

# YAVAPAI SIGNAL

The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 20 – No.10 • October 2005

## From the President's Desk



YARC is having an interesting, busy couple of months. Amateur radio license classes started the second week of September. If the first class is any indication, we should

see a good number of new amateurs in a couple of months, and a few new club members. We are busy with public service events, with the Groom Creek Community Classic Run for the Red and the Prescott Valley World Arts Festival in September, and the Prescott Road Rally, the Prescott Air Fair and the America's Walk for Diabetes in October. In addition to this, it is possible some ARES/RACES members will assist in providing communications at shelters in Prescott for the evacuees from Hurricane Katrina. These things make a demand on the club. While amateur radio is a hobby, we are in a unique position to provide public service and emergency communications. Working public service events help us hone our skills so when we have to deal with an emergency event, we are prepared. I encourage any and all members who can possibly assist in providing communications in these events to do so. Not only is it good training and provides a valuable service, it is a lot of fun.

We also have elections coming up at the November meeting. We will be electing a Vice President, Secretary and members-at-large for the Board of Directors. Bob, WB7RRQ, and Terry, KB7TRE, are serving as the election committee. If you would like to serve as an officer or on the board of directors (self-nominations are just fine), or know someone who would, please contact Bob or Terry. Nominations will be taken at the October and November meetings.

We are in the process of submitting an application to be an ARRL Special Services Club. This will be a nice distinction for the club.

There is a possibility that our IRLP node will become linked to a 440 MHz repeater on Glassford Hill in the not-too-distant future, greatly enhancing the utility of the node. This new addition to the club is already piquing the interests of club members, local hams and students in Terry's amateur radio club.

It is, indeed, an interesting time for YARC. I'm hopeful that members keep getting interested in and participate in club activities. It is what makes the club worthwhile.

73,

John, WB9VGJ

## Welcome to the Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated 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. 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 1/2 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 6:45 p.m. local time on the 147.220+ repeater on Mingus Mountain.

## Club Repeater

The local 146.880- repeater is the official adopted repeater for the YARC. It is located on the hill above Willow Creek road and requires a PL of 100.0 Hz. If you hear a 1400 Hz pulsing tone, the repeater is on backup battery power and usage should be limited to necessary communications. Many thanks to Bill Kafka, W2YAV.

## VE Testing



VE testing will be held for all license classes at the Jeep Posse Bldg at Pioneer Park on Commerce Dr in Prescott on Saturday, November 12<sup>th</sup> 2005 beginning at 10:00 a.m.

Testing fee is \$14.00. You will need to bring a photo id as well as a copy and the original of your last CSCE & current ham license.

Due to space & to provide everyone with quiet testing accommodations, the code exam will be given after everyone has finished the written exam.

If you have any questions please call Mary – AB7NK at 928-775-2158.

## YARC Officers for 2005

|  |  |
|--|--|
| <i>President</i><br>John Broughton, WB9VGJ<br>wb9vgj@arrl.org  | <i>Vice President</i><br>Bob Rosevear, WB7RRQ<br>rosevear520@comcast.net |
| <i>Secretary</i><br>Joe Oliver, AC6AA<br>joliver@commspeed.net | <i>Treasurer</i><br>David Passell, K6UWV<br>davidrex@northlink.com       |

YARC Board of Directors (includes Club Officers)  
Rex Mauldin – N7NGM  
Terry Pemberton – KB7TRE  
Jack Ragen – W3IVQ  
Walter Schumann – KF6SPS

Newsletter Editor: Joe Oliver, AC6AA

## Minutes of September 1, 2005 General Meeting

John, WB9VGJ called the meeting to order at 1900. The Pledge of Allegiance was recited and members introduced themselves.

**Visitors:** Vi Hughes and Lois Diddams.

**New Members:** Jeff Cotter, KB7YWB, Mary Vince, AB7NK, and Neil Vince, KA7JAS were voted into the club by a motion made by Terry, KB7TRE and seconded by Lloyd, WA6ZZJ. Bud Semon, N7CW was voted in on a motion by Bob, WB6ODR and seconded by Dave, K6UWV.

**Meeting Minutes:** A motion to approve minutes of the August 4, 2005 General meeting was made by Bob, WB7RRQ, and seconded by Terry, KB7TRE. A motion to approve the Board meeting minutes was made by Lloyd, WA6ZZJ and seconded by Jack, W3IVQ. Both were unanimously approved by membership.

**Treasurer's Report:** Dave, K6UWV reported a balance of \$1666.48. The report was approved on a motion by Bob, WB6ODR and seconded by Terry, KB7TRE.

### Committee Reports:

• **Lloyd, WA6ZZJ reported on several ARES/RACES/Public Service events:**

- **Groom Creek Run for the Red:** Operator positions have been filled for this Sunday, September 11<sup>th</sup> event.

- **Road Rally:** Scheduled for October 7<sup>th</sup> and 8<sup>th</sup>. Bob, WB7RRQ will coordinate this event.

- **America's Walk for Diabetes:** Will take place on Saturday, October 15<sup>th</sup> on the Yavapai Indian Reservation. John, WB9VGJ will be asking for radio operators.

- **Prescott Valley Art Fair:** Will require several operators for this two day event on September 17<sup>th</sup> and 18<sup>th</sup>. A club station will be set up and the ARES/RACES van will be parked.

- **Prescott Air Fair:** Six to eight operators will be needed for this event on Saturday, October 15<sup>th</sup>.

- **ARES/RACES:** A training meeting was held on Saturday, August 13<sup>th</sup> with 25 people attending.

Lloyd also read a Letter from ARRL President, Jim Haynie regarding the recovery efforts following hurricane Katrina and the important role that Amateur Radio will play.

• **John, WB9VGJ passed around sign-up sheets for two events:**

- **America's Walk for Diabetes:** Still needs two more operators.

- **Prescott Valley Arts Festival:** Many operators needed for two days to man HF and VHF equipment, as well as ARES personnel needed for the van.

• **Prescott Road Rally:** Bob, WB7RRQ still needs more people to sign up for this event.

• **Newsletter:** Joe, AC6AA thanked members for submitting material and asked that articles and pictures be submitted as soon as possible, but no later than the 21<sup>st</sup> of the month..

• **IRLP:** Jack, W7JLC reported on the IRLP usage. He and Richard, KE7DTR demonstrated IRLP to a group of enthusiastic students at Granite Mountain Middle School. John, WB9VGJ indicated that N7KPU is receptive to linking his Glassford Hill 440 repeater with the club's IRLP simplex node.

• **Club Brochures:** Jim, N5RO has printed a temporary supply of brochures for upcoming events.

• **Amateur Practice Net:** Jim, N5RO reported that this net has been successful, and temporarily will be dropped until the next group completes the Technician license class in November. Members thanked Jim and Mary, AB7NK for a job well done.

• **Patches/Badges/Shirts:** Dave, K6UWV has club patches for \$3.00; Bob, WB6ODR has badges for \$5.60; Dick, W6CCD can order club shirts for \$20.50.

• **License Class:** Chuck, K7QO announced a new Technician and General License class to start on September 12<sup>th</sup>.

### Old Business:

• **Yavapai County Fair Parking:** Mike, KD7DGT stated that six more positions still needed to be filled to assist the Jeep Posse on Sept. 22 through Oct. 2 at the County Fair.

• **ARRL Special Service Club Status:** To qualify for this special status, John, WB9VGJ reported that we still need to designate two positions – Public Information Officer and Technical Specialist. The Board suggested two members, who will be asked to volunteer. It is felt that the club is actively engaged in all other areas required for this program.

• **NetControl:** Terry, KB7TRE will be Net Control for the Wednesday night YARC net for September.

### New Business:

• **Elections in November:** Bob, WB7RRQ and Terry, KB7TRE volunteered to be a nominating committee for election of four board members-at-large, a vice-president, and a secretary.

• **Equipment for Students:** Terry, KB7TRE promised students completing their license class, that he would assist them in obtaining radios. Members were asked to donate equipment for this purpose.

### Announcements:

• **Balloon Flight:** Jack, W7JLC reported that a balloon flight is scheduled this weekend out of Phoenix area and will be on our IRLP node.

• **Donation:** Jack,, W7JLC made a motion that our club donate \$250 to the Hurricane Flood Relief fund. Bob, WB6ODR seconded the motion and members unanimously approved

• **Programs:** John Munderloh, Water Resource Manager, Town of Prescott Valley, will give a talk tonight on water resources. Roy, AD7FW will talk next month on the National Airspace System.

A motion was made by Terry, KB7TRE and seconded by Lloyd, WA6ZZJ to adjourn the business portion of the meeting at 1948. The motion carried and there was a break for refreshments.

**Drawing:** John, WB9VGJ won \$20.00 in the 50/50 drawing.

**Program:** John Munderloh, Water Resource Manager for Prescott Valley presented a slide show and discussed regional and Prescott Valley water resources. The Program ended at 2050.

Respectfully,

Joe, AC6AA  
Secretary

**Minutes of Board Meeting on September, 2005**

A Board meeting was held September 1, 2005. Present were John, WB9VGJ; Joe, AC6AA; Dave, K6UWV; Bob, WB7RRQ; Terry, KB7TRE; Jack, W3IVQ, and Walter, KF6SPS.

Requirements for becoming an ARRL Special Service Club were discussed. Names of members were suggested to fill the position of Technical Specialist and Public Information Officer.

Concern over usage of the club's IRLP node was addressed. Based on input from various sources, the Board concluded that usage guidelines were not necessary at this time. Linking of the IRLP node to N7KPU's 440 repeater will be on the agenda for the General Meeting.

Nominations for next year's Vice President, Secretary, and Board members-at-large were discussed. It was proposed that a fourth member-at-large be added, in lieu of requiring the past president to serve an additional year.


At the General Meeting, Terry, KB7TRE will report on Jack, W7JLC's IRLP presentation made to students at Granite Mountain Middle School, and their eagerness to attend the Technician license class to be given by Chuck, K7QO.

The meeting adjourned at 1845.

Respectfully,

Joe, AC6AA  
Secretary

**October Program – National Airspace System**  
Presented by Roy Jackson, AD7FW



Roy served eleven years in the military, two years in private industry, and several years with the Federal Government, twelve of which were with the Federal Aviation Administration where he was involved in the engineering support activities required for Air Traffic Control of the National Airspace System. He returned to private industry following the Air Traffic Controller's strike in the early nineteen-eighties. He retired from ARINC Research Corporation, Annapolis, MD and then spent seven years as a Telecommunications Consultant for various companies located around Washington, DC.

Roy relocated from Northern Virginia to Prescott in 2003.

He received his Tech Plus ham license in 1996, and passed the General and Extra exams at the conclusion of Chuck Adam's class.

His wife Carol is completing her final year as an elementary school teacher at the Franklin Phonetics Charter School in Prescott Valley.



**YARC TREASURER'S REPORT for September 2005**

*David Passell, K6UWV*  
Treasurer

**INCOME**

New Members (see applications for additional information)

|                   |        |        |          |      |       |
|-------------------|--------|--------|----------|------|-------|
| Jeffrey L. Cotter | KB7YWB | 09//06 | 09/01/05 | 1738 | 20.00 |
| Bud Semon         | N7CW   | 09//06 | 09/01/05 | cash | 20.00 |
| Neil A. Vince     | KA7JAS | 09//06 | 09/01/05 | 2939 | 20.00 |
| Mary M Vince      | AB7NK  | 09//06 | 09/01/05 | "    | 0.00  |

**Renewals (Update Roster)**

|                  |        |        |          |      |         |
|------------------|--------|--------|----------|------|---------|
| Walter Schumann  | KF6SPS | 10//06 | 09/01/05 | cash | 20.00   |
| Szczepan Bartold | KD7HCS | 08//06 | 09/01/05 | 2455 | 20.00   |
| Fred Schefflette | KC7TIN | 08//06 | 09/01/05 | 0217 | 20.00   |
| Hal Tritel       | N6OVE  | 08//06 | 09/01/05 | 2162 | 20.00   |
| Paul N. Cravens  | KE7BSX | 09//06 | 09/14/05 | 1083 | 20.00 * |
| John D. McArthur | KB2WPN | 06//06 | 08/25/05 | 2826 | 20.00   |

\* Need Application form. Sent to him in his return envelope.

**ARRL Renewals**  
none

**Other**

|               |                 |          |      |         |
|---------------|-----------------|----------|------|---------|
| 50/50 Drawing | 40 tickets sold | 09/01/05 | cash | 40.00   |
| T-Shirts      | -----           | 09/01/05 | cash | 20.46 * |

\* In future T-shirts will be 20.50

**Total Income**..... \$240.46

**EXPENSES**

|   |                              |          |       |         |
|---|------------------------------|----------|-------|---------|
| Harland Checks  | New 852 - 1001               | 08/02/05 | stmt. | 17.25   |
| John Broughton  | 50/50 winner                 | 09/01/05 | cash  | 20.00   |
| David Passell   | Cookies and drink            | 09/01/05 | 822   | 20.88   |
| David Passell   | Cookies and ice              | 09/01/05 | 823   | 8.28    |
| American Red Cross  |                              |          |       |         |
| Hurricane Disaster Relief   |                              | 09/06/05 | 824   | 250.00* |
| * Through Compass Bank which matched donation; equivalent to \$500.00 |                              |          |       |         |
| Jim Clark   | Ink Cartridges for Brochures | 09/15/05 | 825   | 60.61   |
| Insty Print   | September Newsletter         | 09/15/05 | 826   | 32.29   |

**Total Expenses**..... \$409.31

**Cash Flow (Income - Expenses) ...** -(\$168.85)

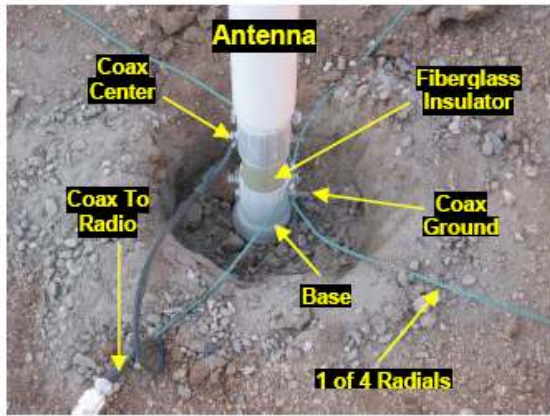
**Deposits** 09/16/05 220.46

**PREVIOUS REPORTED CHECKBOOK BALANCE** .....1666.48  
**CURRENT CHECKBOOK BALANCE** .....\$1497.63

**Ode to CW**

In days of old, when ops were bold,  
And sideband not invented;  
The words were passed by pounding brass,  
And all were quite contented.

FLAGPOLE ANTENNA  
Dick Diddams, W7QHE

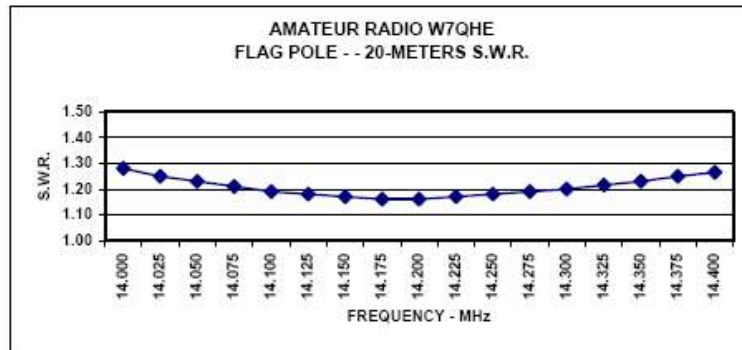


The Flagpole antenna has four (4) swaged tubing sections of 2.0-inch diameter aluminum dropping into each other for an overall height of 15.5-feet. The base is a PVC pipe and the fiberglass insulator is 1.5-inch diameter.

The antenna (with a tuner) is capable of operating on 40-10-Meters. However, it would be best to add a loading coil for the 7 MHz band, improving the antenna efficiency.

The four (4) number-12 insulated solid-wire radials (16-feet, each in length) are mounted about 2-inches under the ground. Photograph shows antenna installation prior to laying down the topsoil over the radials.

Since the antenna has been operational, with 100-watts, 16 countries and 26 states have been worked.



**ARES/RACES....**



By Lloyd, WA6ZZJ

ARES/RACES responded 12 operators to Phoenix Veterans Memorial Coliseum in September for Red Cross mutual aid communications at the Hurricane Katrina evacuation shelter. (See separate article)

**Public Service....**

**Groom Creek Run For The Red....**

It was a nice September morning as six members of YARC and ARES/RACES gathered at the Groom Creek Fire Station to provide public service communications for the 1<sup>st</sup> annual Groom Creek Run for the Red 10K run, 5K run and 2 mile race/walk. Temperatures were in the upper 50's to low 60's and the sun was shining brightly through the pines.

A total of 131 runners finished the 10K run. The operation secured around 9:30 and Friendly Pines Camp furnished food for the runners and volunteers.

Thanks to all who participated.

**Upcoming Events....**

October 7<sup>th</sup> and 8<sup>th</sup> will be the running of the Prescott Road Rally. Bob, WB7RRQ, is heading up this event and still needs operators as more road blocks have been added this year. If you haven't already signed up, contact Bob and get your name on the list. It is a good opportunity to see the rally cars in action.

October 15<sup>th</sup> will be the Americas Walk for Diabetes which will be held on the Yavapai Indian Reservation. John, WB9VGJ, is in charge of this event.

October 15<sup>th</sup> will also be public service communications at the Prescott Air Fair. Additional information on this event will be had at the October YARC meeting along with the sign up sheet. 8 to 10 operators will be needed for this event. Contact Lloyd, WA6ZZJ, to get your name on the list to help if you haven't already signed up. ■

**Like to Submit an Article for the Yavapai Signal?**

Share your experiences and/or knowledge with other club members.

Deadline for a submission is the 21<sup>st</sup> of the month.



Submit to Joe, AC6AA  
via mail,  
or e-mail:  
joliver@commspeed.net



Crew No. 1

One thing was rather obvious, and that is that IRLP seems to be a great interest getter for both hams and non-hams. Jack, W7JLC, even made a contact on IRLP with Antarctica. He and Doug, KV8TD, worked several HF contacts as 20 meters was very active. I worked a member of my former club back in Wheaton, IL, on IRLP. He has a 440 MHz repeater IRLP link in his house. It was nice to talk to him while giving IRLP demos. Joe, AC6AA, and Lloyd, WA6ZZJ, made up very nice displays of amateur and emergency communications information. Late Sunday afternoon, a strong wind gust did a good job of helping us decide it was time to take them down, though. I want to thank Jim, N5RO, for supplying us with the club brochures and flyers – they really were useful.

**The Prescott Valley World Arts Festival is a Success**

The verdict on YARC's first year of participation in the Prescott Valley World Arts Festival is that it was a success. During the two days of the festival, we had several people stop by the club booth to discuss amateur radio and/or how to get a license. We passed out several club brochures and flyers. I would not be surprised if Chuck's current license class grew a little bit the evening of Sep. 19<sup>th</sup>, as a few of the visitors gave strong indications they might join the class. We also met some area hams who stopped by to visit, one or two of whom may end up joining the club. The only downside was that the ARES/RACES communications van didn't get as many visitors as we would like, mainly due to its position behind the booth.



Y.A.R.C. Booth



W7JLC & KE7DTR – On-The-Air

The Prescott Valley Arts and Culture Commission chair told us that we would definitely be invited to participate in the festival next year. I believe this was an excellent opportunity to get some PR for the club and to make area residents more aware of our presence. I believe all the volunteers who helped man the booth enjoyed themselves. I know several of us really liked the ice cream cones.

I would like to thank all those who volunteered their time to make this event a success. Those who provided equipment, helped set up and/or manned the booth were, in no particular order: John, WB9VGJ; Neil, KA7JAS; Lloyd, WA6ZZJ and his XYL Jan; Joe, AC6AA; Pat, KE7DUC; Doug, KV8TD; Rich, N9CEX; Jim, N5RO; Rose, KE7DTY; Bob, WB7RRQ; Judy, KC7MTY; Terry, KB7TRE; Lee, KC7CBK; Bill, W6HDP; Jack, W7JLC; Ken, WA6AQK; Loraine, KD6FDA; Richard, KE7DTR; Walter, KF6SPS; Dick, W6CCD, and his XYL Vi.

73.....John, WB9VGJ



Snagging an Interested Person



Stilt Dancer



Van Setup

## ARES/RACES Assists Red Cross at Memorial Coliseum in Phoenix

By Mary, AB7NK



W7JLC, AB7NK, WB9VGJ, KC7TIL, AC7HP

When Hurricane Katrina ravished the coast of Alabama, Mississippi and Louisiana, little did we know that we'd be called upon to provide Mutual Aid.

Sunday, September 4, 2005, Lloyd – WA6ZZJ, received word that assistance was being requested from Yavapai County ARES/RACES to provide communications for the Red Cross at the Memorial Coliseum in Phoenix which was suddenly becoming home for many evacuees of Hurricane Katrina.

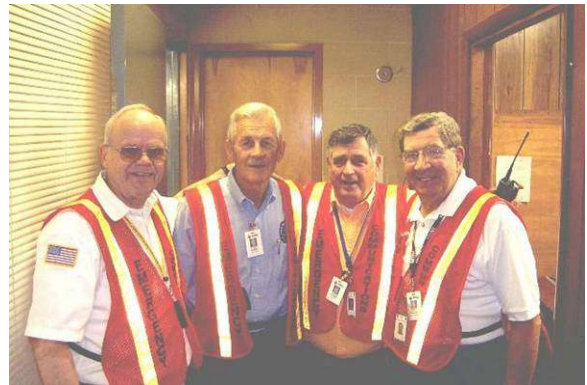
We were about to have the opportunity to put into use everything we've been training for. This was NOT an exercise!

The phone tree was activated Sept 5, 2005. 28 members were phoned and we had 15 volunteers, 12 of which had the opportunity to assist. We were able to respond with a team of 5 operators for September 7<sup>th</sup> and 8<sup>th</sup> and a team of 4 operators on September 14<sup>th</sup> and 15<sup>th</sup>.

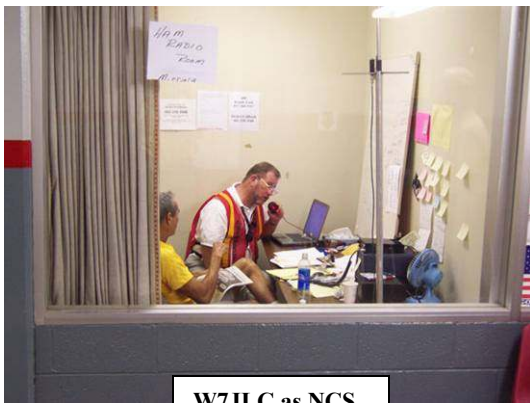
Thanks to the following 12 members who responded:

- September 7<sup>th</sup>: KE7DTZ, KF6SPS, N7VF, KV8TD, WA6ZZJ
- September 8<sup>th</sup>: AB7NK, WB9VGJ, W7JLC, AC7HP, KC7TIL
- September 14<sup>th</sup>: KE7DTZ, KF6SPS, N6VF, WA6ZZJ
- September 15<sup>th</sup>: AB7NK, KV8TD, W6CCD, N5RO

Standby list: K7YTI, N6LSA & KD7RMV



WA6ZZJ, N7VF, KE7DTZ, KF6SPS



W7JLC as NCS

Most of us had the opportunity to actually sit and chat with the evacuees and came home with our own stories. I think one thing we all shared was the satisfaction that **WE** made a difference and the fact that we were prepared when called upon. The weekly nets, training meetings, online courses and simulated emergencies all showed in the fact that we **WERE** prepared. Everyone should be very proud of themselves – **thank you!** ■



Main Floor of the Coliseum



Lunch Time



Evacuee Services

## This Month's Featured Ham

By Pat Oliver, KE7DUC



**Dick Diddams, W7QHE**

For the month, we interviewed and photographed another very interesting ham, Dick Diddams, W7QHE.

Dick's ham radio interest was sparked by an 8<sup>th</sup> grade class in Boy's shop, which was a radio class at Amphitheater Junior High School in Tucson. Each boy was provided a piece of flat aluminum, a cardboard box of components, and a schematic. They each had 6 weeks to build a radio.

During summer classes, the boys studied code for one hour per day for 6 weeks, followed by another 6 weeks of Amateur Radio theory along with half an hour per day of code practice. This was followed by more code practice and theory in the Fall. In the Spring of 1951, Dick took and passed his test for what is now known as a General Class license.

Out of the 22 boys enrolled in the original 8<sup>th</sup> grade class, 10 went on to study Electrical Engineering at the University of Arizona.

Since that early time, Dick and his wife Lois have lived and operated in Texas, Illinois, Michigan, Idaho, Colorado, China, Malaysia, the Philippines, and Scotland. They are now retired and live in Chino Valley. Dick's career encompassed many facets of engineering, mainly in the semiconductor industry.

His most memorable contact was with King Hussein, JY1. He was called the night prior to the contact and everything was arranged. Dick also has worked many countries, including North Korea (rare), Japan, Italy, and some other countries when they were first available.

Dick is very interested in emergency communications. While we were visiting, we saw his very well-equipped shack, mobile equipment, and several antennas, including a 72 foot motorized tower with a Force 12 C-31XR tribander.

He is quite ready for any emergency, with an interesting watertight "go box", generator, batteries, and an entire operating position dedicated to emergency communications.



**W7QHE's Go Box**

Dick prefers CW and uses a straight key for that purpose. He operates primarily on 160M, 75M (mobile), 20M, 6M, 2M, and 70 cm.

We found Dick to be a very knowledgeable and valuable member of our club. ■



### Correspondence

E-mail from Kris Bearscove, KC7UNK, former club member, via Bob, WB7RRQ.

**Dear friends and family. Tomorrow, Wednesday, I will be flying to Manassas, VA to begin my upgrade training to Captain for Colgan Air, Inc.(a US Airways Express and Continental Connection carrier). My ground school will last for 4 days ending on Sunday. Beginning Sept 1st I will be in St. Louis until the 13th for simulator training. Thank you for all your love and support to get me to this place in my career. I owe all of you, and especially God, for the privilege to be an airline Captain. I'll have e-mail access, so don't be afraid to write!**

**Love to all, Kris**

\*\*\*\*\*

**Hey folks! My new base for Colgan Air is Buffalo NY (where Niagara Falls is located)...I will still need an FAA Inspector to observe one of the flights I will be conducting and the company has not yet been able to schedule the FAA Inspector. So I may be able to go home after the 15<sup>th</sup>, but maybe not, we'll see.**

**In any case, my Captain tests end on Saturday. After that, I can be called a Captain!**

**God Bless and have a wonderful weekend!**

**Sincerely, Kris**

**Kris Bearscove, <http://home.midmaine.com/bearsck> or [bearsck@midmaine.com](mailto:bearsck@midmaine.com)**

## CQ DX de YARC

By Dick Diddams, W7QHE

### WORLD of DX - OCTOBER 2005

| Date       |            | DXCC Entity      | Call     | QSL via          | Reported by        | Info  |
|------------|------------|------------------|----------|------------------|--------------------|---|
| Start      | End        |                  |          |                  |                    |   |
| 2005 Sep24 | 2005 Oct06 | Kure Atoll       | K7C      | N4XP             | KK6EK<br>20050303  | All bands and modes; begin/end dates tentative.                       |
| 2005 Sep28 | 2005 Oct15 | Eastern Kiribati | T32SNW   | Home Call Direct | I28CCW<br>20050416 | SSB CW; Target islands: Flint, Vostok, and Caroline.                  |
| 2005 Sep25 | 2005 Oct07 | Aland Islands    | OH0P     | DJ2PJ            | DJ2PJ<br>20050905  | QSL OK via Buro, direct, or E-mail request.                           |
| 2005 Sep26 | 2005 Nov10 | Crete            | SV9      | WB2GAI Buro      | WB2GAI<br>20050915 | By WB2GAI; 80-10m; CW; Force 12 vertical dipoles.                     |
| 2005 Sep27 | 2005 Oct23 | Reunion          | FR       | F6AML            | F5NQL<br>20050908  | By F6AML fm AF-016; 40-10m; CW SSB; QSL OK via Buro or direct.        |
| 2005 Sep28 | 2005 Oct15 | Eastern Kiribati | T32      | Home Call Direct | I28CCW<br>20050416 | SSB CW; Target islands: Flint, Vostok, Caroline.                      |
| 2005 Sep30 | 2005 Oct02 | Seychelles       | S79RRC/a | RZ3EC            | 425DXN<br>20050917 | By RA3NAN RZ3EC fm Aldabra Is (AF-025).                               |
| 2005 Oct03 | 2005 Oct10 | Bhutan           | A52SY    | ON4ON            | 425DXN<br>20050730 | By ON5SY; focus on EU evenings + weekends; QSL OK via Buro or direct. |
| 2005 Oct05 | 2005 Oct07 | Seychelles       | S79RRC/f | RZ3EC            | 425DXN<br>20050917 | By RA3NAN RZ3EC fm Farquhar Is (AF-025).                              |
| 2005 Oct10 | 2005 Oct14 | Mayotte          | FH       | F6AML            | F5NQL<br>20050908  | By F6AML fm AF-027; 40-10m; CW SSB; QSL OK via Buro or direct.        |
| 2005 Oct23 | 2005 Nov07 | Christmas Island | VK9XG    | W0YG Direct      | 425DXN<br>20050730 | By W0YG.  |
| 2005 Oct24 | 2005 Dec01 | Tonga            | A35BO    | HB9FBO Direct    | HB9FBO<br>20050706 | By HB9FBO; 80-10m, perhaps 160m; SSB CW PSK31; verticals.             |
| 2005 Oct27 | 2005 Nov03 | Gibraltar        | ZB2      | See Info         | OPDX<br>20050829   | QSL: United Radio DX Team, P.O. BOX 33, Zichem B-3271, Belgium.       |

### MONTHLY HIGHLIGHTS

#### NORTH KOREA – P5

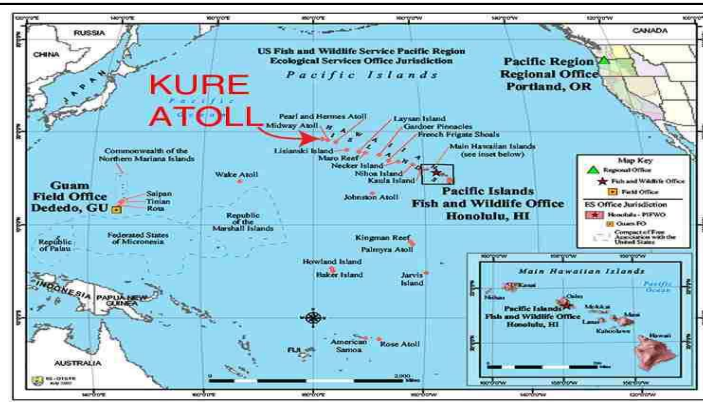
Dr. David Borenstein, KA2HTV was not permitted to operate in North Korea as planned due to an administrative problem caused by the Korean bureaucracy. However, David was able to leave equipment in the country for future DXpeditions.

#### TEMOTU ISLAND – H40

The number 69 country on the 100 Most Needed is Temotu Island. Six operators from Korea will activate island using five beam antennas and two verticals and a dipole. They will be operating as H44HL sometime in November this year.

#### NEW GERMAN CALLSIGNS

It has been reported Germany has started issuing DQ and DR prefix callsigns. 2 x 1 callsigns may now be assigned for club stations, i.e., DK2A, however there are no 2 x 1 individuals callsigns. DP prefixes were used for extra-territorial locations, such as Antarctica (DP0GVN or DP0POL). Currently only DP0-DP2 are extra-territorial. 2 x 1 calls DP3A-DPZ are for club stations. There are no DI amateur callsigns in Germany.



#### KURE ATOLL - KH7K USING K7C CALL

The Kure Atoll team departed on the 15<sup>th</sup> of September from Hawaii for a 9-day boat trip. Expect operation to begin on 24 September and end on 6 October using all operating modes and on 160-meters through 6-meters operating all modes.

Their first goal is to give as many different Dxers a contact with the island and that may mean focusing on the one or two most reliable bands for the first few days.

Depending on which 100 Most Needed Country poll one reviews, Kure Atoll is ranked no lower than number 10 worldwide.

They are operating as K7C/MM while at sea. QSL via K4TSJ.

Hi!



My name is Kenneth Severance, my call sign is WA6AQK. I am introducing myself because I am applying for a position on the Board of Directors for the Yavapai Amateur Radio Club for the Year 2006.

I have previously served as Past President and Administrative Vice President in various organizations. I worked with the committee to provide communication for my previous employer and this

committee successfully organized the Emergency Communication program. I am currently a member of the Yavapai Amateur Radio Club and ARES/RACES.

I would like to be given the opportunity to help advance the future of the Yavapai Amateur Radio Club for the year 2006. ■

Thanks,

73, Ken WA6AQK

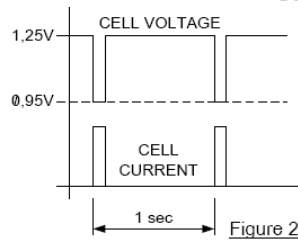
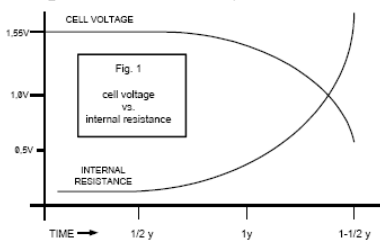
**The Enigma of the Dead Clock Battery**

By Paul, N6DMV Courtesy of the "Crosstalk"

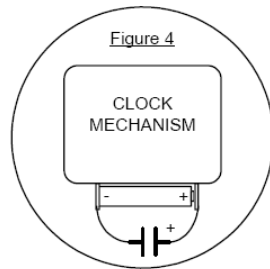
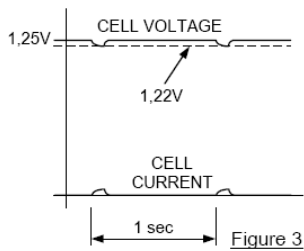
Did it ever happen to you, that you discovered that your clock battery gave out, losing time - the clock stopped completely, or the second hand just jerkingly trying to advance without success? It happened to me a few times, and I thought I will do something about it. At least extend the useful life of the battery. The following is an article as appeared in the March, 2004 issue of Hirmondo, an IHARC publication

It was noted, that toward the useful end of the batteries, the internal resistance increases along with the drop of the voltage. With no load on the cell, the voltage stays up for a relatively long time, although the internal resistance increasing dramatically. Most of the battery operated clocks feature a small, pulse duty electrical motor, stepping every second. The motor draws a relatively high current, but since the duty cycle is low, the batteries last from 6 months to about a year, or somewhat longer with a better clock. Figure 1. shows the relationship between the cell no-load voltage and the internal resistance.

Batteries come in different styles - alkaline, etc., so are the clocks. The graphs illustrate a hypothetical average 1.5V AA battery with a conventional clock. The fresh battery is about 1.55V, and the internal resistance is low. Fig.2 shows an aged, but still operational battery; it shows the large current the cell has to supply during pulsing.



By arranging (wrapping, soldering) 2 wires to the clock terminals and connecting (with the correct polarity!) a 1000-2000 microfarad capacitor (Fig. 4), the current out of the battery is dramatically reduced. The capacitor does the heavy lifting by supplying the current during the pulses. This very simple arrangement effectively reduces the battery-capacitor system's impedance, and during the pulse, the majority of the current is supplied by the capacitor. I had one of those failing batteries (Fig. 3), just tugging the second hand, but unable to advance it, for about 3 months sitting there and just jerking. Then I applied the capacitor, and the clock came to life -- the clock was running for almost an extra year on that half-dead battery! I use this system on all of my clocks with good results, and am using a 16V miniature electrolytic capacitor to cut down on the leakage current. In the long run, every microampere saving helps!



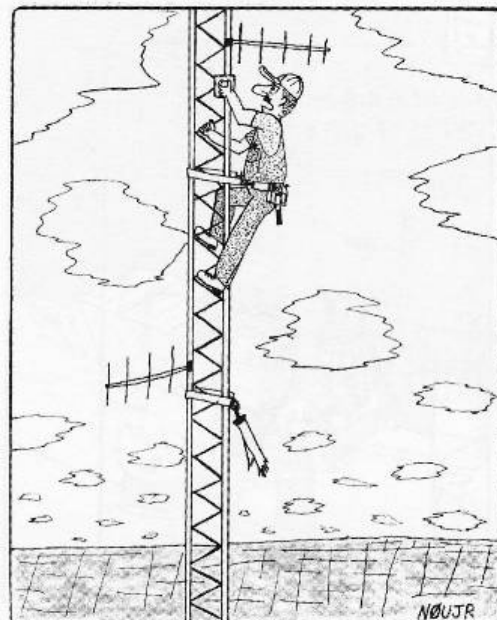
**Mosley TA53M**, a 4-element beam with dual driven elements which equal a 3-element beam on 10-12-15-17-20M. 14' boom and longest element 26'8"; 55 pounds assembled weight; 6.7 sq.ft. wind area. Asking **\$300 OBO**.

**TailTwister rotator and control box.** Factory reburbished in 2002 and on the shelf since then. Includes lower mast support. **\$400 OBO**.

**Extra TailTwister rotator – no control box. \$200 OBO.**

Call **Rich, N9CEX** at (928) 771-1614, or e-mail at [rncapts@netzero.com](mailto:rncapts@netzero.com)

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"So Bob...why did your ex-wife give you a new climbing belt for Christmas?"

**Area Repeaters**

**Weekly Breakfasts**



**Tues. & Thurs. Morning Breakfast –7:00 a.m. at Michael’s Restaurant**  
*(In the Safeway Shopping Ctr., Hwy 69 Prescott Valley (N 34°35'13.33" W112°19'44.6")\*)*  
*Informal – all are invited.*

**Wed. Morning Breakfasts: 7:00 a.m.**  
**Iron Horse Restaurant**  
*( S. 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

| Frequency | PL    | Location             | Owner/Club     | Auto Patch | Rem. Base Or Linked        | Vo IP | Notes:                        |
|-----------|-------|----------------------|----------------|------------|----------------------------|-------|-------------------------------|
| 52.560-   | 100.0 | Mt. Union            | N7NGM          |            |                            |       | -500KHz Offset                |
| 53.040-   | None  | Prescott Airport     | WB7BYV         |            |                            |       | -1MHz Offset                  |
| 146.780-  | 91.5  | Williams Mtn.        | BWARC          |            |                            | IRLP  |                               |
| 146.880-  | 100.0 | Prescott             | W2YAV/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          |            |                            |       |                               |
| 448.475-  | 100.0 | Flagstaff-Elden      | ARA            | Yes        |                            |       |                               |
| 448.500-  | 100.0 | Prescott             | KB6TWC         | Yes        | RB to White Tank 146.940   |       | E-mail owner for instructions |
| 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**  
**146.480 MHz Simplex**  
**123 Hz Access Tone**

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)

**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

