

The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB
PRESCOTT, ARIZONA DM-34
VOL 11 - No. 1
JANUARY, 2001**



WELCOME TO THE YAVAPAI

AMATEUR RADIO CLUB

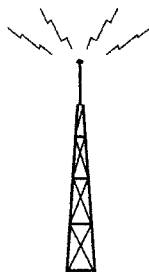
The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated club. The club participates in many activities in the tri-city area including providing communications for local events, emergency

communications, volunteer exams, and promotion of the hobby throughout the community. Membership in the YARC is open to any interested amateur or non-amateur alike. 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 Heights. Many thanks to Bill Kafka, W2YAV for the upkeep and use of the repeaters.



YARC OFFICERS for 2001

President

Dale Leslie-N7XFD
dalierles@webtv.com

VicePresident

Terry Pemberton-KB7TRE
kb7tre@aol.com

Secretary

John Wilson-KM6BF
Km6bf@cableone.net

Treasurer

David Passell-K6UWV

YARC BOARD OF DIRECTORS

Includes Club Officers

Immediate Past President

Lee Cunningham-KC7CBK kc7cbk@arrl.net
Bob Kane-K7KOL arkane57@yahoo.com
Frank Homeff-WAGJBV

NEWSLETTER EDITOR - John Wilson-KM6BF



UPCOMING EVENTS OF INTEREST

- February 4, 2001 – North American Sprint, SSB (NCJ)
- February 10, 2001-VE Testing, Prescott
- February 10-12, 2001 – YLRL YL-OM Contest, SSB
- February 11, 2001 – North American Sprint, CW (NCJ)
- February 16, 2001- YARC Meeting, 1900
- February 17-18, 2001 – ARRL DX Contest, CW
- February 23-26, 2001 – CQ 160M Contest, (SSB)

More detailed information on Contests and Special Events can be found in most amateur publications such as QST, Worldradio, and others.



DECEMBER MEETING

Club meeting 12/21/00. President Lee Cunningham-KC7CBK called the meeting to order at 1902. There were 29 members and visitors present.

The minutes of the November meeting were accepted as read by club secretary John Wilson, KM6BF. Fred Shefflette, KC7TIN read the treasurers report. The club has \$861.91, which includes \$588.00 in the repeater fund and \$273.91 in the general fund. The refreshment fund has \$116.52.

Lee presented Certificates of Appreciation to the Club Officers for their work done for the club in 2000. Thanks to Hal-N7OVE for printing the certificates. David Passell-K6UWV and others discussed the recent dilemma with local ISP's. Northlink is changing their phone# and many Internet users are changing providers, having signed up with E-Speed or CableOne. Bob Smith-WB6ODR challenged anyone that has changed multiple ISP's faster then he has!

OLD BUSINESS. John-KM6BF updated the club on the new VEC fee for testing. The FCC has changed the rules and the ARRL will be charging \$10.00 per applicant for 2001. Lee-KC7CBK discussed the new Alinco 2-meter radio that works well on Packet. David-K6UWV reminded everyone to indulge in the refreshments and recycle the cans.

NEW BUSINESS. In the absence of Lloyd Halgunseth-WA6ZZJ, Lee announced for ARES/RACES that the Simulated Test would be in January. There will be no ARES/RACES Net for 2 weeks due to the Christmas and New Years holidays. Dave Rutledge-W9KRQ spoke about his dealing with mounting a mobile "screwdriver" antenna on a fence and it works well on 80-17 meters. There was also some discussion relating to the AO-40 satellite that was launched, but is inoperable.

Following the refreshment break, the 50/50 raffle netted \$11.00 to someone who had already left the meeting and the money was donated back to the repeater fund.

Lee Cunningham officially passed the position of club president to Dale Leslie-N7XFD. Dale's first order of business was to announce that he would like to see better participation in the various committees by club members.

YARC member Kris Bearscove-KC7UNK gave the program for the evening. Kris is a graduate of Embry-Riddle and is currently working for Landcare Aviation in New York. The company has several single engine aircraft and one twin engine. Kris explained how the digital cameras and computer equipment does digital imaging and mapping. The company has done work in 49 states and has both government and private customers. Kris has accumulated nearly 1000 hours of flying time and would eventually like to get into commercial passenger flying. He maintains a website at

www.angelfire.com/az/kbearscove It was good to see Kris at the meeting and we thank him for taking the time to visit the club and share his experience and knowledge with us. With no further business, the meeting was adjourned at 8:25PM.

Respectfully Submitted,
John A. Wilson, KM6BF
Secretary



SPEAKERS WANTED! Want to make a presentation to the club? Got a favorite subject or experience you would like to share? If you do, we'd like to hear from you! Programs of interest are always needed for club meetings. Share your knowledge or experience with the rest of the club at our meetings. Contact Lee Cunningham, KC7CBK for more information.

THE NEWSLETTER!

If you have anything to share, please feel free to submit it for inclusion in the newsletter. We welcome your suggestions, comments, stories, personal experiences, or other items related to the hobby. Send e-mail to:

Km6bf@cableone.net

Occasionally we will have articles from other clubs newsletters:

This month we have information from :

North Carolina State University-Student Amateur Radio Society



Club History

We're still researching the club's history by digging through files and contacting alumni. If you're an alumnus/alumnae and we haven't yet talked with you, please let us hear from you! Here's what we know so far.

1930s. The club's callsign W4ATC first appears in the callbook in 1931, so it's likely it was licensed in 1930. It was interesting to discover that in the 1920s there was a station licensed to the Electrical Engineering Dept. at UNC-Chapel Hill (4WE, then W4WE), which disappeared from the callbooks just as W4ATC appeared. Did that club become W4ATC when some of the engineering programs were moved to NC State College between the wars?

From a February 1995 interview with Ed McGowan W4BKG (Class of 1935), we learned that the club operated in its early years from the first floor of the Chemistry building, using a club-built rig (with parts actually screwed into a wooden board!) that fed a Zepp antenna using twin lead separated by wooden dowels. All contacts in those days were on CW. Mr. McGowan was licensed in 1931 and learned about ham radio from an elmer in Wilmington, NC, who converted marine rigs for amateur use.

In March 1996 H.G. Gwaltney W4IF wrote by email from ortsmouth, VA, with memories of the club from the 1930s. He says the QSL card from 1932-33 "listed members calls on the card. As I recall the sponsor was Prof. Caveness, W4DW (the chemistry Prof.), Joe Abernathy, W4AKC (Elec Eng) Wilson Lamb W4BOH (Chem Eng), Ed McGowan, W4BKG (Elec Eng), Wm. C. Harris, W4WX (Elec Eng and brother of C.D. Harris, W4LYV), H.G.Gwaltney, W4IF (Elec Eng).

"Caveness was the NC ARRL Section Communications Manager and involved the club in being a part of the NC Floating club. One sunday each month a city club acted as host and amateurs from all over the state met there. The W4ATC members thought a section news letter was needed to report the meeting events and schedules ... so we began to publish a section bulletin called The Tarheel Ham. I think Caveness published the bulletin in later years. →

"Some time around 1935-36 the Chemistry folk reclaimed our meeting room in their building and we were forced to move the station to a broom closet on the first floor of 1911. As you might imagine, activity was nil. Around 1936-37 Prof. Wm. Hande Browne, EE Dept. Head, gave us permission to move to a room on the first floor of the Physics-Electrical Bldg. One of the Raleigh hams, Harry Wiggs, W4ANU donated wire so that we could erect a zep 80 meter half wave antenna. It was a beaut stretching from the EE bldg. to the Zoology bldg. It worked well as "Dutch" Harris spent lots of Saturday nights working dx with that breadboard low power rig of ours."

H.F. "Mike" Riley W1AQS (1939) wrote in February 1996 via email to share his experiences with the club: "Most of what spare time I had was spent at the Radio Club in Daniels getting bitten by the Ham Radio bug. Ernest J. Angelo was president and other classmate members were: Charles D. Harris W4LYV, Charles M. Sturkey W7TNA, and Everet F. Smith.

"Jimmy Angelo was a great guy and a fine technician who could maintain, repair or modify the big, old H.B. rack-mounted rig and the H.B. super regen rcvr. After graduating he went into academia becoming a Prof.in E.E. at Brooklyn Polytechnic Institute and authored a couple of text books. Last I heard, he was at Bell Labs.

"Charlie Sturky had been a shipboard wireless op before coming to State and kept a sked with shipmate every weekend wherever the ship was located. He left the Navy as a full Commander after WW2 and is married to a former WAVE who was also a three striper and is a General Classs ham.

"I was able in 1943 to visit Ev Smith when I was driving to work at Oak Ridge from Engineering R&D at the U. of Chicago. He was working in Terre Haute at the time."

1950s. Reggie Cilvik W4DIV informs us that 1955-57 the club was operating a Viking Ranger (about 50 watts) and a Hammarlund Hq109 into a dipole antenna fed with open-spaced feeder line, perhaps from Pullen Hall. When Reggie was a member the school was known as the NC State College of Agriculture and Engineering. He remembers spending "some very nice hours chatting on the radio."

James Chatham W4TNF was a member from 1955-58 and remembers the shack being located on the 2nd floor of a red brick building that faced Hillsborough Street and which also housed the Sociology Department. "The club station was a home brew in the classic 6-foot cabinet, although this cabinet had open sides and back...." He suspects the rig was an 813 with about 450 watts.

W.K. Harding K4AHK ('61) k4ahk@ix.netcom.com writes "I have many fond memories of the shack in the old 1911 bldg. My first novice QSO was made from this station in the fall of 1954 - I still have the log book. I was also Sec-Treas for a while but can't remember which year! 73 es good luck to all."

1960s. In April 1996 Ed Harris K4UJH wrote about his recollections of operating with the club's barefoot Johnson Ranger (1960-65). The shack was then on the top floor of the 1911 Building.

"Bill Austin III was once with me in the shack when I was operating. I was calling CQ Rutherford County, NC (my home county). I was pronouncing Rutherford as "Rullerferd". Bill asked me why I was saying "Rullerferd". I told him that that was the way the "locals" (Rutherford County-ites) pronounced it...." Ed also recalled fellow ham George Bostian, who was living in Bragaw Hall. "I am active on the air almost daily. I can be found about every other day beginning at about UTC 0500 hours on 3.762 mhz. I would enjoy hearing from any W4ATC type."

Richard Spangler WA4LQS wrote to tell us about working with a Heathkit SB-102, as well as a 5kw generator that Rusty Elliot (WB4RYB, SK) had had managed to procure, which was used for participation in a January SET from a tent in front of the 1911 Building. Max Treece WG4Z (ex WA4SOZ) recalls that there was a matching linear to go with the SB-102 and the shack at this time was located on the top floor of the 1911 building facing the Bell Tower. "That building may have been one of the few buildings where we could stretch out an 80 meter dipole lengthwise on the roof."

Marion Hales, K4RWI, remembers "The club purchased a NC303 during the early 60s which made a fine replacement for the aging Hammarlund HQ129X they had used for so long. I also recall the phonetics being "America's Toughest College".

1970s. Kent McCorkle AE4Y *operated from W4ATC from 1970-71. At the time, there were only 2 or 3 of us who operated with any regularity from the station. We operated in a couple of the major contests, but didn't mount much of a challenge.

"The equipment at that time consisted of the Heathkit SB-400 transmitter, SB-300 receiver, and SB-200 linear. We also had an old Hallicrafters HX-50 transmitter that I never saw used. The antennas were a trap dipole and a Hy-Gain tribander. The station was located in the 1910 Building."

Ray Collins WX3A sent us a nice email message in Fall 1996 with a lot of information about the club during his years at State:

"Congratulations on the club's 60th anniversary. I was in the club (and State, of course) from 1970-74 (I'm class of '75, thanks to one course). I was the editor of the ARC NEWS for all of those years, and I guess I was the founder of the thing. In 1973, Mike Kersenbrock, WB4IOJ, became the club's first recipient of Ham of the Year for the club. I was its second recipient. I hope the plaque we created is still around.

"We had a very active club. We won the PA QSO Party in either 1971 or 72 (maybe it was 1970). After that, the contest sponsor banned multiop stations from winning the state, which, to be honest, was only fair.

"I talked with a ham during our state (PA) QSO Party last weekend who helped set up the antennas at W4ATC. I plan to be in NC in November (the cape) but will try to visit W4ATC. What day of the month do you convene meetings?

"I'd be glad to talk to the club about the "old" times at W4ATC, if I can be there the night of a meeting. My call back then, by the way, was WA2GBC, and Allen Weber, WB4PHQ, of the Meterology Dept. was our trustee. The advisor was always from the EE Dept., despite not being a ham. I don't believe the EE Dept. even had one ham in it.

"During the early 1970s, we initiated a radiogram program and placed a box for such at the student union. The current student union was built during this period, and we considered moving the ham shack from the top floor of 1911 Building, just opposite the rest rooms, to the new Student Center. We determined that access would be limited at the Center, which it wasn't at 1911, so we stayed there....

"After NCSU, I worked for the ARRL for a short time, charged with performing the first total rewrite of the License Manual since it first came out in 1932. Then I worked for TAB Books, the technical book publisher now owned by McGraw-Hill, eventually working up to VP of Editorial and Associate Publisher. My experience as the founding editor of ARC NEWS and one of the cofounders of The Sentinel, which came out on the two days The Technician did not, helped me immensely. Much of my career in publisher is attributable to ham radio.

1980s. Charles Osborne WD4MBK remembers that in 1978-81 the club had two stations: An HF station was on the top floor of the 1911 Building with a TH6DXX and a 4-element 10m/ 7-element 6m Quad on opposite ends of the building. Other equipment at this station included a 75m bowtie, 144-20T circular 2m yagi, with a Kenwood T599D (R599D) with a Heath SB-200 kw amp. A VHF station in 407 Daniels (a storage room) had four 16-element 2m EME az-el arrays and four 19-element 432 yagis. "We started the East Coast 70cm Net (sb/cw) in 1979 and I still call it today from here in Atlanta. It is among the oldest sideband UHF Nets in the country." He thinks the rig was an Icom 551 with a MMT-432-28S transverter.

Charles also recalls that the club had changed locations many times and during its history had been located in: the King Student Center (since torn down); two rooms on the top floor of the 1911 Bldg.; Daniels basement, 401 and 407; and the Textiles building(?).

Mark Palsha, AE4QG (ex WA4RFV, WB9YVR, N4LBX, KS4QC) remembers operating from 1982-1987 from a shack in the 1911 Building, using a Kenwood HF rig, TH6DXX and a Heathkit linear, but the club lost that room in 1987 when an academic department needed the space.

1990s. From 1977-1994 the club worked from and had storage in Nelson Hall, one of the highest elevations on campus. During finals week of the Fall 1994 semester the equipment was moved on short notice to a storage room that Fred McClure AD4GX located in Weaver Labs where he teaches.

In June 1995 Dr. Hauser, Interim Head of the EE Dept., granted the club permission to move into Daniels Hall rm. 428. We are running barefoot with a Drake TR-7 into a G5RV and several wire antennas, and we now have our tribander back on the tower that was once used for EME in the 1980s. In February 1996 we put the club back on the air for packet and have logged into the W4DW 147.57 node.



FROM THE PAST, PAST-PRESIDENT

Bet this NAG
and you're
DOA

North of disaster, and south of Kill Devil Hill on a spit of North Carolina's sand bar barrier islands is a place called Nags Head.

It's a typical beach town much like those found along the US west coast (north of southern California), or the Florida Keys. What sets this town apart though, is its unique, bawdy history that gave reason for its name. Nags Head is stabled on one of a 150-mile long string of sandy islands commonly called the Outer Bank Islands, off the Carolina coast.

Residents are proud of their locale, sporting oval "OBX" (Outer BanX) placards on their vehicles to announce their bravado and perseverance, proved each winter as Atlantic "Nor-Easters" pound their little spit of sand. The people are between a "rock and a hard spot" as we'd say, with the pounding Atlantic surf on their east, and the placid Pamlico Sound on their west.

The only dry way off the spit is by taking the single island highway (NC 12) south to Whalebone and then driving west on US 64 over Roanoke Island to the mainland, about 15 land miles away.

Homes are perched on stilts ten feet high, with the "garage" or lower level sheltering a get-away skiff, which rests in a cradle and is "moored" to the escape stairs leading to the second and third "living" levels of the house. Pick-ups and cars, the normal vehicles for travel are here too, but if the "water people" are caught off guard by a sudden storm, then it's away in the skiff to the safety of the mainland.

Atlantic storm surge coming across their sandbar will fill Pamlico Sound with excess water, and when it slops up against the mainland coast, reverse course and spill over the sand spit once again. Houses sway and groan with the swirling water, but they stay in place and when the storm is over, the water people are back, collecting their fishing gear and heading for the surf to find tuna, shark and flounder. Most times, the pick-ups and cars are moved to the mainland, but occasionally suffer a salt-water wash.

Timidity isn't rewarded or sanctioned on this long, clinging drool of sand hanging from the grotesque, nose-like Virginia shore. These viscous barriers watch over the ocean's "Diamond Shoals", a shallow shelf of seabed where the sun glitters on the purling surf like the sparkle of a dime store diamond. Mariners call this place the "graveyard of the Atlantic", where more than 500 ships have foundered and found their final resting place on these shoals. The British schooner "Tiger" was first, in 1585. The fishing trawler "Oriental" was the last, in 1969.

Modern day tragedies were recorded in 1942, when Nazi U-Boats sank more than 80 ships off these shoals. 1943 records only five sinkings by subs as US Navy blimps stationed at NAS Weeksville, North Carolina became effective guardians of this sea-lane. 1944 recorded no sinkings from enemy action, and 1945 recorded one ship lost.

Nags Head earned its name from the era of "Captains Outrageous": Blackbeard, Long John, Black Bart, Captain Buzzard and one of the strangest named, Captain Borgne-Fesse, which translates as "Captain Half-Ass"! These "pillars of society" lived in the

time of England's world power and the awakening of the new world on our continent.

We'll never know the true origin, but legend and lore insists that early 18th century "Bankers" (islanders), realizing how profitable piracy was for sea-going scoundrels such as Blackbeard, developed their own unique business method as land-based pirates. Horses (nags) with lanterns tied around their necks were walked up and down the beach at night. Merchant skippers in the offshore waters would mistakenly think the lights were of other ships closer to shore, and they would change course to better position themselves for the off-loading details. Too late, they realized their disastrous mistake and ran aground, putting their ships in jeopardy. They were positioned for the Bankers to wade on board and pillage their cargoes. (from: <http://www.nags-head.com>)

Nags Head remained a well-known place for shippers and skippers, but the ignominy of bumpkin landlubbers walking horses with lanterns around their necks along the beach, luring the skippers into calamity was hard to swallow. Pressure was placed on colonial officials by the shippers selecting other ports south of the islands, but the shippers and skippers kept losing to looting "entrepreneurs" until the late 19th century when lighthouses were installed along the coast, re-defining the coastal characteristics and locating safe havens.

The plunder taken off the beached vessels would often be trans-shipped by the Pirate's ships to some colonial port and sold. Merchants welcomed the "shipment" as it was delivered without the necessary British customs duties being payable, and the thieves weren't too concerned with "Blue-Book" value! Just a few pounds sterling to buy some female and liquid comfort, Mate! (from: *The Ocean Almanac* by Robert Hendrickson)

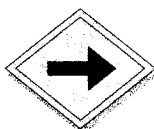
Other local legends tell of small herds of mustangs surviving shipwrecks on the shoals and finding refuge on these sand bars. Tales are told of the old-timer "Bankers" taming the stranded mustangs and pressing them into service as "lantern holders". In their "off-hours" the looters would hold horse races on the sand, and one locale has been named "Jockey's Ridge" in recognition of the "Looters Downs" events!

Today, the Outer Banks Islands are a year-round Mecca for tourists and fishermen. The islands sport luxury hotels and condos for weekly rental and North Carolina Route 12 is clogged in the summer with modern day Mustangs and Mercedes; Power Wagons and four-by pickups prancing on reduced pressure, donut tires. Twenty pounds of air in the tires is good for climbing the dunes and getting to the surf. The modern street schooners are filled with revelers eager for action and company. It's a long calendar from those old time schooners and brigantines to today's sports cars and pick-ups.

The old sea captains of long ago could never envision the treachery of these sand bars changing into islands of revelry for pampered visitors. They bet their lives and their ships, profitably moving cargo from the old country to the new. Once in a while though, fate would fool them and they would find themselves beached and burgled.

The Captain:..... Bet the Nag and lost.
The owners called him:..... Dead On Arrival.

73's Bob Kane K7KOL 120500



SAY WHAT?

FROM THE "I can't believe I heard it on
amateur radio" files:

"If I could get my signal a little wider I'm sure more people
would hear me"

Ham #1 "So why does the repeater beep every time I let go?"
Ham #2 "That's so you know it's my turn!"

"I must have been bad this year. Santa didn't bring me any radios."

"I just got a new directional yagi antenna."

"I got one of those 2-meter ALL-BAND radios!"

"Just remember, the red wire is for the volts and the black wire is for the amps!"

DUMB QUESTIONS:

You might know them as "Things that make you go ..hmmm," or
"imponderables."

- Why does the sun lighten our hair, but darken our skin?
- Why doesn't glue stick to the inside of the bottle?
- Why don't you ever see the headline "Psychic Wins Lottery"?
- Why is "abbreviated" such a long word?
- Why is a boxing ring square?
- Why is it called lipstick if you can still move your lips?
- Why is it considered necessary to nail down the lid of a coffin?
- Why is it that doctors call what they do "practice"?
- Why is it that rain drops but snow falls?
- Why is it that to stop Windows 95, you have to click on "Start"?
- Why is it that when you're driving and looking for an address,
you turn down the volume on the radio?
- Why is lemon juice made with artificial flavor, and dishwashing
liquid made with real lemons?
- Why is the man who invests all your money called a broker?
- Why is the third hand on the watch called a second hand?
- Why is the time of day with the slowest traffic called rush hour?
- Why is the word dictionary in the dictionary?
- Why isn't there a special name for the tops of your feet?
- Why isn't there mouse-flavored cat food?
- You know that little indestructible black box that is used on
planes? Why can't they make the whole plane out of the same
substance?
- Can a stupid person be a smart-ass?
- Can fat people go skinny-dipping?
- Why do you need a driver's license to buy liquor when you
can't drink and drive?



OTHER NEWS OF INTEREST

From Pen Brown, KJ7KL - Senior Communications
Correspondent and News Analyst

ALABAMA HAMS TACKLE TORNADO DUTY

NEWINGTON, CT, Dec 18, 2000—Alabama amateurs took time out from holiday
preparations to help their neighbors over the weekend after tornadoes ripped through

the state leaving at least a dozen people dead and two missing. Many also were
injured and damage was widespread. Unusual December weather patterns spawned a
strong tornado in western Alabama that struck Tuscaloosa December 16 around
midday.

Reports from amateurs in the Tuscaloosa area indicate most of the dead were in the
Bear Creek mobile home park. The Hinton Place subdivision also was hard-hit. Hams
assisted both as weather spotters and in the disaster recovery and damage
assessment phases.

"This is my fourth tornado that I've been involved with in one way or another since I
became a spotter, and this by far was the worst I've seen", said ARRL member Cal
Davis, KF4LAR, the public service coordinator for the Tuscaloosa Amateur Radio
Club. Davis reports that some three dozen hams played a role in storm spotting activity
and in disaster recovery operations.

A state of emergency was declared in the stricken area. At one point, power was out to
some 43,000 customers with temperatures headed into the 20s. Tuscaloosa
Emergency Coordinator Kirk Junkin, KC4ZMP, set up an Amateur Radio
communication link with the Tuscaloosa Fire Department's incident commander on the
scene and relayed information to the local emergency operations center via the
Tuscaloosa ARC's W4KQC 2-meter repeater. Davis served as net control at the EOC.

"Several hams with emergency medical training entered the area on foot to render first
aid as well as to establish a triage center at a local church," Davis reported. He said
that as day wore into night, other amateurs established communication with the West
Alabama Chapter of the American Red Cross and with three shelters in the stricken
area. By 8 PM Saturday, the Red Cross had consolidated all the shelters into one at
the Shelton State Community College. The Red Cross estimated that up to 500
residents initially took advantage of the shelter.

By 10 PM, all amateurs but one at the Red Cross chapter house and one at the shelter
were released from duty. Davis said most were expected back the next day to assist
with damage assessment efforts, however.

The Tuscaloosa tornado was estimated to have been an F3 on the Fujita scale, with
winds ranging from 158 to 206 MPH. More than a hundred homes were damaged or
destroyed in the area. In addition, Alabama saw several other tornadoes Saturday,
from the Florida border in the south to the Tennessee line in the north.

Other states in the south experienced unusually cold temperatures and power outages
due to severe weather. "My phones are still off, but the area is getting back to normal,"
Arkansas ARRL Section Manager Roger Gray, N5QS, said today. "It is still estimated
that 100,000 are without power in the state." He said local, informal amateur activities
continued in Arkansas.

The storms were a result of two low-pressure systems that sped across the US
bringing snow and bitter cold to the north and Midwest and unstable, severe weather in
the south. New England saw thunderstorms and unusually mild temperatures as well
as hail and high winds.—ALERT; Cal Davis, KF4LAR/TARC; press reports



ARES/RACES NEWS

The Yavapai County ARES/RACES net is held
every Monday night at 6:45PM on the Mingus
Mtn. 147.220+ repeater. Immediately after,
there is another NET on the Mt. Union

147.260+ repeater.

**AN INTRODUCTION TO YAVAPAI COUNTY
ARES/RACES**

(Continued from December YARC signal)

Thanks to the Colorado ARES for background on this article.

General Policies For ARES/RACE

- Listen first and then check in if you are available and think you
have capabilities that can help.
- Proceed only as assigned. Do not make assumptions on or off
the air. →

- When you are in position, do not repeat what you "overhear" only those things which you are asked to communicate. If you are asked for information from the agency, ask them for the answer. Do not assume that because you heard it in a room from someone that it is the answer they want communicated.
- Do not speculate about conditions or spread rumors. We are there as communicators. When a net control asks for a report of conditions you should report on those things which you know are to be true, correct and accurate. It may be information that you have gathered at the request of the NCS.
- When your shift is over, go home! Take a break and get the much-needed rest. You may be requested to be back on duty later. We want you rested and operating at 100%!
- SAFETY is # 1!!! In whatever operation you are endeavoring to complete, be safe in your operation. Injured communicators usually are no good to us! They also require attention from our resources and others, which detracts from the overall operation. Do not become a part of the event. Look ahead and think of the safest way to do a task and do it that way! If you need help ask for it. Either from within our ranks or from people around you!
- Follow the instructions you are given by Net Control. There are often reasons he/she is giving you those specific instructions. If you have questions, ask them. If you do not have the information you need to complete the assignment, you are responsible to ask for the information or direction to make it happen!
- Think about what you want to say and whom you need to direct it to. Nothing is more frustrating for someone to start a transmission and not clearly and distinctly state what it is they are attempting to communicate. WE have all heard people like this and I am sure, shared in the frustration. **STOP, LISTEN, THINK, KEY YOUR MIC AND THEN SPEAK!**
- Log your traffic! Keep track of any transmissions, which specifically pertain to your assignment. Questions asked, replies sent, who they are from, who they are to, time received, time sent. In addition it is a good idea to monitor the air and take notes or log the information being shared on the air. You may be the next Net Control and will need to know what is going on!
- Brief your relief operator. It is important for you to brief your relief regarding radio traffic, who the players are in your assigned area, what your assignment is and of other facilities in operation in that operational area and others. Give them all the information you have available and make sure it is also in writing for easy reference. No chicken scratch please!

In Conclusion

As a member of ARES/RACES, you are charged with a great deal of responsibility. That responsibility is to, as efficiently as possible, transfer information for served agencies. In addition we need to be efficient and effective in our setup, conduct and record keeping. We hope you see that it is much more than showing up with a radio and saying "Can I help"? That is a part but only a small one in the overall picture. Being alert, conscientious, resourceful, organized and effective in your ability to communicate and interface with the agencies we serve are paramount. As the District Emergency

Coordinator/Radio Officer for Yavapai County, I put a lot of faith in your abilities to communicate and work shoulder to shoulder with other communicators and agencies within our County and surrounding areas. Be flexible to accommodate the changing needs and requests from our served agencies. We are working to insure that you are as well prepared to meet those challenges and responsibilities as we can. The rest is up to you! We hope that you will enjoy emergency/public service communications as many of us have through the years. It is rewarding and satisfying to know that you have helped others. I personally hope you receive as much from performing these services as I have....

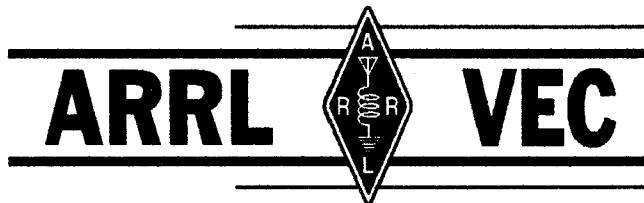
This concludes the article on 'An Introduction to Yavapai County ARES/RACES'. Once again, thanks to the Colorado ARES for background material on the article.

We are beginning a new year and once again it is time to think about volunteering to assist in providing Public Service Communications in the events that YOUR club will be participating in. Information will be forthcoming on the events we will participate in.. I want to thank all of our members who participated in last years events. Our service was very much appreciated by the sponsors of the events we communicated for. YOUR club is establishing a reputation of excellence in Public Service Communications and the help of EVERYONE is needed to maintain that position...

73, Lloyd Halgunseth WA6ZZJ
Yavapai County ARES/RACES DEC/Radio Officer
(520) 717-2706 wa6zzj@cableone.net



WE WANT YOU! Membership in the Yavapai Amateur Radio Club is \$20.00 for 1 year. Newsletters will be mailed only to those members not attending a meeting and current on dues. Those in arrears 3 months will be dropped from the membership list. Dues can be mailed to the club PO Box or given to the club treasurer at any meeting.



New FCC System Yields License Grants in Less Than One Hour

NEWINGTON, CT, Dec 28, 2000--The FCC's new system to handle batch filed amateur applications from Volunteer Examiner Coordinators has cut processing time from hours to minutes. The FCC inaugurated the more rapid amateur license application processing system today.

"Way to go, FCC!" said an enthusiastic ARRL-VEC Manager Bart Jahnke, W9JJ, after his office fed its first batch of license applications into the system. Jahnke says five dozen ARRL-VEC applications transmitted just after 10 o'clock this morning resulted in license →

grants about 52 minutes later. The W4VEC in North Carolina and Central America VEC also took advantage of the new system for the first time.

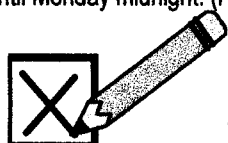
The FCC announced last week that it would implement a "more rapid processing" system for VEC-filed FCC license applications today—slightly ahead of its original schedule. Except for a two-hour window right after midnight each day, the speedy new system looks for VEC submissions each hour on the half hour.

With FCC license grant processing now measured in terms of hours instead of days, the major factor determining the time from exam to license grant now is how quickly VE teams get their test results to their VECs.

Jahnke says it used to take the FCC eight weeks or more to manually process amateur license applications. The turnaround was cut to a few days when the FCC began accepting electronic files from VECs in early 1995. The FCC has been estimating a processing window of up to 90 minutes, depending on volume and arrival time. License grant results should be available immediately on the Universal Licensing System Web site, using the license search option. Once a grant is in the FCC database, the licensee has operating privileges.

Applications processed by the FCC one day will appear in the public update ("zip") files the following morning. Public call sign servers on the Internet should be able to update within 24 hours after FCC action—rather than the 48 hours that's now typical.

On-line filings from individuals, weekend filings and FCC-manually processed applications put into the hopper during weekdays at Gettysburg will continue to be handled as they are now. These are batched for midnight processing, and weekend filings will not queue up until Monday midnight. (From the ARRL)



Volunteer Examiner Testing

A test session was held on Saturday, February 10. There were xx applicants who were administered xx elements. The session results were:

The tentative schedule for 2001 will be 2/10, 5/12, 8/11, and 11/10. Additional sessions may be held as needed.

All those attending for tests must have **ORIGINAL** license and a copy, Original CSCE's and 1 photo ID. (VE's-remember to bring and wear your VE - ID Badge!)

Special test sessions may be accommodated according to demands, as needed. The test fee for 2001 has been set at \$10.00. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228 or Dave Rutledge-W9KRQ at 541-1225.

YOUR LOCAL PRESCOTT AREA VE's

- | | | | |
|--------|------------------|--------|-----------------|
| AB7KE | Joan Tremper | AB7KF | Bob Nichols |
| AB7VH | Ruth Enabnit | K7KOL | Bob Kane |
| K7NGK | Don Broadston | KB7FRV | Leonard Beers |
| KC7AGL | Don Muller | AB7SK | Ginger LeGendre |
| KK7JH | Billy Peters | KG7OL | David Miller |
| KI7EB | Bill Thrift | KJ7DX | Matt Strandberg |
| KJ7KL | Pen Brown | KM6BF | John Wilson |
| W2YAV | Bill Kafka | W7DC | Bob Harkey |
| W6HDP | Bill Jackson | W9KRQ | Dave Rutledge |
| | WB6ODR Bob Smith | | |

AREA REPEATERS

FREQ	PL	Location	Notes
52.560-	100.0	Mt. Union	CARS (-500Khz)
53.040-	C/S	Prescott Airport	-1 Mhz
145.350-	C/S	Wildflower Mtn.	DAWN
145.370	C/S	Towers Mtn.	MMRG
146.780-	91.5	Bill Williams Mtn.	BWARC
146.880-	100.0	Prescott	YARC
146.980-	100.0	Flagstaff-Elden	CARC
147.000+	100.0/162.2	Mingus Mtn.	MMRG
147.040+	100.0	Prescott Heights	W2YAV
147.140+	162.2	Flagstaff-Elden	ARA Link to Ord
147.220+	C/S	Mingus Mtn.	VVARA
147.260+	103.5	Mt. Union	YC EmergSvcs
223.960-	127.3	Chino Valley	NOWARE
442.150+	100.0	Mingus Mtn.	Northlink
442.350+	100.0	Glassford Hill	
448.400-	123.0	Mingus Mtn.	NOWARE
448.475-	100.0	Flagstaff-Elden	ARA
448.500-	100.0	Prescott	KB6TWC
448.875-	100.0	Flagstaff-Elden	Northlink
449.175-	100.0	Towers Mtn	Northlink
		OTHER REPEATERS	
53.410-	114.8	Greens Pk	Show Low
146.760-	131.8	Hayden Pk	Kingman
146.920-	162.2	Mt. Ord	ARA
147.360+	162.2	Mt. Ord	ARA Link to Elden
		PACKET	
145.690		Davis-K7HS-7	DX Packet Node
145.010		Elden-W7MOT-8	Packet Node
145.010		Union-KB7FRV-1	Packet Node
145.710		Union-KB7FRV-2	Packet Node
145.010		PRCBBS-	Packet BBS
145.710		KB7FRV	

ADDITIONS, DELETIONS AND CORRECTIONS APPRECIATED

ARRL RENEWALS. If you join or renew your ARRL membership, the club gets to keep a small portion of the fee. Remember to include both the application and envelope when you submit it through the club. Thanks. Fred-KC7TIN, Treasurer.





WEEKLY INFORMATION NET - WEDNESDAY

NIGHTS @ 7:00 PM 146.880- (100.0 PL) IF YOU DON'T HAVE PL, TRANSMIT ON 146.880 SIMPLEX WHEN THE REPEATER DROPS OUT. ALL AMATEURS WELCOME.

MONTHLY MEETING - 3rd THURSDAY @ GRANITE MTN MIDDLE SCHOOL 7:00PM (N 34° 34' 22.6" W 112° 29' 45.1")

NEXT MEETING THURS, FEBRUARY 16, 2001 @ 7:00pm



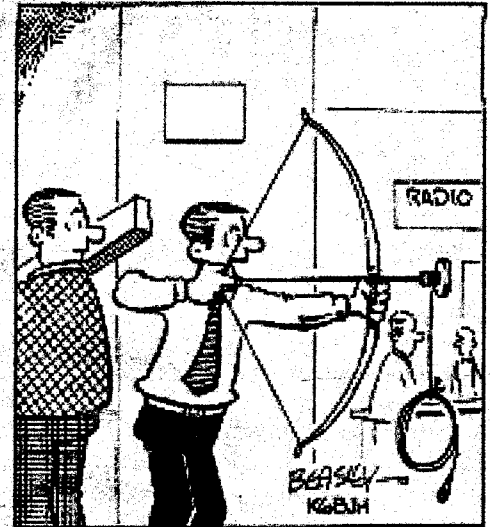
Wednesday Morning Breakfast-Iron Horse Café, S.

Hwy 89 in Chino Valley (N 34° 43' 56.5" W 112° 27' 15.4"). 7:30AM. Informal-All are invited.

Thursday Morning Breakfast-Michael's Restaurant in the Safeway Shopping Center, Hwy 69 Prescott Valley. 8:00am. (N 34° 35' 13.3" W 112° 19' 44.6")All are invited.

Location data provided by Fred Zimmermann-N7PJN, per WSG84 Datum

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IS THAT THE GUY WHO TELLS EVERYONE OUR MAG MOUNTS AREN'T ANY GOOD?

**YAVAPAI AMATEUR RADIO CLUB
PO BOX 11994
PRESCOTT, AZ 86304**

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

Many thanks to Bob Smith-WB6ODR, our Webmaster!

- W7YRC -