



YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 23 – No.1 • January 2008

From the Editor...

This is the time to look back over the past year to evaluate our club's performance, as well as to see how we might improve that performance in 2008.

How well have we promoted Amateur Radio? This is a question you members will have to answer. From my point of view, we are a Special Service Club that has accomplished a lot over the past year. Our membership has increased steadily; we have good attendance at meetings, with interesting programs, including technical talks on grounding, WINLINK, etc., and we are involved in many activities. Some of these activities are as follows:

- YARC has sponsored ongoing and frequent License classes for Technicians, Generals, and Extra Class students. VE test sessions are regularly provided. There is strong involvement in ARES/RACES, with training meetings held quarterly. Members have improved their operating proficiency by providing communications for many public service events, including: 1) The Whiskey Row Marathon, 2) Prescott Road Rally, 3) Prescott Cycling Club Loop Challenge, 4) Prescott Diabetes Walk & Fun Run, 5) Groom Creek Classic Run/Walk, 6) March of Dimes Walkathon, and 7) Prescott YMCA Rails to Trails Run/Walk.
- In addition to participating in public service events, YARC, working with the Verde Valley Amateur Ra-

dio Association, sponsored or participated in the following events: 1) First Annual Prescott Hamfest, 2) Joint Field Day/BBQ, and 3) Amateur Radio Booth at the Yavapai County Fair. Also YARC members manned a booth at the Prescott Valley World Arts Festival, operated the NRA Special Event station at Gunsite, enjoyed a Family Picnic at Watson Lake, and had a pleasant Post Holiday Party.

- Our weekly net convenes every Wednesday night on the 146.880 MHz club repeater, and we maintain an IRLP node on the 442.350 MHz repeater.
- We have achieved increased visibility for our club's activities by regular coverage in the local newspapers, and we continually promote our hobby by participating in the events listed above.

We are fortunate to have energetic, capable leaders and many active, dedicated members supporting our various club activities. There are too many names to mention here, but many of these folks are the ones appearing in Pat's "This Month's Featured Ham" articles. A special thanks to those who have volunteered their time and effort.

This coming year, we should look forward to the challenges that lie ahead for our club. We must continue moving forward by increasing our membership, improving meeting attendance with interesting programs, being more involved with public service and emergency communications, continuing license classes, encouraging student in-

volvement, assisting new members, improving public relations, and sponsoring social events, as well as a variety of activities, such as a Field Day, a Hamfest, or perhaps a foxhunt. Let us explore all facets of amateur radio, in and effort to accommodate the varying interests of our membership. ■

Have a Great New Year...Joe, AC6AA

YARC Officers for 2008	
President	Vice President
Terry Pemberton, KB7TRE kb7tre@cableone.net	Jack Ragen, W3IVQ ragen@cableone.net
Secretary	Treasurer
Jeff Hanna, WB7RFY jeff668@commspeed.net	Patti Halgunseth, KD7VBG kd7vbg@cableone.net
YARC Board of Directors (includes Club Officers)	
John Broughton – WB9VGJ	
Tom Griswold -- N6LSA	
Richard Bozeat – KE7DTR	
Walter Schumann – KF6SPS	
Newsletter Editor: Joe Oliver, AC6AA	

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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. If you hear a 1400 Hz pulsing tone, the repeater is on backup battery power and usage should be limited to necessary communications. Our deepest gratitude to Bill Kafka, W2YAV for allowing us to acquire this repeater. ■

Membership Count:



1st Thurs. in Nov.....**136**

Gain/Loss.....+8

1st Thurs. in Dec.....**144***

* Includes 13ea 3-month memberships

Minutes of December 6, 2007 Board Meeting



A Board Meeting was held at 1815 MST. Present were Terry, KB7TRE; John, WB9VGJ; Pat, K7DUC; Mary, AB7NK; Jeff,

WB7RFY; Richard, KE7DTR; Walter, KF6SPS; Bob, WB7RRQ, and Ken, WA6AQK.

Field Day at Watson Lake: Everything is arranged for Field Day at Watson Lake. John suggested that the picnic be combined with Field Day. This will be discussed at the General meeting.

Programs: Buz Mills, K7GST will give a talk on "His career in the communications business" tonight. In January, Jack, W7JLC and Terry, KB7TRE will speak on the Balloon project, and in February Al, KD7MTJ will give a photo presentation on Utah and Northern Arizona. In March, Ellis, KE7NAP will have a presentation on the visually impaired.

NRA Special Event at Gunsite: Terry and John both felt that the day at Gunsite went very well.

3 Month Membership: The new members will be counted as temporary members and not counted for ARRL membership purposes, unless they join as a regular club member.

Post Holiday Party: Bob, WB7RRQ and Judy, KC7MTY have looked extensively for a site, and found that the Hotel St. Michael had the best facilities for the cost. We will have an excellent luncheon buffet and it will cost \$19.25 per person.

IRLP: Jo. L., KE7NSB and a reporter from the Courier will be at the meeting

tonight to do an article on IRLP.

50/50 Drawing: Mary, AB7NK suggested that the tickets be sold 6 for \$5 and 13 for \$10. More money will be collected and winner will receive more money. The Board concurred.

Gunsite QSL Costs: Mike, K7NRA has spent \$70 for paper and ink to purchase QSL cards. The club will reimburse Mike \$70 for his supplies.

Certificates: John, WB9VGJ asked the Board members to suggest people who they think deserve a certificate of appreciation at the end of the year. John will make up the certificates.

The Board adjourned at 1850 MST.

Respectfully submitted,

Pat, K7DUC

Secretary

Minutes of December 6, 2007 General Meeting

Terry, KB7TRE called the meeting to order at 1900 MST. The Pledge of Allegiance was recited and members introduced themselves.

Visitors David Arntz, N7NRE; Buz Mills, K7GST and Doug Cook;

New Members: Motions to vote in the following new members were made by John, WB9VGJ, and Bob, WB6ODR, and seconded by Ralph, W7HAM, Joe, AC6AA, and Bob, WB7RRQ:

David Drown, WN7L; Ray Shaver, KD6OBC; Sean Rooney, KF4LKM; Terry Lewis, W6KHN; Nicholas Spera, KI6NDB; Gregory Allen, KE7PXX; Inbar Epstein, KC2SLZ and Maria Ngomba, KE7PXW. The motions were approved.

Meeting Minutes: A motion to approve the November 1, 2007 Minutes was made by John, WB9VGJ and seconded by Lloyd, WA6ZZJ. The Meeting minutes were approved with a correction made to Buz Mills' name.

Treasurer's Report: Mary, AB7NK gave the Treasurer's Report. The previous balance was \$1,473.60, with the ending balance being \$1,616.72. The Repeater fund is currently a negative \$303.08. A motion to approve the report was made by John, WB9VGJ and seconded by Pete, K6VVR. The Treasurer's report was approved.

Committee Reports:

• **ARES/RACES/Public Service:** Lloyd, WA6ZZJ stated that the Rails to Trails public service event on Nov. 17th, was successful. The YMCA appreciated our help.

ARES/RACES received a certificate from the Mariposa County Office of Emergency Management for participating in their October exercise.

Radio and antenna were installed in the Congress Fire Station - Art Gross and Cathy donated the antenna.

Members participated in a "Dirty Bomb" exercise in Phoenix this month.

• **IRLP:** Bob, WB6ODR reported that coordination of the Glassford Hill problem has been resolved, and the IRLP is now on the Glassford Hill repeater.

• **Club Repeater:** Bob, WB6ODR indicated that Neil, KA7JAS has been working on the new repeater and it will be installed after the first of the year.

• **VE Testing:** Mary, AB7NK stated that VE testing will be held on Dec. 15, at 9:00 a.m. at Embry Riddle, Room KEC:132.

• **Radiograms:** Terry and Mary, AB7NK have been working with GMMS students every year to send student and faculty member radiograms. The school is working to

achieve an A+ accreditation, and the school appreciates the activities of the kid's club and the Technology class.

• **Refreshments:** Dave, K6UWV stated that an abundance of refreshments were available, with special thanks to Erika, KI7JZ for her generous contribution of food and drink.

• **Young Hams Net:** Tony, KI6AHH reported that the net it is going well.

Old Business:

• **NRA Special Event:** John, WB9VGJ stated that the NRA special event at Gunsite was very successful. He thanked Buz for his hospitality and Mike, K7NRA for the use of his call sign and for handling QSLs. John showed the certificate available to those working this special event station.

A motion was made by Bob, WB6ODR and seconded by John, WB9VGJ, to reimburse Terry for food he provided for this event. The motion was approved.

• **Field Day 2008:** Lloyd reported that the Watson Lake Ramada has been reserved for Field Day on June 28 to June 29th at noon. John, WB9VGJ suggested that the club picnic and Field day be combined. He made a motion to that effect, which was seconded by Ellis, KE7NAP. The motion passed.

• **After Christmas Party:** Bob, WB7RRQ checked on the availability of a suitable restaurant, and the final selection was the St. Michael's hotel. A buffet luncheon will be held on Jan. 19, 2008 at 1:00 p.m. The cost will be \$19.25/person. John, WB9VGJ made a motion to make a \$500.00 deposit available, and it was seconded by David, K6UWV. The motion was approved.

• **3 Month Membership:** Pat, K7DUC indicated that, for the purpose of counting ARRL membership, our 3 Month members will be designated as temporary members. Pat also promoted ARRL family memberships.

New Business:

• **Programs for Next Year:** Terry solicited ideas from the membership for next year's Programs. Jack, W7JLC and Terry will talk about their balloon project in January. In February, Al, KD7MTJ will have a photo presentation on his Utah trip. In March, Ellis, KE7NAP will have a presentation on the visually impaired.

• **Bradshaw Mt. Middle School:** Jim, N5RO has started a radio club for the students. He will appreciate donations of equipment and volunteer help.

• **Tax Donations to Schools:** Terry discussed the State's program allowing taxpayers credit for donations to public and private schools. He encouraged members to participate.

• **50/50 Drawing Tickets:** Mary stated that tickets will now be \$1 apiece, 6 for \$5, or 13 for \$10.

Tonight's Program will be given by Buz Mills, K7GST on his career in the communications business.

A motion to adjourn the business meeting was made by John, WB9VGJ and seconded by Bob, W7RRQ. The motion carried. The business meeting was adjourned at 2005 MST.

The 50/50 drawing was won by Rich, W7RCS, who won \$53.00.

Respectfully Submitted,

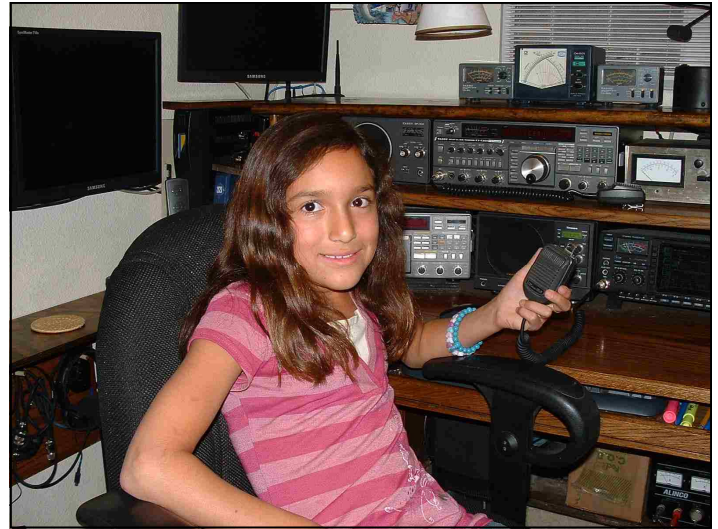
Pat, K7DUC
Secretary

This Month's Featured Hams

By Pat Oliver, K7DUC



Ken Line, W7MHW



Katie Line, KE7ODI

This month we interviewed another interesting duo, Katie Line, KE7ODI, and her grandfather, Ken Line, W7MHW.

After driving a mile or so of unpaved country roads, we finally arrived at the Line's 5 acre QTH in Paulden. Truly an isolated location with an extremely low noise level, it is ideal for ham radio.

We were met by Ken and Katie and two dogs. We later met a cat and were told there were two beautiful horses that we were unable to see.

Ken first became interested in ham radio while working with crystal radios with his Dad. He later went on to earn his technician license on this birthday, August 31, 1971. He has since become an Extra class operator about 5 or 6 years ago.

Katie, of course, was inspired by her grandfather, and is doing very well with the hobby, since earning her technician license on July 11, 2007. Since that time, she has worked 14 States on 6 meters and really enjoyed the pileup she attracted. She also works 2 meters and 70 centimeters, and talks with her friend, Meagan, KE7NAW.

Ken enjoys both 6 meters and 2 meter sideband. He occasionally works contests, while Katie is still a bit mic shy.

Their station consists of a 756 PROIII, FT-767, FT-736R, FT-1000, Dentron DTR-3KA, Henry 2006, MLA-2500, and FRG-965. His antennas include an 8-element 6 meter home brew beam, a 60 ft. vertical, and a full-wave 160 meter antenna, fed with ladder line.

Ken's most memorable mail was a QSL card from Hawaii, which was the 50th State he worked. Katie's was a QSL card from Tennessee. She has received 19 QSL cards to date, and has a very nice QSL card to send out to her contacts.

Ken played around with amateur TV in the 1960's. He built a 432 MHz transmitter, using 6J6 tubes.

Ken and Katie were born in California, moved to Tennessee, and came to Paulden, Arizona three years ago.

Ken has been in air conditioning and heating since 1979. Katie is in the 4th grade and has a lot of homework.

Both Ken and Katie are members of YARC and will probably be in more ham related activities in the future when their busy schedule permits.

Katie would like to see more kids involved with the club, while Ken would like to see more potlucks.

We are happy to have these two wonderful people in our club. They will contribute much to our hobby. ■



Treasurer's Financial Reporting Sheet

Club / Group Name: YARC
Reporting Date: Dec '07

Patti Halgunseth, KD7VBG
Treasurer



Members Name	Dues Paid	Repeater Fund	Donations	Prize Money Paid Out	Net Cash In per Member
David Drown/N=WN7L	\$18.00	\$12.00			\$30.00
Raymond Shaver/N=KD6OBC	\$18.00	\$2.00			\$20.00
Terry Lewis/N=W6KHN	\$18.00	\$2.00			\$20.00
Dan Nichols/R=W6SAK	\$18.00	\$2.00			\$20.00
John Miller/R=KD7TJZ	\$18.00	\$2.00			\$20.00
Bud Semon/R=N7CW	\$18.00	\$2.00			\$20.00
Ralph Gendron/R=W7HAM	\$18.00	\$2.00			\$20.00
Paul Lukas/R=N6DMV	\$18.00	\$2.00			\$20.00
Glen Dechert/R=W6KNX	\$18.00	\$2.00			\$20.00
Bob Thompson/R=KC8BOB	\$18.00	\$2.00			\$20.00
Starla Thompson/R=KE7DTS	\$0.00				\$0.00
Alyssa Thompson/R=KE7DTT	\$0.00				\$0.00
Kristi Thompson/R=KE7DVA	\$0.00				\$0.00
Jack Hanney/R=KB7CH	\$18.00	\$2.00			\$20.00
David Passell/R=K6UWV	\$18.00	\$2.00			\$20.00
Ed Yurkiewicz/ARRL	\$36.00				\$36.00
Joe Oliver/ARRL	\$36.00				\$36.00
Pat Oliver/ARRL	\$8.00				\$8.00
Terry Pemberton/ARRL	\$39.00				\$39.00
Sandy Pemberton/ARRL	\$8.00				\$8.00
Richard Bozeat/ARRL	\$36.00				\$36.00
3 Patches			\$9.00		\$9.00
50/50			\$106.00		\$106.00
Richard Strick-W7RCS				\$53.00	(\$53.00)
Total:	\$379.00	\$34.00	\$115.00	\$53.00	\$475.00

Miscellaneous Club Expenses	Cash Out	Check Number
Mike Campbell=Supplies NRA	\$70.00	978
Hotel St. Micheal=Deposit	\$500.00	981
David Passell=Refreshments	\$18.64	982
Insty Print=Newsletter	\$27.38	983
Pat Oliver=ARRL	\$129.00	984
Repeater Fund	\$34.00	Cash
Total	\$779.02	

Club Funds Summary	Totals
Starting Balance	\$1,616.72
Net Expenses	\$779.02
Net Income	\$475.00
	\$1,312.70
Repeater fund	- 269.08
Cash Flow	- 304.02



By Lloyd, WA6ZZJ

ARES/RACES THE YEAR IN REVIEW.....

ARES/RACES conducted four quarterly training sessions this past year concentrating on message handling with Packet Radio, Winlink and Airmail Packet Client for Winlink. Attendance at these meetings averaged 24 members per meeting with a total of over 300 person hours involved.

Also there were six Exercises and /or Activations totaling 150 person hours.

Fortunately, Prescott 'dodged the wildfire bullet' again this year although the conditions were ripe for a major conflagration to occur. There were several near misses, but the quick action on the part of our very capable firefighters in the area prevented them from becoming major fires. Unless we get a good amount of moisture before next years fire season we may be in the same situation all over again.

PUBLIC SERVICE THE YEAR IN REVIEW.....

Public Service or Special Event Communications started out relatively slow this past year, but definitely picked up speed later in the year with the majority of events taking place in September and October.

- The year started off with the Whiskey Row Marathon on May 5th where we had 19 operators involved for a total of 114 person hours.
- The next event was the Groom Creek Classic on September 15th with 7 operators for 21 person hours.
- The next day on September 16th we provided communications for the 54 Mile Loop Challenge with 8 operators and 96 person hours.

- YARC was also participating in the Prescott Valley Art Fair with a booth on September 15th & 16th with a total of 85 person hours.
- Next up was the booth at the Yavapai County Fair September 20th through 23rd with an estimated 100 +/- person hours.
- Once again this year we were called to communicate for the March of Dimes Walk America in Prescott. On September 23rd there were 5 operators that braved a rainy morning to assist on this event for 25 person hours.
- On October 5th & 6th came the 'granddaddy' of our yearly public service events, the Prescott Road Rally. This is the event that requires the most operators of all the events we currently provide communications for. There were approximately 41 operators involved for a total of 390 person hours. Operators from the VVARA as well as some out of area hams assisted with this event.
- On November 17th communications were provided for the second annual running of the Rails to Trails Race in Prescott and Prescott Valley with 18 operators putting in 72 person hours.

The total of public service and/or special event person hours reached approximately **1000** +/- for 2007. This does not take into account the hours spent putting together the communications plans and/or schedules for each event and other preparation time which can add up to many more hours.

YARC is an ARRL Special Service Club. Two of the requirements to maintain Special Service status are:

EMERGENCY COMMUNICATIONS

Purpose: Club members should become skilled in communicating effectively during communications emergencies and be prepared to assist when needed; Official Emergency Station appointment and participation in ARES.

OPERATING ACTIVITIES

Purpose: Active participation as a club in one or more major operating or operating support activities to ensure that your club maintains a high level of operating skill.

In all of the Special Events worked in 2007 only about 25% (and I'm being generous) of YARC members participated in

these events. Out of the 25% that did participate, there were 84% that worked two events or more with some taking part in all of the events. For the 75% not participating, please read on...

Participating in Public Service or Special Event radio communications can be a rewarding and fun experience for many different reasons. Some of these are:

- The camaraderie of being on a radio team (aka, working together).
- The chance to do something meaningful for a good cause.
- The satisfaction of using your radio equipment and opportunity to learn its various capabilities in real-life situations.
- The places and settings that you get to enjoy.
- Practicing for possible real life emergency communications.

Special events are normally held for the enjoyment of the public and often draw large crowds. They provide golden public relations opportunities for radio amateurs who provide support communications on a complimentary basis. They make our activities visible to non-amateurs. They sharpen our operating skills, and help justify our existence. And besides, operating special events is just plain fun!

Even if you are new to special event communications you will find that your fellow operators and net controls will work together to help you do a good job in the true Elmer spirit of our service. If we operate effectively we set an example for other amateurs and other officials we might someday serve. Outsiders listening to our communications will judge Amateur Radio and our club or group based on what they hear and see the club or group doing.

Wishing all a Very Happy New Year...

Lloyd WA6ZZJ



VE Tidbits



by Mary Vince – AB7NK

VE Testing in 2007

2007 turned out to be a great year for creating new hams and upgrading existing ones. Many thanks to the hard-working instructors who made it possible.

During the year we had 116 applicants taking 121 elements. The testing resulted in 61 new Technicians, 22 new General Class, and 15 new Extra Class. We even had one ace the Extra Class test, which was a first for us.

Congratulations to everyone, and I know the VE team is looking forward to an even better year in 2008.

Mary – AB7NK
VE Team Leader

For more information contact Mary, AB7NK
ab7nk@arri.net

New DXCC entity

The ARRL DXCC Desk is pleased to announce the addition of St Barthelemy (FJ) to the DXCC List, making the island entity number 338 with an effective date of 14 December, 2007. Cards with contacts dated December 14, 2007 or after will be accepted for DXCC credit. New card submissions for St Barthelemy will not be accepted until January 1, 2008 in order to allow time for administrative adjustments.

Program Speakers



January: Jack, W7JLC and Terry, KB7TRE will speak on the Balloon project.

February: Al, KD7MTJ will give a photo presentation on Utah and Northern Arizona.

March: Ellis, KE7NAP will have a presentation on the visually impaired.

Exchanges Between Airline Pilots and Control Towers

Submitted by Dick Diddams, W7QHE

You all probably have heard some of these - I received them from a former AF pilot friend of mine.....

Here are some conversations that the airline passengers don't hear. The following are accounts of actual exchanges between airline pilots and control towers around the world.

Tower: "Delta 351, you have traffic at 10 o'clock, 6 miles!"

Delta 351: "Give us another hint! We have digital watches!"

"TWA 2341, for noise abatement turn right 45 Degrees."

"Centre, we are at 35,000 feet. How much noise can we make up here?"

"Sir, have you ever heard the noise a 747 makes when it hits a 727?"

From an unknown aircraft waiting in a very long takeoff queue: "I'm f...ing bored!"

Ground Traffic Control: "Last aircraft transmitting, identify yourself immediately!"

Unknown aircraft: "I said I was f...ing bored, not f...ing stupid!"

O'Hare Approach Control to a 747: "United 329 heavy, your traffic is a Fokker, one o'clock, three miles, Eastbound."

United 239: "Approach, I've always wanted to say this... I've got the little Fokker in sight."

A student became lost during a solo cross-country flight. While attempting to locate the aircraft on radar, ATC asked, "What was your last known position?"

Student: "When I was number one for takeoff."

A DC-10 had come in a little hot and thus had an exceedingly long roll out after touching down.

San Jose Tower Noted: "American 751, make a hard right turn at the end of the runway, if you are able. If you are not able, take the Guadalupe exit off Highway 101, make a right at the lights and return to the airport."

There's a story about the military pilot calling for a priority landing because his single-engine jet fighter was running "a bit peaked". Air Traffic Control told the fighter jock that he was number two, behind a B-52 that had one engine shut down.

"Ah," the fighter pilot remarked, "The dreaded seven-engine approach."

Taxiing down the tarmac, a DC-10 abruptly stopped, turned around and returned to the gate. After an hour-long wait, it finally took off. A concerned passenger asked the flight attendant, "What, exactly, was the problem?"

"The pilot was bothered by a noise he heard in the engine," explained the flight attendant. "It took us a while to find a new pilot."

A Pan Am 727 flight waiting for start clearance in Munich overheard the following: Lufthansa (in German): "Ground, what is our start clearance time?"

Ground (in English): "If you want an answer you must speak in English."

Lufthansa (in English): "I am a German, flying a German airplane, in Germany. Why must I speak English?"

Unknown voice from another plane (in a beautiful British accent): "Because you lost the bloody war."

Tower: "Eastern 702, cleared for takeoff, contact Departure on frequency 124.7"

Eastern 702: "Tower, Eastern 702 switching to Departure. By the way, after we lifted off we saw some kind of dead animal on the far end of the runway."

Tower: "Continental 635, cleared for takeoff behind Eastern 702, contact Departure on frequency 124.7. Did you copy that report from Eastern 702?"

Continental 635: "Continental 635, cleared for takeoff, roger; and yes, we copied Eastern... we've already notified our caterers."

One day the pilot of a Cherokee 180 was told by the tower to hold short of the active runway while a DC-8 landed. The DC-8 landed, rolled out, turned around, and taxied back past the Cherokee.

Some quick-witted comedian in the DC-8 crew got on the radio and said, "What a cute little plane. Did you make it all by yourself?"

The Cherokee pilot, not about to let the insult go by, came back with a real zinger: "I made it out of DC-8 parts. Another landing like yours and I'll have enough parts for another one."

AND SAVING THE BEST TWO FOR LAST:

See Airlines Page 9

● **Airlines** (Continued from Page 8)

The German air controllers at Frankfurt Airport are renowned as a short-tempered lot. They not only expect one to know one's gate parking location, but how to get there without any assistance from them. So it was with some amusement that we (a Pan Am 747) listened to the following exchange between Frankfurt ground control and a British Airways 747, call sign Speedbird 206.

Speedbird 206: "Frankfurt, Speedbird 206 clear of active runway."

Ground: "Speedbird 206. Taxi to gate Alpha One-Seven."

The BA 747 pulled onto the main taxiway and slowed to a stop.

Ground: "Speedbird, do you not know where you are going?"

Speedbird 206: "Stand by, Ground, I'm looking up our gate location now."

Ground (with quite arrogant impatience): "Speedbird 206, have you not been to Frankfurt before?"

Speedbird 206 (coolly): "Yes, twice in 1944, but it was dark, -- and I didn't land."

While taxiing at London's Gatwick Airport, the crew of a US Air flight departing for Ft. Lauderdale made a wrong turn and came nose to nose with a United 727. An irate female ground controller lashed out at the US Air crew, screaming:

"US Air 2771, where the hell are you going?! I told you to turn right onto Charlie taxiway! You turned right on Delta! Stop right there. I know it's difficult for you to tell the difference between C and D, but get it right!"

Continuing her rage to the embarrassed crew, she was now shouting hysterically: "God! Now you've screwed everything up! It'll take forever to sort this out! You stay right there and don't move till I tell you to! You can expect progressive taxi instructions in about half an hour and I want you to go exactly where I tell you, when I tell you, and how I tell you!

You got that, US Air 2771?"

"Yes, ma'am," the humbled crew responded.

Naturally, the ground control communications frequency fell terribly silent after the verbal bashing of US Air 2771. Nobody wanted to chance engaging the irate ground controller in her current state of mind. Tension in every cockpit out around Gatwick was definitely running high. Just then an unknown pilot broke the silence and keyed his microphone, asking: "Wasn't I married to you once?" ■

Post Holiday Party



After searching many restaurants in the Prescott area, it was decided to have the Post Holiday YARC Party at the Hotel St. Michael's on Saturday, January 19 at 1 p.m.

The Hotel is located on the corner of Gurley Street across from the Courthouse. The luncheon will be a buffet consisting of Hearty Chicken with mushrooms and sherry served with rice, Tortellini with marinara or alfredo sauce, Roast Sirloin of beef served with roasted red potatoes, garden leaf salad. The cost is \$19.25 per person or \$38.50 per couple.

Please send your check to Robert Rosevear, 4929 North Pebble Circle, Prescott Valley, AZ 86314 NO LATER THAN January 10, 2008. We are looking forward to a good lunch and good times with friends.

73, Bob, WB7RRQ & Judy, KC7MTY

From the American Museum of Radio and Electricity

Who was the first radio advertiser?



Frank Conrad

The Hamilton Music Store in Wilkinsburg, Pennsylvania, supplied records to Dr. Frank Conrad in exchange for mention of the store's name during his twice-weekly broadcasts from amateur radio station 8XK. Dr. Conrad, an engineer at Westinghouse Electric Company, astounded other amateurs in October 1917 by talking over their Morse code and playing music. They called for their friends and families to listen and soon Dr. Conrad tired of talking, ran through his entire collection of music, and could no longer prevail on his sons to perform for the listening audience. The music store came to the rescue and radio advertising was born. So was a new term: Dr. Conrad was the first to use the word *broadcast* to describe what he did for two hours each Wednesday and Saturday.

The Benefits of Joining ARRL

By Pat Oliver, K7DUC

For less than the price of a cup of coffee per week, you can join the American Radio Relay League (ARRL), the national membership association for Amateur Radio operators, our organization.

The ARRL provides many member benefits:

- The monthly magazine, the QST, which is a valuable source for Amateur Radio news, information, projects, and equipment.
- The Technical Information Service - ARRL members enjoy, the problem solving knowledge of hundreds of experts through ARRL Technical Information Service.
- Ham Radio Equipment Insurance - "All Risk" protection. Safeguard your station, including antennas and towers from loss or damage by lightning, theft, accident, fire, flood, tornado, or other natural disasters (available to members who reside in the U.S., its territories and possessions.)
- Members Only Web Access - Features on-line information: Enjoy services, news, and features not available anywhere else. Product Review archive, article index, contest results, E-mail Forwarding Service ("your callsign"@arrl.net), and more.
- Outgoing QSL Service - Conveniently send DX QSL cards overseas to foreign QSL Bureaus with potential savings.
- Voice in Washington - preserving our privileges, ARRL supports legislation to protect the future of the Amateur Radio Services.
- Operating Awards - enhance your skills. Members enjoy participating in ARRL sponsored contests, and earning attractive ARRL awards.

There would be no Amateur Radio as we know it today, were it not for the ARRL.

Ask our Treasurer for a special ARRL Club Membership Application, or download the appropriate Application from the YARC website. Complete the Application and return it to the Treasurer with the Application fee.

By joining the ARRL, or renewing your ARRL membership through our club, there is no extra cost to you, and our

club gets to retain a portion of the Application fee. Consider that for only \$8.00 extra, you can have a family membership for all the hams living with you - they receive all benefits, but only one QST per family.

Join today! ■

From the ARIZONA SECTION NEWS Dec.2007
By Tom Fagan, WB7NXV, ARRL Sec. Mgr, AZ

SUMMER HAMFEST

Thank you for all the emails concerning the summer hamfest Williams vs. Ft. Tuthill. Most of you emailed me saying that you would like to see the summer hamfest in Phoenix with a greater emphasis on classes than a swap meet.

Yesterday, the summer hamfest ballots were opened at the Amateur Radio Council of Arizona (ARCA) meeting which was at the Superstition Amateur Radio Club Hamfest. 16 clubs voted and the results were 10 votes to keep the summer hamfest in Williams, 1 vote to remain in Williams for 2008 but move to ft. Tuthill in 2009 and 5 votes to move the hamfest to Ft. Tuthill in 2008.

Because of the number of emails that you sent me, Cliff Hauser KD6XH ARCA Chair tasked Doug Collins KE6JUK 1st Vice Chair to investigate the best possibilities concerning time, place and format of the State Convention. Lee Ilse KD7OED 2nd Vice Chair volunteered to assist Doug. The committee will provide a preliminary report at the Springfest ARCA meeting in Scottsdale and a final report at the 2008 State Convention in Williams. ■

Reprinted from Worldradio Books "the best of Beasley"
With permission from Robert Beasley, K6BJH



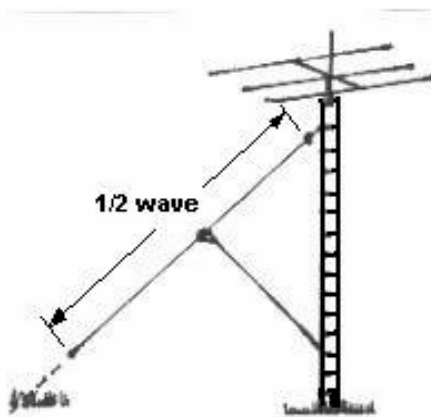
IT'S GETTING VERY LATE--- THE XYL REMINDED ME AN HOUR AGO THAT THE BAND COULD DROP OUT ANY TIME

1/4-Wave Slopers for Tower Owners

By Bruce Randall, W1ZE

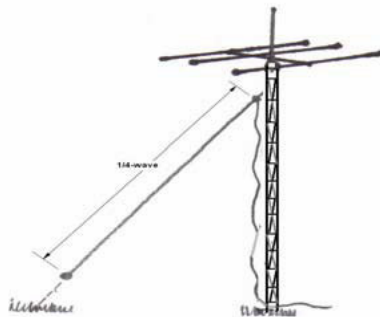
If you use a tower or push-up mast to support your HF or VHF antenna arrays and want to use it to support some wire HF antennas, maybe you may want to consider a sloper antenna.

A half-wave sloper is just a dipole that is supported at one end by high support such as a tower or tall tree, with the other end sloping down to a lower level support. The antenna will work well but like all dipoles the coax is feed to the mid-point of the antenna.



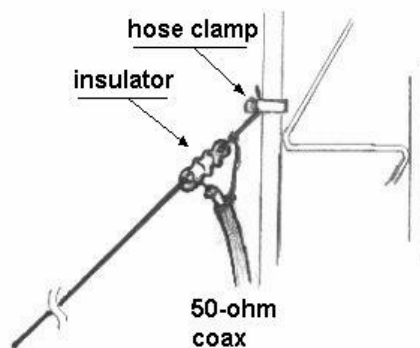
The typical 1/2 wave sloper

There is a second type of sloping wire antenna called a quarter-wave sloper. This too is a wire antenna supported by a high and grounded metal structure, such as an antenna tower or mast and it is only a quarter wavelength long. This antenna is fed by 50-ohm coax at the high-end support. The center conductor of the coax feeds the quarter-wave long wire and the coax shield is connected to the metal structure (tower/mast). The



The typical 1/4-wave sloper

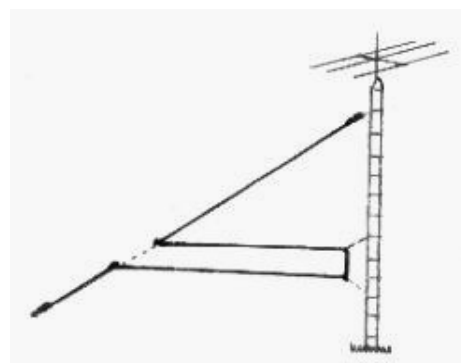
tower becomes the other grounded half of the antenna.



The quarter-wave sloper becomes a practical antenna on the bands below 14 MHz where antenna lengths could be a problem for those of us with limited real estate. I have enough room at my QTH for dipoles down to 3.5 MHz, but the 160-meter band is a challenge for me too.

Over the past years I have used slopers attached to my towers. I have one that is a copy of the commercially built DX-A, tri-band sloper. This antenna consists of two slopers fed by a common feed-point. One sloper resonates on 80 meters while the other resonates on 40 and 160 meters. The element that covers 160-meters has a loading coil placed about 33-feet down the line from the feed point. The coil is fairly high-Q and acts like a trap for the 40-meter band. Like

most coils (or traps) they are a bit lossy, but a quarter wave on 160 is about 130-feet long. You would have to have a very high tower (+/- 100') to facilitate a sloper for 160, unless you could figure out a way to shorten it up a bit. There is a way and it is sometimes called linear loading. The sloper is still about 130-feet long but a long hairpin loop is placed in the mid span as shown in the following sketch.



The hairpin loop section should be separated by two to three feet. When cutting the length of the element, and the higher frequencies too, use the standard formula $L=234/F(\text{MHz})$ then add a few feet to allow for tuning.

Now, do not expect a 1.1:1 SWR, even at resonance. The input impedance may vary due to element down angle, near by objects and guy-wires. You may have to do some element trimming and employ an antenna tuner (transmatch) if you want to see a very low SWR. With my slopers I was able to get a 1.5:1 or better at resonance, but I was lucky.

I compared my 80-meter slopers to my 80-meter inverted-V and found them to be pretty close to one another. The dipole was a tiny bit better for QSOs less than 1000 miles and the sloper was a tiny bet better for low angel DX. Try one you may like it. ■

73, Bruce Randall, W1ZE

Weekly Breakfasts



Tues. Morning Breakfast –

7:00 a.m. at

Back Burner Cafe

8400 E. Long Mesa Drive

& N. Robert Road

Informal – all are invited.

Wed. Morning Breakfasts:

7:00 a.m. at

Iron Horse Restaurant

(Hwy 89 in Chino Valley)

(N 34°43'56.5" W112°27'15.4")*

informal – all are invited

8:00 a.m.

Masonic Lodge

(1280 Willow Creek Road,

2nd Floor; above Bank of America)

informal – all are invited

* Location data (per WGS84) provided

by Fred Zimmermann, N7PJM

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

YAVAPAI AMATEUR RADIO CLUB

P.O. BOX 11994

PRESCOTT, AZ 86304

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

Many thanks to Bob Smith, WB6ODR, our Webmaster

