5)

**SOME RADIO USE TIPS.....**

- Carry extra batteries
- Think about what you are going to say before you transmit.
- Listen to the channel before you transmit to avoid talking over others.
- Key the radio 1.5 seconds before you talk, failing to do so will cut off your first words.
- Initial radio call, identify who you are calling, then identify yourself.

**SOME TIPS TO IMPROVE RADIO COVERAGE WITH YOUR HANDHELD.....**

- Hold the radio vertical, with antenna straight up and not bent.
- Don't speak directly into the mic; hold it off to the side. When you speak directly into the mic you hear wind noise from your breath.
- Hold it as high as possible. This is where a 'speaker mike' or 'headset w/mic comes in handy.
- Avoid obstacles between you and who you want to talk to.
- The radio wave pattern off the antenna is generally straight out the sides, there is not much energy transmitted out vertically, mostly horizontal. ■

# VE Tidbits



by *Mary Vince* – AB7NK

Testing will be held for all license classes at Embry Riddle University, 3700 Willow Creek Rd., Bldg 72, Room KEC 132 on Saturday, October 11, 2008 beginning at 9:00 A.M.

<http://www.erau.edu/pr/tours/map.pdf> (map of Embry Riddle campus)

If you plan on testing at this session, or know of someone who will be - please email me at: [ab7nk@arrl.net](mailto:ab7nk@arrl.net) Knowing ahead of time approximately how many applicants we'll be having saves time when it comes to paperwork.

It is especially important that anyone with special needs, contact me at the above email address or call me at 928-775-2158 prior to the testing date.

On behalf of the Prescott VE Team, I'd like to welcome the following new VE's to our team. KC7MTY – Judy, KF6SPS – Walter, and KI7JZ – Erica.

A special thanks to the YARC club for sponsoring us. It means a lot to our team to have the club's support.

Best of luck to those who will be testing and/or upgrading on the 11<sup>th</sup>. Good Luck!

**YARC Officers for 2008**

**President**

Terry Pemberton, KB7TRE  
kb7tre@cableone.net

**Vice President**

Jack Ragen, W3IVQ  
ragen@cableone.net

**Secretary**

Jeff Hanna, WB7RFY  
jeff668@commspeed.net

**Treasurer**

Patti Halgunseth, KD7VBG  
kd7vbg@cableone.net

**Board of Directors (includes Club Officers)**

John Broughton – WB9VGJ

Tom Griswold – N6LSA

Richard Bozeat – KE7DTR

Walter Schumann – KF6SPS

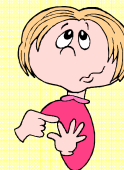
**Newsletter Editor:** Joe Oliver, AC6AA

**Membership Count:**

1st Thurs. in Aug.....145

Gain/Loss.....0

1st Thurs. in Sept.....145



## Program Speakers

**October:** Tom Griswold, N6LSA & Bob Rosevear, WB7RRQ on "Mobile Installations", (Quads and off-road).

**November:** Bud Semon, N7CW on "Contesting".

# Treasurer's Financial Reporting Sheet



Club / Group Name: YARC  
Reporting Date: SEPT '08

Patti Halgunseth, KD7VBG  
Treasurer

Members Name	Dues Paid	Repeater Fund	Donations	Prize Money Paid Out	Net Cash In per Member
George Miller/R=W7GWM	\$18.00	\$2.00			\$20.00
Arnold Watson/R=KC7FPM	\$18.00	\$2.00			\$20.00
Frank Maruna/R=W6RDY	\$18.00	\$2.00			\$20.00
Richard Courtney/R=AD7TF	\$18.00	\$2.00			\$20.00
Alan Elliot/R=KD7OEF	\$18.00	\$2.00			\$20.00
Walter Schumann/R=KF6SPS	\$18.00	\$2.00			\$20.00
Art Demlong/R=KE7NAY	\$18.00	\$2.00			\$20.00
Doug Freeman/R=KV8TD	\$18.00	\$2.00			\$20.00
Doreen Freeman/R=K7DRV	\$0.00				\$0.00
Noah Hogue/ARRL	\$20.00				\$20.00
50/50			\$143.00		\$143.00
Ken Severance/WA6AQK				\$71.50	(\$71.50)
					\$0.00
					\$0.00
					\$0.00
<b>Total:</b>	<b>\$164.00</b>	<b>\$16.00</b>	<b>\$143.00</b>	<b>\$71.50</b>	<b>\$251.50</b>

Miscellaneous Club Expenses	Cash Out	Check Number
ARRL=Noah Hogue/N	\$20.00	1035
David Passell=Refreshements	\$34.10	1036
Judy Rosevear=Gifts X-Mas	\$150.00	1037
Banners-N-More=Banner	\$77.36	1038
Sir Speedy=Stickers	\$259.23	1039
Allegra=Newsletter	\$30.18	1040
Repeater Fund	\$16.00	Cash

Club Funds Summary	Totals
Starting Balance	\$1,850.85
Net Expenses	\$586.87
Net Income	\$251.50
	\$1,515.48
Repeater Fund:	133.92
Cash Flow:	(\$335.37)

Total: \$586.87



## ***Is That Coax Worth Saving?***

**By Robert Reif, W1XP**

***Reprinted Courtesy of the NVARC "Signal"***

One thing that I have read and heard as long as I have been a ham (49 years next month) is the importance of using "fresh" coax cable to guarantee lowest loss. I have certainly seen plenty of coax that had a black or brown colored center conductor insulating material. But I have often wondered if this was really an issue or if it was a campaign to sell more coax.

The reason for the discoloration of the polyethylene dielectric is contamination by the diffusion of chemicals from the polyvinylchloride (PVC) jacket. This also causes a corrosion of the wire strands in the braided shield. Now not all coax is created equal. The lowest cost jacket material is a PVC formulation that causes this discoloration. This is identified as Type I in Military Specification. There is also a PVC formulation that does not cause the discoloration of either the center conductor dielectric or the shield braid wires. This is Mil. Spec. Type IIA. The Type I is called contaminating and the Type IIA is called non-contaminating. But my question has long been what is the difference in the "end of life" performance of the two cables. So for some time I have been looking for a really bad looking piece of coax that I could test. Well the barn project forced me to clear out the hay loft and sure enough I found an almost 50 ft length of RG-8/U. The dielectric was almost as black as the jacket. At last I could run some tests.

It took a bit of work to clean up the braid so that a pair of connectors could be soldered onto the cable. I then measured the loss in the cable from 1 MHz to 500 MHz in a one, two, five sequence and converted the measured loss to loss per 100 feet. I then compared this to the published loss for RG-8/U. The results are interesting, but not unexpected. At one, two, five, 10 and 20 MHz the loss was the same as the published specification for RG-8. It wasn't until the test frequency reached 50 MHz that a sufficient difference from the measured and published spec could be noted. This was 0.4 dB per 100 feet at 50 MHz. Note this is additional loss above the new cable loss. At 100 MHz this additional loss had increased to only 0.45 dB and at 500 MHz it was 2.3 dB of additional loss. But at 20 MHz and below, the difference in the loss was so small as to be not detectable. The power meter used for the tests will display 0.01 dB and a direct substitution method was used to measure the loss in the cable.

So I think the question is answered. If you are using a coax cable at a high VHF or low UHF freq., and it is more than several years old, it might be worth while to look at the cable loss. Especially if you are using it for more than talking to the local repeater. On the other hand if the coax is used on the 40 meter dipole, and it is in good physical condition, then there is no need to worry about the cable regardless of what kind of jacket it has. The other side of the question is what to consider when buying new cable. The short answer is go for the premium Type IIA non-contaminating jacket cable. The loss will be stable until the cable dies of old age for other reasons. Probably in excess of 20 or 30 years. If the cost is cheap, it probably isn't the non-contaminating jacket. Claiming that the cable is Mil Spec doesn't mean it is Type IIA. Type I is a military specification. Some dealers make all kinds of claims. Buyer beware. If the application is for HF, and long life is not an issue then the cheaper Type I jacket is probably more than adequate. Save your money for something else.

But it is clear that you may not want to throw away that cable you took out of service for the two meter antenna because it has a contaminating jacket. Save it for the new 160 meter antenna. It will work just fine there. Also if you find a cheap roll of old coax at the flea market and you think you may want to use it for the new 15 meter vertical, then you don't need to worry about the jacket type. It will probably be just fine in this application. On the other side, stay away from cable with a discolored dielectric for applications above HF. It will have excess loss. The best thing is take the money you saved using the older cables on HF and buy one of the newer low loss cables for the VHF/UHF applications. ■

73, Bob W1XP

## ***Recognizing a Stroke***

Sometimes symptoms of a stroke are difficult to identify. Unfortunately, the lack of awareness can spell disaster. The stroke victim may suffer brain damage when people nearby fail to recognize the symptoms of a stroke. Now doctors say a bystander can recognize a stroke by asking three simple questions:

- Ask the individual to SMILE.
- Ask him or her to RAISE BOTH ARMS.
- Ask the person to SPEAK A SIMPLE SENTENCE. (Coherently) (e.g., It is sunny out today.)

If a person has trouble with any of these tasks, call 9-1-1 immediately and describe symptoms to the dispatcher.



## ***Interesting Story About World War II***

***Submitted by Dick Diddams, W7QHE***

This article, written by Brian McMahon for the magazine "Mental Floss", recounts the following amazing story:

Starting in 1941, increasing numbers of British airmen found themselves as the involuntary guests of the Third Reich, and the Crown was casting about for ways and means to facilitate their escape. Now obviously, one of the most helpful aids to that end is a useful, accurate map, one showing not only where-stuff-was, but also showing the locations of "safe houses" a POW on-the-lam could go to for food and shelter.

Paper maps had real drawbacks: they make a lot of noise when you open and fold them, they wear-out rapidly, and if they get wet, they turn into mush. Someone in the MI-5 branch (one hopes it was the youthful incarnation of "Q"!), got the idea of printing escape maps on silk. It's durable, can be scrunched-up into tiny wads and unfolded as many times as needed, and makes no noise whatever.

At that time, there was only one manufacturer in Great Britain that had perfected the technology of printing on silk, and that was John Waddington, Ltd. When approached by HM Government, the firm was only too happy to do its bit for the war effort.

By pure coincidence, Waddington's was also the U.K. licensee for the popular American board game, Monopoly. As it happened, " games and pastimes" was a category of item qualified for insertion into "CARE packages" dispatched by the International Red Cross to prisoners of war of all belligerents.

Under strictest secrecy, in a securely guarded and inaccessible old workshop on the grounds of Waddington's, a group of sworn-to-secrecy employees began mass-producing escape maps, keyed to each region of Germany or Italy where Allied POW camps were located (Red Cross packages were delivered to prisoners in accordance with that same regional system). When processed, these maps could be folded into such tiny dots that they would actually fit inside a Monopoly playing piece

As long as they were at it, the clever workmen at Waddington's also managed to add:

1. A playing token containing a small magnetic compass.
2. A two-part metal file that could easily be screwed together.
3. Useful amounts of genuine high-denomination German, Italian and French currency hidden within the piles of Monopoly money!

British and American air crews were advised, before taking off on their first missions, on how to identify a "rigged" Monopoly set - by means of a tiny red dot, one cleverly rigged to look like an ordinary printing glitch, located in the corner of the Free Parking square! Of the estimated 35,000 Allied POWS who successfully escaped, perhaps one-third were aided in their flight by the rigged Monopoly sets. Everyone who did so was sworn to secrecy indefinitely - HM Government might want to use this highly successful ruse in another, future war.

The story wasn't declassified until 2007, when the surviving craftsmen from Waddington's, as well as the firm itself, were finally honored in a public ceremony.

At any rate, it's always nice when you can play that "Get Out of Jail Free" card! ■

## *Which Way?* *Solution to September's Riddle*

*By Dick Hughes, W6CCD*

The father, being a very smart man, realizes that there could be four different combinations of Indians to choose from. There could be two true tellers, two liars, and two combinations of one truth teller and one liar. He knows that his first question has to determine what tribe the second Indian comes from so that he can ask the second Indian, "Which is the right road to the resort?" and act accordingly, depending upon whether that second Indian is a liar or a truth teller.

To determine which tribe the second Indian comes from, the father creates a **binary truth table**.

1 <sup>st</sup> Indian	2 <sup>nd</sup> Indian	Answer
Truth Teller	Truth Teller	
Truth Teller	Liar	
Liar	Truth Teller	
Liar	Liar	

He designs a question for the first Indian that will determine the tribe of the second Indian. That question is, "Is that man a member of your tribe?" Then he applies the question to the truth table.

1 <sup>st</sup> Indian	2 <sup>nd</sup> Indian	Answer
Truth Teller	Truth Teller	Yes
Truth Teller	Liar	No
Liar	Truth Teller	Yes
Liar	Liar	No

He then knows that, when he asks the first Indian, "Is that man a member of your tribe?" and he gets a Yes answer, he knows that the second Indian is a truth teller. If he gets a No answer, he knows that the second Indian is a liar. When he asks the second question of the second Indian, he knows which road to take. ■

## New Benefit for ARRL Members

You may want to get rid of those stacks of old QSTs you have been saving over the years. You no longer have to keep them just to be able to refer to articles of interest.

ARRL members can now access the online "QST Magazine Archive" <http://www.arrl.org/members-only/gqsearch.html>. This new benefit -- a service of the ARRL Technical Information Service (TIS) -- provides PDF copies of all QST articles from December 1915 through December 2004, enabling members to view and print their favorite article, project and more. Access to the new online digital QST archive is *free* for ARRL members.

Members can research articles on any subject of interest, or simply peruse past issues for their historical value. This will be a popular benefit to both new and long-time members. ■



## Silent Key

### Michael Keefe, KC7QZB

Michael P. Keefe, 73, of Prescott Valley passed away due to cancer on Sept. 6, 2008, at his sister and brother-in-law's home in Scottsdale, Ariz.

Michael was a Navy veteran, member of the Yavapai County Sheriff Search and Rescue, VFW, Yamaha Star Chapter 329, Blue Knights Law Enforcement Motorcycle Club, AZ II, and member of the Yavapai Amateur Radio Club.

Michael moved to Prescott Valley, AZ in 1984. A few years later, he became active in Motor Team duties on the Baker to Vegas Law Enforcement relay race every year except for two, due to his health in later years. He loved law enforcement activities and his BIKE, mostly his Bike.

Services took place in Cheyenne, Wyo. For remembrances, go to [www.michaelkeefe.me](http://www.michaelkeefe.me). ■

# Another War Story

By Dick Hughes, W6CCD

The year was 1956. I was an Aircraft Performance Engineer on the B-36D aircraft. This was in the middle of the cold war, and most of our training flights were to make simulated bomb runs against U.S. cities that had a radar signature similar to cities that were targets in the U.S.S.R. We often carried nuclear weapons in our bomb bays.

The B-36 was a very large aircraft. It had six R-4360 pusher engines, and four J-47 jets. It could carry 55,000 gallons of aviation fuel with the belly tanks installed. It is the largest bomber ever used by the Air Force. With a wingspan of 230 ft. and a length of 162 ft., it is larger than the B-52 in size, but the B-52 has a larger take-off gross weight. The B-36 could carry 86,000 lbs. of conventional or nuclear bombs, where the B-52 is limited to 60,000 lbs. For armament, the B-36 carried sixteen 20-mm cannons. The B-52 has one Gatling gun in the tail.

The weakest link in the B-36 was its K1 radar system which was a tube-type radar. Fully 25% of aborted flights were due to failures of the K1. The B-36 was also plagued with numerous other problems. This is a story about one of our troubled flights.

We took off in early morning from Spokane Washington. It was foggy and raining. Not good conditions for the time. After reaching our cruising altitude (the B-36 could fly at over 45,000 feet) the radar operator reported that the radar was out, and couldn't be repaired in the air. We couldn't return to Fairchild A.F.B. because it was completely socked in by now. We received clearance to land at Walker AFB in Roswell New Mexico. The only problem with that was that the Wing was on TDY to Guam, and we would be on our own.

On the way to Walker, we had a runaway prop on one of the R-4360 pusher engines. When that happens, the prop goes flat due to a problem in the hub (usually lack of oil) and the engine speeds up. If not shut down immediately, the engine could destroy itself. As the flight engineer it was my job to turn it off, and quickly. The rest of the flight was uneventful, but when we landed at Walker, two of our main gear brakes caught on fire. Fortunately, this went out when we stopped. After we parked the aircraft, we were able to borrow enough tools and scaffolding to work on the prop hub. This took us most of two days.

When we were finally able to take off for Fairchild, we

had another runaway on takeoff (different engine.) Then about half-way home, the engine we repaired ran away again. Now we had two of our six reciprocating engines shut down. As we approached the State of Washington, another engine caught fire. We activated the fire extinguisher, but the engine continued to burn. The Aircraft Commander gave us the option of bailing out. Being the middle of winter, bailing out over the snow covered mountains with no survival gear did not appeal to us. We elected to stay with the aircraft. So there we were with three engines out and one of those on fire as we made our approach to Fairchild. Witnesses said they observed molted metal falling from the plane as we came in. We did land successfully, and the fire department was right there to handle the fire. Those were certainly exciting days, but not something I would like to repeat. ■

## Think YOU'RE Having a Bad Day ?

### Just in case you are having a "bad day":

The average cost of rehabilitating a seal after the Exxon Valdez oil spill in Alaska was \$80,000. At a special ceremony, two of the most expensively saved animals were released back into the wild amid cheers and applause from onlookers. A minute later, in full view, they were both eaten by a killer whale.

A psychology student in New York rented out her spare room to a carpenter in order to nag him constantly and study his reactions. After weeks of needling, he snapped and beat her repeatedly with an ax leaving her mentally retarded.

A woman came home to find her husband in the kitchen, shaking frantically with what looked like a wire running from his waist towards the electric kettle. Intending to jolt him away from the deadly current, she whacked him with a handy plank of wood by the back door, breaking his arm in two places. Until that moment he had been happily listening to his walkman.

Two animal rights protesters were protesting at the cruelty of sending pigs to a slaughterhouse in Bonn. Suddenly the pigs, all two thousand of them, escaped through a broken fence and stampeded, trampling the two hapless protesters to death.

And finally.....

Iraqi terrorist, Khay Rahnajet, didn't pay enough postage on a letter bomb. It came back with "return to sender" stamped on it. Forgetting it was the bomb, he opened it and was blown to bits.

**There now! Your day's not so bad, is it?**

## 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,  
2<sup>nd</sup> Floor; above Bank of America)  
informal – all are invited

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

## Area Repeaters

Frequency	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+	100.0	Prescott Heights	W2YAV				
147.140+	162.2	Flagstaff/-Mt. Elden	ARA		Linked to Mt. Ord 147.360-		
147.220+	162.2	Mingus Mtn	VVARA				
147.260+	103.5	Mt. Union	ARES/RACES				
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. 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/](http://www.w7ara.org/Web/)
- [www.azrepeaters.net](http://www.azrepeaters.net)
- [www.azfreqcoord.org/listings.htm](http://www.azfreqcoord.org/listings.htm)

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Many thanks to Bob Smith, WB6ODR, our Webmaster

