

# YAVAPAI SIGNAL

The Yavapai Amateur Radio Club \* Prescott, Arizona \* DM-34 \* Vol. 14 - No. 5 \* JUNE 2004

## 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/yr. The YARC meets at 7:00 PM local time on the 3rd Thursday of every month at the Granite Mountain Middle School, 1800 Williamson Valley Rd. in Prescott. It is about 1/2 mile north of Iron Springs Rd 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 PM local time on the 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 6:45PM local time on the 147.220+ repeater on Mingus Mtn.

## Club Repeater

The local 146.880- mHz repeater is the official adopted repeater for the YARC. It is located on the hill above Willow Creek Rd 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. The 147.040+ (100.0 PL) repeater is back up and running in Prescott

### YARC Officers for 2004

#### President

Rex Mauldin-N7NGM  
rxer@jolmail.com

#### Vice President

Dick Hughes-W6CCD  
w6ccd@arrl.net

#### Secretary

John Broughton-WB9VJG  
wb9vgj@arrl.net

#### Treasurer

Al Crook-KD7MTJ  
alcrook@access-4-free.com

#### YARC Board of Directors (includes Club Officers)

Bob Smith-WB6ODR

Frank Horneff-WA7JBV

Jack Ragen-W3IVQ

David Passell-K6UWV

Weekly Net Control-David Passell-K6UWV

Newsletter Editor-Hal Tritel-N6OVE



The year was 1913 and a large windstorm created havoc in the Midwest, tearing down telegraph and phone lines (what few existed then), shut down power plants and blew down transmission lines.

Amateurs at the University of Michigan and Ohio State University, along with scores of individual Amateurs in the region, successfully bridges the gap between isolated communities and the outside world. This was the first recorded

### WERS Walkie Talkie



Library of Congress, Prints & Photographs Division, FSA

instance in this country of Amateur Radio in providing emergency communications.

Amateurs helping out after

that Midwest storm had no organization. Amateurs who help out now are usually members of the Amateur Radio Emergency Service (ARES) - organized by the American Radio Relay League (ARRL), based in Newington CT.

The history of the ARES began in 1935 with a note in the September 1935 issue of QST magazine which is published by the ARRL asking hams interested in signing up for emergency communications to write to the League HQ in Newington CT. Initial instructions were for members to contact their local civic officials and offer their services. The goal, at that time, was to have at least one ARRL Emergency Corps (AEC) member in each community. The first local emergency coordinators were appointed in 1937.

World War II came along in 1941 and almost all amateur radio operation ceased and the government bought up much of the

*Minutes of May 2004 Meeting*

Meeting called to order at 1900 by Rex, N7NGM.

The Pledge of Allegiance was recited.

*Visitors:* Richard Bozeat; Jeanne Poague, KE4TGC; Albert Peck, KC6UVF.

*New members:* Albert Peck, KC6UVF.

*New licenses/Upgrades:* None

The minutes for the April meeting were approved. The motion to approve was made by Jim, N5RO, and seconded by Dick, W6CCD.

*Treasurer's report:* Fred, KC7TIN, who was filling in for KD7MTJ, gave the treasurer's report. The report is published in the May issue of the *Yavapai Signal*. The treasurer's report was accepted on a motion by Bob, WB6ODR, and seconded by Terry, KB7TRE.

Bob, WB6ODR, presented a certificate to Terry, KB7TRE, for his participation in the K7NRA operation last November at Gunsite Academy.

*Old Business:* Bob, WB6ODR, had a badge for a member not in attendance. Dick, W6CCD, reported that the T-Shirt Annex is able to provide the club with a knit shirt, with pockets and with no restriction for the arms in the yellow the club desires, for \$16.50. The price included a small club logo silk-screened on the front with a large logo on the back. The initial set-up fee would be \$18.00. For an individual's call sign on the front, the cost would be an additional \$1.25. The prices are based on a minimum order of 12 shirts. Attendees were polled about interest in buying such a shirt. A good number of members, more than the initial order number, indicated they would be interested. John, WB9VGJ, moved the club allocate up to \$25.00 to pay for the initial set-up fee, seconded by Dick, W6CCD. Terry, KB7TRE, offered an amendment to the motion for the club to allocate funds for Dick to purchase three shirts in sizes medium, large and extra large so club members could see the actual product and try the sizes before ordering. That cost, based on Dick's figures, would be \$49.50 plus tax. Doug, KV8TD, seconded his amendment. Terry's amendment and the original motion were both carried. Rex advised of the continuing effort to monitor

the BPL (Broadband over Power Line) test and implementation in the Cottonwood area for interference by amateur radio and that the VVARA (Verde Valley amateur Radio Association) has information on its Web site about BPL: <http://www.vvara.org/>

*For sale:* Frank, WA6JBV, advised he has a digital SWR bridge for sale.

Rex, N7NGM, told the attendees about the offer of the Blind Center to use its facilities for a club meeting and wanting help in determining the value of the amateur equipment it has. He asked for volunteers to help evaluate the equipment and advised the board decided not to hold a club meeting there. He showed the attendees the VVARA patch and informed them that the board decided to pursue getting an estimate on the cost of creating a patch for the club. He will follow up on getting the estimate. He advised he is working on getting speakers lined up for future club meetings.

*Committee Reports: Emergency/Public Service.* Lloyd, WA6ZZJ, reported on the Whiskey Row Marathon operation. He thanked the volunteers and advised there were 20 operators who worked the event, the largest number to date. He reminded of the ARES/RACES training session to be held on Saturday, 5/22, from 10:00 a.m. to noon. He said the next project would be helping with the move of the Red Cross to its new Sandretto Dr. location. He advised ARES/RACES would have a room to itself for the emergency radio station in the new facility. The station will include a dual-band UHF/VHF rig and a packet station. He announced the annual Diabetes walk on the Yavapai Indian reservation will be held on Saturday, October 16<sup>th</sup>.

Terry, KB7TRE, offered a compliment to Lloyd, WA6ZZJ, Lee, KC7CBK, and John, WB9VGJ, for their time and effort on ARES/RACES activities, including training classes.

*New Business:* Hal, N6OVE, asked members to be sure to get items for the Yavapai Signal to him no later than the Friday prior to a monthly meeting to allow him time to complete the newsletter and get it to the printer. He advised that he needs more material so he can fill up the

normal eight pages of the newsletter. He suggested it might be a good idea to have one or more club members offer to write a monthly column. He reminded attendees to give him information on any items they have for sale so he can include it in the newsletter.

John, WB9VGJ, announced he will be out of town in June and needs someone to volunteer to perform the monthly secretarial duties for the June meeting.

Rex reminded everyone about the plans to set up an amateur radio station at the Prescott Library on Saturday, June 19<sup>th</sup>, a sort of a pre-Field Day demonstration and public relations activity for amateur radio. There was some discussion about having material to handout at the event. It was mentioned that Lloyd, WA6ZZJ, is working on the club informational brochure. Bob, WB6ODR, made a motion, seconded by Terry, KB7TRE, that the club allocate up to \$50 to have copies of the club brochure printed up by Insty-Prints (the firm that prints the newsletter) in time to be used at the event. The motion was carried and Lloyd will handle the logistics. Rex also mentioned his attendance at the meeting in Jerome held by the Yavapai County Water Advisory Committee and how spirited it was.

The business portion of the meeting was adjourned at 1942 for a break.

The meeting reconvened at 2001.

Rex thanked KC7TIN for handling the treasurer's duties for the month.

The drawing was held and Frank, WA6JBV, won \$11.50.

Tom Tammen from Device Engineering Incorporated was the guest speaker. He gave a presentation on how his company designs and produces integrated circuits (IC).

The program ended at 2044.

*Respectfully,*

*John Broughton, WB9VGJ*

*Secretary*

## YARC Board Meeting Minutes

A board meeting of the YARC board was held at Granite Mountain Middle School 05/20/04.

Present were: Rex, N7NGM; Dick, W6CCD; John, WB9VGJ; Bob, WB6ODR; Frank, WA6JBV; Jack, W3IVQ.

The meeting was called to order by Rex, N7NGM at 1800. Rex showed attendees a patch from the Verde Valley Amateur Radio Association. He advised that Bob Budin, KJ7SJ has a contact for making the patches at a very reasonable price.

The VVARA charges members \$3.50 for a patch. The board agreed to look into having a patch for YARC created. Bob, WB6ODR, agreed to contact KJ7SJ to ask about getting an estimate for patches for YARC.

Rex advised that Bob Shipton, K8EQC, and another ham are continuing their efforts to monitor interference caused by BPL (Broadband over Power Line) in the Cottonwood area. It was offered that a Raleigh, NC, amateur club has some good information on BPL on its Web site.

[In doing a search, I found the Raleigh Amateur Radio Society, <http://www.rars.org/>, and the Smith Chart Amateur Radio Society, <http://smithchart.org/>, both have some BPL info on their Web sites.] VVARA (Verde Valley amateur Radio Association) also has information on its Web site about BPL: <http://www.vvara.org/>

Rex advised he had met with an official at the Blind Center. The official has offered its facilities for us to use for a meeting in June. The organization has an amateur station that hasn't been used for quite some time and would like one or more hams to advise it as to what the equipment might be worth. If it isn't used, the center is considering selling it.

It was also advised that the facilities could be used for VE testing. There was much discussion about this, including some about the problems encountered by the club and the center a few years ago. The board felt it was not in our best interests to hold a club meeting at the center, but that we could look for volunteers to help evaluate the equipment and keep the center in mind for possible future VE testing.

Rex informed the board he has been working on obtaining guest speakers for

## YARC TREASURER'S REPORT

May 2004

### INCOME

#### Renewals

20May04	Arnold Watson	KC7FMP	(May05)	Cash	\$20.00
20May04	Allen Elliot	KD7OEF	(May05)	Cash	20.00
20May04	Fred Zimmerman	N7PJN	(May05)	Cash	20.00
20May04	Ray Stone	K6CMU	(May05)	Cash	20.00
20May04	Marbrey L. Rogers	KC2FTW	(May05)	Check #3631	20.00

#### New Member

20May04	Albert O. Peck		(May05)	Cash	20.00
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20May04	50/50 Drawing				<u>23.00</u>
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TOTAL INCOME \$143.00

### EXPENSES

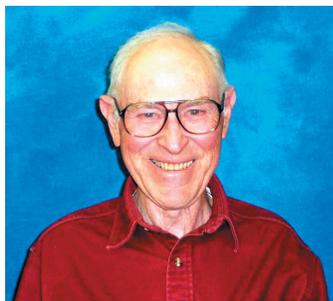
20May04	Insty-Prints	April Newsletter	Check #763	37.64
20May04	50/50 Drawing			<u>11.50</u>

TOTAL EXPENSES \$86.78

CASH FLOW \$56.22

### FISCAL STATUS

Previous Report	\$1,657.79
Checkbook Balance	\$1,714.01



Al Crook, KD7MTJ  
Treasurer  
25 May 2004

club meetings. Dick, W6CCD, advised a new member Dick Diddams, W7QHE, might be a possible guest speaker. He agreed to follow up with W7QHE to see if he would be interested. Rex mentioned he had attended a meeting of the Yavapai County Water Advisory Committee in Jerome and that there was a very lively discussion. It was mentioned that Jim Holt, manager of the Prescott Active Management Area (AMA) gave a well-received presentation to the club last year and that members might be interested in another presentation to be brought up to date on current water issues affecting us all.

I again brought up the idea of having QTH.

NET host a club mailing list. I advised that my club back in IL has been using QTH.NET for its mailing list for the past several years and has been very pleased with the service. QTH.NET will do it for free, but would like a \$25.00 annual donation. The service has a very good privacy policy and members of clubs using its services are not besieged with spam as a result. It is exceptionally useful as it allows all members of the club to use a single alias to send e-mail to all club members on the list. I asked that board members look into the details of the service before the next meeting to be able to offer an opinion on whether (*cont. on pg. 6*)



amateur equipment for use by the military. One unit, however, that did originate and operate throughout the war years was the War Emergency Radio Service (WERS). Their operation was limited to the 2 ½ and 1 ¼ meter bands with most of the activity on 112 - 114 mhz. There was no HF activity. The WERS wasn't established until June of 1942 and was disbanded in 1945. Operations, other than on the air drills, were limited to actual enemy activity. There was no provision for WERS to be used during natural disasters.

Back to the ARRL Emergency Corp, following WWII the position of Section Emergency Coordinator was established as an official appointment by the Section Communications Manager, (now SM). In 1951 the AEC became the Amateur Radio Emergency Corps (AREC). In 1963 the AREC was made the emergency division of the Amateur Radio Public Service Corps (ARPS) which included the National Traffic System (NTS) and the Radio Amateur Civil Emergency Service (RACES). In 1978 the AREC was changed to what we now know as the Amateur Radio Emergency Service (ARES).

The Radio Amateur Civil Emergency Service (RACES) as we know it today was started when in the early 1950's the ARRL, FCC and Civil Defense leaders were determined to have a viable radio Civil Defense program in place before it was needed. Thus, on December 19, 1951 at the same time CONELRAD was announced, the FCC released the proposed regulations for RACES. On August 15, 1952, the final RACES regulations were put into effect. Amateur Radio operators now had a civil Defense program in place that would utilize their communications

skills.

Before a RACES unit could be authorized, however, there were some requirements that had to be met. First, the local government needed a Civil Defense organization and a Communications Plan. The local Plan had to be approved at the State Civil Defense level. Next was the appointment of the Races Radio Officer. The Radio Officer, or RO for short, had to hold a Conditional, General, Advanced, or Extra Class amateur license, or a first or second class commercial radiotelegraph radiotelephone license.

After the Communications Plan was approved and the Radio Officer was certified, the station authorization could be issued. Amateurs submitted FCC Form 481 to have their station license made valid for RACES operation. Novices and Technicians were not eligible for RACES authorizations. The FCC and ARRL emphasized that membership in RACES was NOT an invitation to continue casual amateur radio activity in a war. RACES was strictly dedicated to public service, under the direction and control of the local Civil Defense unit. RACES was also limited to certain frequency segments which started below the 1.8 Mhz band and went up through the 220 Mhz band that were allocated to them.

RACES was never used during an enemy attack. Over the years, however, it proved its value in countless natural disasters. Frequencies were expanded, and Novices and Technicians were brought into the organization.

One interesting fact about RACES -- it was designed to be a TEMPORARY service. The initial regulations indicated it would be discontinued after the termination of the national emergency. CONELRAD has been gone for 37 years and the "Fallout Shelter" signs are gone or rusting away so why does RACES -- a temporary service -- still live?? The answer can be found in every natural disaster that hit's the U.S. -- every tornado, hurricane, flood, earthquake, blizzard and fire. Every time dedicated amateurs, working with their local Civil Defense or now Emergency Management Officials, provide effective emergency communications, they keep their "temporary" service alive.....

**YAVAPAI COUNTY ARES/RACES**

Prior to 1998, Yavapai County had two ARES groups and one RACES group all serving the same purpose. This meant three different nets and an overlap in several areas. It was decided in early 1998 to change to YAVAPAI COUNTY ARES/RACES and enroll all members into one group with dual membership.

Yavapai County ARES/RACES continues to function by actively providing emergency communications for the Yavapai County Office of Emergency Management and working closely with the cities and disaster organizations in the county to keep the 'temporary' service alive...

**Activation...**

ARES/RACES was activated at 10:50 a.m. on Thursday, June 3<sup>rd</sup> to provide communications from the Yavapai County Emergency Operating Center during the Agua Fire in Black Canyon City. KC7CBK, AB7NK and WA6ZZJ were at the EOC with Al Barber, AA7OV, providing communications from Black Canyon City. On standby if needed were KB6AH, KB7TRE, KC6ZHG, W7PCU, KD7NGB and KV8TD. Operations ceased when the fire no longer appeared to be a threat and the EOC shut down and communications wrapped up at 3:50 p.m.

Thanks to all of the operators that took part.

**Correction...**

In last months article on the Whiskey Row Marathon the call sign of Ken, WA6AQK, was mistakenly listed as WA6QAK.

*Lloyd, WA6ZZJ*

## Intriguing the Physicists, Radio Buff Shrinks an Antenna

By Ian Austen

A ham radio operator says he has developed a way to make antennas significantly smaller but still efficient.

Intriguing the Physicists, Radio Buff Shrinks an Antenna By IAN AUSTEN

WHILE a lifetime in ham radio played a role, it was love that ultimately led Rob Vincent to develop what he says is a way to make antennas significantly smaller but still efficient.

"About 1995 I had met a sweetheart and we fell in love," Mr. Vincent, now 60, recalled. "I went to live with her, but the only problem was that she lived on this postage stamp of a yard in a congested neighborhood."

The real estate owned by Carolyn Hardie, the woman Mr. Vincent later married, was an issue because his amateur radio interests had turned toward frequencies in the 160-meter band. That band is close to broadcast AM radio. And, like an AM station, operating on it requires a tall antenna - in Mr. Vincent's case, one that is 140 feet high. Aesthetic and zoning questions aside, the 50-by-100 foot lot was not big enough to accommodate the guy wires needed to stabilize a tower that high.

So Mr. Vincent, a technician with the University of Rhode Island's physics department, began thinking about ways to make antennas smaller. The end result is a system that he claims can produce antennas that are one-third to one-ninth as high as normally required. He has spoken to other ham operators in over 80 countries on the 160-meter band through his relatively new, self-supported backyard tower, which is one-third of the conventional minimum size.

Mr. Vincent said his improvements were not just applicable to ham radio towers. They could be used to either further shrink the tiny antennas in cellphones, he said, or boost their efficiency.

Small yet efficient antennas have long been a goal for radio researchers, said R. Dean Straw, the senior assistant technical editor for the American Radio Relay League, an association of amateur opera-

tors. "The holy grail is an antenna the size of a grain of salt that produces big signals," he said.

Generally the size of antennas increases with the wavelength of the frequencies they are transmitting or receiving. While there are several formulas for determining optimum height, the height of most antennas is one-quarter to one-half the wavelength. At 140 feet, for instance, Mr. Vincent's ham tower would have been slightly higher than one-quarter of the wavelength of 160 meters, which is equal to 525 feet.

Smaller antennas can be used, but with a trade-off. "When you get below a quarter-wavelength, efficiency drops off dramatically," Mr. Vincent said.

Before arriving at the university in the early 1990's in a still-unfulfilled quest to complete his undergraduate degree, Mr. Vincent spent about 30 years in radio-related engineering jobs, mostly with a radar division of Raytheon. But his tinkering with antennas dates back to when he obtained his first amateur radio license at the age of 14.

"I've always had a natural understanding of radio - maybe it's from a prior life," Mr. Vincent said. "But in those early days I could not fathom how an antenna worked."

The relationship between antenna height and efficiency was so well established that he initially kept his antenna-shrinking work a secret. Mr. Vincent also acknowledged that he had relatively little idea of what might work when he began the project.

"When I started out to do this it was 10 percent theory and 90 percent black magic," he said. After reviewing much of the literature, Mr. Vincent started designing antennas with special simulation software on a personal computer.

From the most promising of those virtual designs, he ran tests using antennas that were about 18 inches high and fashioned from copper-covered Plexiglas rods. One model seemed particularly successful until it lost its signal during a high-powered broadcast test. When Mr. Vincent went outside, he found only a lump of molten metal and plastic.

Gradually, he said, potential areas of improvement became apparent. He began

confiding in some friends from the ham radio world and faculty members in the physics department. One friend allowed Mr. Vincent to build a 46-foot-high experimental antenna at his country home, which includes a salt marsh. Saltwater is an antenna builder's dream. By providing a highly conductive base for the antenna, the water improves reception.

The big prototype improved upon conventional designs in many ways. But one crucial one involved the placement of devices known as load coils along its length. Load coils are commonly used in cellphone antennas to alter their current patterns. Conventional broadcast antennas, Mr. Vincent said, generally have a lot of current at the bottom and very little if any at the top. With his design, current is more evenly distributed.

To avoid suggestions that saltwater, not his design, was the magic, another 46-foot prototype followed, built on rock. It offered 80 to 100 percent of the efficiency of an antenna three times its size.

About three years ago, the University of Rhode Island became interested enough in Mr. Vincent's work that it gave him office space. After a review by engineering and physics professors, it began the process of patenting and selling the technology. Mr. Vincent has turned over all his rights to the university. "We've seen test data from Rob Vincent and it sure is attractive," said Quentin Turtle, the director of industry research and technology transfer for the university.

Mr. Straw of the radio relay league said he was impressed with Mr. Vincent's work ethic. "But I remain somewhat skeptical," he said. "I'd like to see some validated field test measurements." Mr. Vincent said he was aware that would-be buyers of his technology would demand better test results, although measuring the efficiency of antennas is difficult. But given the scrutiny his project has received to date, he said he was confident that his antennas would pass muster.

"I'm part of the technical staff to a whole bunch of Ph.D's," he said. "You can't fool these people."

Copyright N.Y. Times



**John Wilson  
1947–2003**

Hard to believe, but it has been a year since John passed away. We sure miss him.



**Check Out This Amazing Site**  
<http://micro.magnet.fsu.edu/primer/java/scienceopticsu/powersof10/index.htm>

*(continued from pg.3)*

it would be something useful for the club. I brought up the issue of updating the bylaws. After some discussion, it was agreed we'd approach the bylaws a few articles at a time and work to update them until all articles are addressed. Those volunteering to work on doing this were W3IVQ, N7NGM, W6CCD and WB9VGJ. We will update three sections per month, except that the first four will be done by the June meeting. Once this is completed and the board has agreed to all the changes, they will be presented to the general membership to be voted upon.

The meeting was adjourned at 1850.

*Respectfully,*

*John, WB9VGJ*

*Secretary*

**CAN COLD WATER CLEAN DISHES?**

A young man went to visit his 90-year old grandfather in a very secluded rural area of Maine. After spending the night, his grandfather prepared breakfast for him consisting of eggs and bacon. He noticed a film-like substance on his plate and he questioned his grandfather, "are these plates clean?" His grandfather replied, "Those plates are as clean as cold water can get them, so go on and finish your meal". That afternoon, while eating the hamburgers his grandfather made for lunch, he noticed tiny specks around the

edge of his plate and a substance that looked like dried egg yokes, so he asked again, "Are you sure these plates are clean??" Without looking up from his hamburger, the grandfather says, "I told you before: those dishes are as clean as coldwater can get them." Later that afternoon, he was on his way out to go visit friends in a nearby town. As he was leaving, his grandfather's dog started to growl and wouldn't let him pass so he said, "Grandfather, your dog won't let me out"..... Without diverting his attention from the football game he was watching on TV, his grandfather shouted,,,,,

"COLDWATER, go lay down!!"

**The Gathering of the Nuts**

A fellow Lucent Technologies retiree sent me e-mail asking about the Yahoo login ID I use on the Yahoo Lucent newsgroups we both participate in, which is my call sign. He said it looked like an amateur call sign to me; his dad was a ham, WB1DPI, who lived in Arizona near Benson and became a silent key in 1999. He said his dad hosted the first and subsequent 'Gathering of the Nuts' at Gammons Gulch. Gammons Gulch is an old West town and mining camp movie set, where his dad was caretaker. He said the first meeting was held because his dad and stepmother wanted to move their mobile home across a dry wash, so he called upon his amateur radio friends to help. I guess it just goes to show that hams will do most anything to help other hams.

So, I did a little Internet searching and found Gammons Gulch has a nice Web site, <http://www.gammonsgulch.com/>, with information about the town./set, which

does offer tours. We've now added it to the list of things to see when we get around to taking our southern Arizona trip.

The search also turned up a Web site with an account of that first annual 'Gathering of the Nuts' and hamfest. I thought club members might like reading about this first 'Gathering of the Nuts' and hamfest.

<http://www.geocities.com/Heartland/Hills/9446/gammons1.html>

Gammons Gulch Gathering History

Feb. 25, 1989

Sunday-- Very windy & Cold

The First Annual Gammons Gultch [sic] Ham Fest and Gathering of the Nuts

The first Gathering was to assist WB1DPI move his office from the movie set to it's [sic] present location. From this work party came the idea of an annual potluck. The date was changed to the first Saturday in April to take advantage of, hopefully, warmer weather.

The people involved had met on the Zia Link.

Five of these folks have been at every "Gathering" since.

21 people came.

WB1DPI George Thompson & Jan his XYL of Benson, AZ

W7GPO Ken & Ron Shaffer of Phoenix, AZ

N7LJD Bob Burnett of Phoenix, AZ

WA6IRJ Dave Harnish and his Dad & Mom of Phoenix, AZ

N7LZK Art Mc Mahon & June his XYL of Vail, AZ

WO7U Jack Goff of Benson, AZ

KB7ALL Carol Goff, Jacks XYL

KB6ESK Jim Bain of Ocotillo, CA

WE6T Ellen Bain, Jim's XYL

WB7ONJ Dave Wells of Pima, AZ

KB7CSE Gracie Wells, Dave's XYL

with friend Ellis Black

WB5HCP Bob Braziel of New Mexico

Carolyn Braziel his XYL

73,

John Broughton, WB9VGJ

## T-SHIRTS

Orders for club t-shirts will be taken at the June 17 club meeting. Be prepared to pay for your shirt or shirts at that time. I will need the size, and whether or not you want your call sign added to the front.

The shirts are yellow, similar to those you have seen worn by Lloyd Halgunseth and Lee Cunningham. They have collars, pockets and the sleeves are plain, not banded as most seem to prefer. I have seen the samples we ordered, and they are very nice.

We have regained ownership of the original silk-screen, but it is very, very old, and a new silk-screen positive will have to be created from the old one. At least we have a way to regain the artwork which is apparently lost. Now that T-Shirt Antics has taken over, we will be able to get more shirts whenever we want. They are the same folks that did our emergency vests.

The cost per shirt, including tax, front and rear graphics and call sign is \$18.93. If you don't want your call sign on the shirt it will be \$17.87. These prices are as close as I can come right now, and are based on a minimum order of 12 shirts. If the quantity ordered is 24 or more, the prices will drop to \$17.12 and \$16.06 respectively. If fewer are ordered, obviously it will be more.

It would help me a great deal if you could e-mail or call me with your preliminary order ahead of the meeting so we can get an idea of how many will be ordered. It will take two to three weeks to complete the order after I place it.

73, Dick – W6CCD

**HELP**  
troubleshooting help: Can anyone help me with a Kenwood 2550A which does not transmit voice.

Lee Rogers KC2FWT  
m\_lee\_rogers@yahoo.com

## NET CONTROL

*David, K6UWV, has volunteered to assume the duties of net control to give Dale, N7XFD, a well deserved rest. Anyone else who wants to volunteer, please contact Dale.*

**A very attractive lady goes up to a bar in a quiet rural pub. She gestures alluringly to the bartender who comes over immediately.**

**When he arrives, she seductively signals that he should bring his face closer to hers.**

**When he does she begins to gently caress his full beard. "Are you the manager?" she asks, softly stroking his face with both hands.**

**"Actually, no," the man replied.**

**"Can you get him for me? I need to speak to him" she says, running her hands beyond his beard and into his hair.**

**"I'm afraid I can't," breathes the bartender. "Is there anything I can do?"**

**"Yes, there is. I need you to give him a message," she continues, running her forefinger across the bartender's lips and slyly popping a couple of her fingers into his mouth and allowing him to suck them gently.**

**"What should I tell him?" the bartender manages to say.**

**"Tell him," she whispers, "there is no toilet paper, hand soap, or paper towels in the ladies room."**

## Man of the HUse

The husband had just finished reading the book "Man of the house.."

He stormed into the house and walked directly up to his wife. Pointing a finger in her face, he said, "From now on, I want you to know that I am the man of this house, and my word is law!

"I want you to prepare me a gourmet meal tonight, and when I'm finished eating my meal, I expect a sumptuous dessert afterward.

"Then, after dinner, you're going to draw me my bath so I can relax. And when I'm finished with my bath, guess who's going to dress me and comb my hair?"

His wife replied, "The friggin funeral director."



## EL ZARIBAH FLIES AGAIN!

Last May 22nd, I took a helicopter flight from the Prescott airport to Chino Valley and into Prescott which was part of an annual event sponsored by El Zaribah Shrine. While enroute to Prescott and at nearly 6500 feet, we flew slightly west of our current meeting location of which these two photos are the best of the quick fly-by which I thought would be of interest to everyone.

**oh oh!**

Little Nancy was in the garden filling in a hole when her neighbor peered over the fence.

Interested in what the cheeky-faced youngster was up to, he politely asked, "What are you doing there, Nancy?"

"My goldfish died," replied Nancy tearfully without looking up, "and I've just buried him."

The neighbor was very concerned. "That's an awfully big hole for a goldfish, isn't it?"

Nancy patted down the last heap of dirt then replied, "That's because he's inside your darn cat!"

**Weekly Information Net**

Wednesday Nights @ 7:00 pm 146.880 (100 PL)  
*If you don't have PL, transmit on 144.880 simplex when the repeater drops out.*  
*All amateurs welcome*

**Monthly Meeting**

3rd Thursday at Granite Middle School @ 7:00pm  
 (N 34°34'22.6" W 112°29'45.1")

**Next Meeting Thurs. July 15, 2004 @ 7 pm**

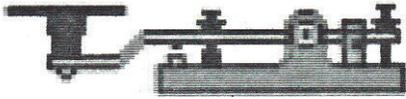
Wednesday morning breakfast–*Iron Horse Cafe*  
*S. Hwy 89 in Chino Valley*  
 (N 34°43'56.5" W 112°27'15.4")

*Informal –All are invited*

Thursday morning breakfast–*Michael's Restaurant*  
*in the Safeway Shopping Center,*  
*Hwy 69 Prescott Valley*  
 (N 34°35'13.33" W 112°19'44.6")

*Informal–All are invited*

Location data provided by Fred Zimmermann N7PJN, per WSG84



**AREA REPEATERS**

Frequency	PL	Location	Notes
52.560-	100.0	Mt. Union (-500 Khz)	CARS N7NGM
53.040-	C/S	Prescott Airport (-1Mhz)	KC7WBE
145.350-	C/S	Wildflower Mtn.	DAWN
145.370-	C/S	Towers Mountain	MMRG
146.780-	91.5tt	Bill Williams Mtn.	BWARC
146.880-	100.0	Prescott	YARC
146.980-	162.2	Flagstaff-Elden	CARC
147.000+	162.2	Mingus Mountain	MMRG
147.040+	100.0	Prescott Heights	W2YAV
147.140+	162.2	Flagstaff-Elden	ARA Link to Ord
147.220+	162.2	Mingus Mountain	VVARA
147.260+	103.5	Mt. Union	YC Emerg.Svcs.
223.960-	127.3	Chino Valley	NW7AZ*
442.150+	100.0	Mingus Mountain	Northlink
442.350+	100.0	Glassford Hill	N7KPU
448.475-	100.0	Flagstaff-Eldon	ARA
448.500-	100.0	Prescott	KB7TWC
448.875-	100.0	Flagstaff-Eldon	Northlink
449.175-	100.0	Towers Mountain	Northlink
448.5250-	127.3	Payson	K2YAW
927.3875	?	'P' Mountain	WB7BYV
			*off the air until further notice.

**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*

