



YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 26 - No. 9 • September 2011

Prescott Regional Response Exercise

By Lloyd Halgunseth, WA6ZZJ

ARES/RACES.....

The Prescott Regional Response Exercise was held Tuesday, August 16, 2011. It was a large scale exercise with several agencies from the area involved. The scenario was a two plane crash, taking place between a passenger aircraft and an Embry Riddle aircraft, at Love Field involving mass casualties.

The ARES/RACES MARC communications vehicle was set up outside of the Civil Air Patrol building, where the County EOC was established, to maintain communications with and between the Yavapai Regional Medical Center West and East campuses along with the Prescott VA Hospital.

As with any exercise there were areas that need to be improved. That's the reason "no exercise is ever a failure" as we find areas to improve and be better at the next time.

SPECIAL EVENT COMMUNICATIONS.....

September is the kick-off for our 'second season' of Special Event Communications with the following events scheduled at this time:

The first event will be the March of Dimes March for Babies on Saturday, September 10, 2011. This event is fully staffed at this time.

Once again we will have two events in one day with the rest of the schedule as follows:

Saturday, September 24, 2011 Tour de Pee Vee ½ Marathon (7 more operators needed)

Saturday, September 24, 2011 Groom Creek Classic ½ Marathon (Patti, KD7VBG, is coordinating this event and 7 more operators are needed)

The last chance to sign up for these two events will be at the September YARC meeting. If you haven't already signed on please do so as communications planning is underway and your help will be appreciated.

Friday and Saturday, September 30th & October 1st will be the Prescott Road Rally. Check the website <http://www.prescotttrally.com/> for more information and volunteer signup.

Saturday, October 15, 2011 Step Out for Diabetes. John, WB9VGJ, will be coordinating this event.

Below are some of the activities that help the Yavapai Amateur Radio Club maintain it's 'Special Service Club' status. Special Event Communications helps in all three of the categories. It is only with the help of all of the members that many of these can be accomplished.

- Public Relations and improving the visibility of Amateur Radio, promoting it as a positive force within the community.
- A willingness to become involved in any local emergency or drill.
- Operating Activities in which a substantial program is conducted in an area of particular interest of the club.

It has been rewarding to see the number of new people stepping up to take part in our Special Event Communications, but there is going to be more needed to keep our commitment to the organizations we serve. The signup sheets will be available at the September meeting so take the time to say "I want to get involved and help"..... ■

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Welcome to the Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated Special Service Club. The club participates in many activities in the tri-city area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community.

Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/year (Full-time students \$15). The YARC meets at 7:00 p.m. local time on the first Thursday of every month in the Technology Room 404, at the Granite Mountain Middle School, 1800 Williamson Valley Road in Prescott. It is about ½ mile north of Iron Springs road, and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting.

The weekly Net is held every Wednesday at 7:00 p.m. local time on 146.880- repeater. All amateurs are invited to participate, and visitors are always welcome.

The Yavapai County ARES/RACES Net is held on Monday nights approximately at 7:00 p.m. local time on the 145.290- repeater on Mingus Mountain. A PL of 127.3 is required.

Club Repeater

The YARC 146.880- repeater is located on the hill above Willow Creek road and requires a PL of 100.0 Hz. Our deepest gratitude to Bill Kafka, W2YAV for allowing us to acquire the original club repeater.

■

Minutes of August 4, 2011 Board Meeting



Meeting was called to order at 1801 hrs. by the President, AD7YR. Also in attendance:

AD7WW, AD7RL and WN7E.

Participation in a local church Emergency Preparedness event proposed.

Arizona Statehood Day events discussed.

Participation and support for the Prescott Rodeo proposed.

A calendar for YARC events advanced.

YARC Hamfest considered.

Participation in several recurring annual events pitched.

Candidates for vacated board seat submitted.

Meeting adjourned at 1847 hrs.

Minutes of August 4, 2011 General Meeting

Meeting was called to order at 1900 hrs. by the President, AD7YR. Following the Pledge of Allegiance, introductions were made.

Attendance: 62 of whom 52 signed in.

Visitors welcomed.

New member N7NZH welcomed unanimously.

Minutes of the May meeting were approved as published with no dissenting.

Treasurer's report presented and approved as published with no dissenting.

A cap on repeater fund balance discussed.

Club stickers and patches are available from the Treasurer.

COMMITTEE REPORTS:

VE: The next testing session will be held on Friday, August 5th at 6PM.

ARES/RACES: WA6ZZJ reports;

A Mass Casualty Exercise will be held on August 16th.

March of Dimes will be on Saturday, September 10th.

Tour de PV and the Groom Creek Classic are both scheduled for Saturday, September 24th.

The Prescott Rally begins Friday, September 30th.

Saturday, October 15th is America's Walk for Diabetes. Contact WB9VGJ.

April 14th and 15th 2012 brings the MS-150 bike race to the Verde Valley.

The Whiskey Off-Road mountain bike race is 2 weeks later.

Newsletter: AC6AA reports on the Yavapai Signal.

Badges: New, redesigned, locally made custom engraved club name badges available from WB6ODR.

Respectfully submitted,

George Imbrugia, AD7RL

YARC Secretary

The Washington Post's Mensa Invitational once again invited readers to take any word from the dictionary, alter it by adding, subtracting, or changing one letter, and supply a new definition.*



Here are the winners:

1.*Castration*(n.): The act of buying a house, which renders the subject financially impotent for an indefinite period of time.

2.*Ignoranus* : A person who's both stupid and an asshole.

3.*Intoxicaton* : Euphoria at getting a tax refund, which lasts until you realize it was your money to start with.

4.*Reintarnation* : Coming back to life as a hillbilly.

5.*Bozone* (n.): The substance surrounding stupid people that stops bright ideas from penetrating. The bozone layer, unfortunately, shows little sign of breaking down in the near future.

6.*Foreploy* : Any misrepresentation about yourself for the purpose of getting laid.

7.*Giraffiti* : Vandalism spray-painted very, very high

8.*Sarchasm* : The gulf between the author of sarcastic wit and the person who doesn't get it.

9.*Inoculatte* : To take coffee intravenously when you are running late.

10.*Osteopornosis* : A degenerate disease. (This one got extra credit.)

11.*Karmageddon* : It's like, when everybody is sending off all these really bad vibes, right? And then, like, the Earth explodes and it's like, a serious bummer.

12.*Decafalon* (n.): The grueling event of getting through the day consuming only things that are good for you.

13.*Glibido* : All talk and no action.

14.*Dopeler Effect* : The tendency of stupid ideas to seem smarter when they come at you rapidly.

15.*Arachnoleptic Fit* (n.): The frantic dance performed just after you've accidentally walked through a spider web.

16.*Beelzebug* (n.): Satan, in the form of a mosquito, gets into your bedroom at three in the morning and cannot be cast out.

17.*Caterpallor* (n.): The color you turn after finding half a worm in the fruit you're eating. ■

YARC Officers for 2011

President

Creighton Grotbeck, AD7YR
president@w7yrc.org

Vice President

Ellis Rackoff, KE7NAP
vice.president@w7yrc.org

Secretary

George Imburgia, AD7RL
secretary@w7yrc.org

Treasurer

Tom Griswold, WN7E
treasurer@w7yrc.org

Board of Directors (includes Club Officers)

Pete Morrison -- K6VVR
 Will Taylor -- AD7WW
 Neil Vince -- K7SEN

Newsletter Editor: Joe Oliver, AC6AA
newsletter@w7yrc.org

Arizona Worked All Counties

Have you checked your logs lately?

If you've worked all fifteen Arizona counties, email az-wac@w7yrc.org for an application and rules.



YAVAPAI AMATEUR RADIO CLUB

August 2011 Treasurer's Summary - Tom Griswold WN7E

Income

Date	Callsign	Name	Code	Check #	Amt. Paid	G. F. Amt.	Rep.Fund	ARRL
08/01/11	K6VVR	Pete Morrison	R	cash	\$20.00	\$18.00	\$2.00	
08/01/11	N7NZH	David E. Aichelman	N	116	\$30.00	\$18.00	\$12.00	
08/04/11	K7IOG	Ernie DeLeon	R	cash	\$20.00	\$18.00	\$2.00	
08/04/11	W7IOG	Mary DeLeon	R F					
08/04/11	AE7IH	Daniel Simpson	R	1035	\$20.00	\$18.00	\$2.00	
08/04/11	KF7MAU	Erica Simpson	R F					
08/04/11	W5VJH	John Gross	R	cash	\$20.00	\$18.00	\$2.00	
08/04/11	KF7PQY	Patty Perkins - donation		cash	\$3.00		\$3.00	
08/04/11		50 / 50 raffle		cash	\$90.00	\$90.00		

Income Totals					\$203.00	\$180.00	\$23.00	\$0.00
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Expenses

08/04/11		Allegra newsletter				\$28.22		
08/04/11	KF7QVG	Jerry O'Connor - 50/50		cash		\$45.00		
08/09/11		Post office box rent/year		1070		\$62.00		

Total

Expenses

\$135.22

Beginning Balance

\$4,912.27

Aug. Income

\$180.00

July End Repeater Fund

\$1,347.38

Aug. 2011 Repeater Fund

\$23.00

Sub Total

\$5,092.27

Interest July 29, 2011

\$0.17

Expenses

\$135.22

Aug. Repeater Fund Bal.

\$1,370.55

General Fund Balance

ARRL Payments

\$0.00

\$4,957.05

Net Loss/Gain

\$44.78

Aug. Income

\$203.00

Cash out 50/50

\$45.00

Deposit

\$158.00

Heathkit Returns to the Kit Business

A notice on the Heathkit [website](#) announces that the venerable kit manufacturer, well-known to all Amateur Radio operators of a certain age, will be reentering the kit business in late August. The notice states, in part: "Heathkit will debut their new line of Do-it-Yourself kits for common around-the-house items. The first kit will be a Garage Parking Assistant (GPA). The Garage Parking Assistant kit lets you build your own system that uses ultrasonic sound waves to locate your car as it enters the garage. The system signals to the driver using LED lights mounted on the wall when the car is detected and in the perfect spot for parking.

"The GPA-100 kit consists of two primary assemblies -- the LED Display in kit form and the pre-assembled ultrasonic range module. The kit will include everything you need to complete the project except a soldering iron and hand tools.

"Next on the market will be a Wireless Swimming Pool Monitor kit followed by many more. Heathkit wants to continue to bring to its customers interesting, unique Heathkit products. Heathkit is interested in learning what types of products kit builders would like to build. Kit builders can submit their suggestions through their website using the Contact Us email."

Although there's no indication that Heathkit Educational Systems is planning to reenter the Amateur Radio market, the St Joseph, Michigan-based company is actively looking for kit suggestions.

After several decades of successful kit manufacturing, Heathkit left the kit business in 1992. Heath sold Amateur Radio equipment, at first only kits and later its own line of non-kit products, from 1954 to 1992. The company has been sold a number of times since its founding back in 1912 as an aircraft company. ■

Upcoming Events

Sept. 9- 11, 2011 - ARRL So. Western Div. Convention

- Sept. 10, 2011 - March of Dimes for Babies
- Sept. 17, 2011 - Special Event Station at N7CW
- Sept. 24, 2011 - Tour de Pee Vee ½ Marathon
- Sept. 24, 2011 - Groom Creek Classic ½ Marathon
- Sept. 30, 2011 & Oct. 1, 2011 - Prescott Road Rally
- Oct. 8 - 9, 2011 - Arizona Statehood QSO Party

HAM Nation is the new TWIT show about ham radio.

Bob Heil, with various co-hosts and guests will cover the excitement and importance of ham radio - from tossing an antenna wire in a tree allowing you to talk

to the world, to the importance of ham radio operators in time of disasters. HAM Nation airs live each Tuesday at 6:00 PT/ 9:00ET on <http://live.twit.tv>. ■



Plan to Join the ARRL or Renew Membership ?

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.

There is no extra cost to you, and our club gets to retain a portion of the dues.

September Program

A short video of the K4M DXpedition to Midway island will be shown.

This interesting video, also provides details on the history of Midway Atoll and describes how the U.S. Forest and Wildlife Service was able to take control and make it into a reserve to protect the wildlife on the island.

The video was interrupted during our June meeting by an unexpected fire alarm, which forced an evacuation of club members from our meeting room. It was decided to re-show the video at a later date.

Doug Freeman, KV8TD may supplement this video with comments/slides based on his experience on Midway island. ■

Operating Tips

By Lewis I. Decker

Reprinted from "The Microvolt, UARC"

I listen regularly to the two-meter repeaters in the area and have noticed a number of new operators just getting used to using the amateur bands. I thought I could make a few modest suggestions to help these folks become better operators. We all were new at some time and could probably have used some advice, so I will offer my suggestions here.

1. Spend most of your operating time discussing highly polarizing political and religious topics. Refer to anyone who doesn't agree with you by a very uncomplimentary name such as "idiots." This will make people sit up and take notice, particularly that segment which holds such wrong views. There could easily be hundreds of people listening to a wide-area repeater at any given time, so you may be able to reach a third or half of them that are in serious need of rethinking their positions. Describing them in a forceful way will help make them realize how desperately they need to come around to your point of view. It will also help unlicensed listeners realize how relevant amateur radio discussions are and make them more likely to become amateurs.

2. Always follow your callsign with "for ID." This helps all the amateurs who are new to the hobby understand what a callsign is for. It also helps fill the time if you really don't have very much to say. When it's not quite adequate for that purpose, you can substitute, "for identification as required by the Code of Federal Regulations, Title 47. Volume 5, Section 97.119, October 2010 edition."

3. Try to forget what you might have learned while studying for the license exam. For example ignore those questions that suggest your own call sign should come last when calling another station. It's lots more fun to watch people stumble over which call really belongs to you.

4. If you need to reach someone on a repeater that others are using, simply break into the QSO and when someone turns it to you, call the station you are looking for, start a

QSO with him, and ignore the stations that were using the repeater when you broke in. This is really the only way to get your fair share of time on busy repeaters.

5. When in a roundtable with three or more stations, don't turn it to anyone when you're through transmitting. Just drop your carrier or turn it to "the group." Then sit back and enjoy the chaos, possibly a long silence followed by double and triple transmissions as the other operators figure out who should transmit next. The most fun is when two stations transmit at the same time and both take long transmissions, neither able, of course, to hear what the other is saying.

6. Pepper your transmissions with CB-isms like "What's your twenty?" "Got a copy?" "I'm pushing 50 watts," and "The personal here is Sam." This will impress everyone with your operating experience.

7. Do most of your transmitting on a handie-talkie on the lowest power setting using a rubber duck antenna inside a metal car. Operators on VHF FM tend to get rather "soft" for lack of experience copying weak DX signals through noise, QRM and QSB. Putting together your transmissions despite lots of dropouts and poor signal to noise ratio will give others this needed practice. ■

Club contacts - At a Glance

President - AD7YR	president@w7yrc.org
Vice President - KE7NAP	vice.president@w7yrc.org
Secretary - AD7RL	secretary@w7yrc.org
Treasurer - WN7E	treasurer@w7yrc.org
Board Member - K6VVR	k6vvr@w7yrc.org
Board Member - AD7WW	ad7ww@w7yrc.org
Board Member - K7SEN	k7sen@w7yrc.org
Board Member -	(Open)
Arizona WAC Administrator	az.wac@w7yrc.org
Ask Elmer for Help	ask.elmer@w7yrc.org
Field Day Chairman	field.day@w7yrc.org
Fox Hunts	fox.hunt@w7yrc.org
License Classes	classes@w7yrc.org
Membership Application	membership@w7yrc.org
Newsletter Editor	newsletter@w7yrc.org
Program Inputs	programs@w7yrc.org
Public Service - DEC	public.service@w7yrc.org
Repeater Trustee	repeater@w7yrc.org
Special Events	special.event@w7yrc.org
VE Test Liaison	testing@w7yrc.org
YARC Party Coordinator	yarc.party@w7yrc.org
Webmaster	info@w7yrc.org
Webmaster	yarc@w7yrc.org
Webmaster	w7yrc@w7yrc.org

Prescott Arizona "Best of Arizona" Festival Commemorative Station Operation Announcement

By Jim Zimmerman, N6KZ

What: A special event station will be operated during the upcoming "Best of Arizona" Centennial Celebration Festival (held 16-18 Sep 2001). This station will operate on the HF bands (10-80 meters), using the callsign K7UGA, which was Arizona Senator Barry Goldwater's callsign and is currently assigned to the Central Arizona DX Association. On-the-air operations will be in both SSB and CW modes. An attractive, commemorative QSL card will be available to those stations contacting this special event station from the K7UGA QSL manager, K7BHM.

Where: This special event station will operate from the home station of Bud Semon, N7CW, located at 1801 Bridge Park Place, Prescott, AZ 86305. This location was selected to take advantage of the fine station equipment/antennas at N7CW and to minimize potential interference with any other Prescott Centennial Festival commemorative station operations (K7A will be on the air from Sharlot Hall, and W7YRC, the Yavapai County MARC van may also be operating from the Prescott downtown area).

How: Those hams interested in guest operating this commemorative station should contact Bud, N7CW, at 928-771-8267 for more specific station information. There are tentative plans to have two stations operating simultaneously during the period, both with onsite station captains (N7CW and N6KZ), to aid guest ops in equipment and logging. All operating equipment (rigs, antennas, computers, software) at N7CW will be provided, but ops are welcome to bring their own headsets/keys. Guest ops are highly encouraged to bring their own food/snacks as none will be provided by the host station. All special event station contacts will be computer logged and these logs will be provided to the QSL manager, K7BHM immediately following the event.

Hams looking to work this special event station (K7UGA) should look for them in the General class phone/CW portions of the HF bands and watch for K7UGA spots on the internet-based DX spotting clusters.

When: The special event station will operate Saturday, 17 Sep 2011 from 8 am to 8 pm local time, to coincide with the Prescott Centennial Festival. Guest ops should contact N7CW as soon as possible, but no later than 10 Sep 2011 to indicate their interest in operating (an operation schedule will be prepared shortly before the event to coordinate operating times, based upon guest operator preferences/availability). Due to the nature of this special event station, entry-level HF operators are highly encouraged to participate, as this should be a low level, low pressure operation, with experienced operators present to offer assistance, similar to a Field Day GOTA station.

Who: Hams (both local and visiting Prescott) may work the special event station or sign up to guest operate K7UGA at N7CW's station. ■

Need Cards Checked for ARRL Operating Awards?

Jim Zimmerman, N6KZ can check your QSL cards for DXCC, WAS, VUCC, WAC, etc.

For information contact Jim at:
(928) 713-0542.

Jim's QTH is at: 778 Grapevine Lane,
Prescott, AZ 86305.

Vanity Call Sign Fee Increases

Effective September 9, 2011, the new price for a ten year vanity call sign will be \$14.20. If you have questions or for more information in general, check out the information on the ARRL webpage <http://www.arrl.org/news/vanity-call-sign-fee-to-go-up-in-september>

Membership Count:

1st Thurs. in July.....	178
Gain/Loss.....	+2
1st Thurs. in August.....	180



Fond Memories

By John Broughton, WB9VGJ

The article about Hallicrafters in the August Yavapai Signal brought back fond memories. My first station when I became a ham in 1976 consisted of a Hallicrafters HT-37 transmitter and SX-115 Receiver. I bought them from a couple in my former club, Wheaton Community Radio Amateurs (WCRA), Wheaton, IL. As I had them before I got my Novice license, I did use the receiver as I anxiously awaited my license so I could transmit.

One thing mentioned in the article is certainly true: the high quality of the audio with a D-104 microphone. I used a D-104 microphone with my HT-37 and I can't recall how many compliments I got on the good quality of the audio from stations I worked with it. Those compliments always made me feel good.

The Hallicrafters pair served me well for several years. I decided to resume college in 1980 and, with working full

time, attending college evenings and weekends, sometimes carrying almost a full load, I got to the point where I just didn't have much time for HF work for a couple of years. When I went to resume some HF work, the transmitter didn't work. It was probably just some part that needed replacement. I had replaced a few capacitors during the time I had it. However, wanting a more modern rig, I then bought a used Kenwood TS-830S. Not thinking ahead, and because the Hallicrafters rigs took up quite a bit of space, I gave them to a fellow ham I worked with at Bell Labs. Looking back, that is one thing I regret, considering what these rigs can sell for nowadays. I could have even probably gotten a decent buck back then. Sometimes one makes less than optimal decisions.

The Hallicrafters pair served me well and I really enjoyed working HF with them. I did a lot of DXing, paper chasing and participated in several nets. They also helped keep the shack warm on a cold winter night. Hi, hi.

You can see in the picture of my station that I used to collect a bit of wallpaper. ■



My station in the early '80s.

Clockwise from top left: SX-115 receiver, Heathkit SWR bridge/wattmeter (bottom), Hallicrafters speaker (top), HT-37 transmitter, Heathkit phone patch (top), Heathkit keyer, homebrew power supply and Icom 22S 2M radio, Hallicrafters splatter guard (bottom), MFJ digital clock (top), barely visible Heathkit antenna switch, control for Ham II rotator, D-104 microphone, Yaesu FT-207R HT lying down in front of my file trays. ■

Community Collaborative Rain, Hail and Snow Network (CoCoRaHS)

By Bob Spencer, W6HMC

Editor's Note: *CoCoRaHS is a unique, non-profit, community-based network of volunteers of all ages and backgrounds working together to measure and map precipitation (rain, hail and snow). For more on CoCoRaHS see <http://www.cocorahs.org/>.*

Bob Spencer/W6HMC, CoCoRaHS Observer stated that after the May CoCoRaHS training he now sees a couple more observers in Prescott and one up in Pauldin. Bob received the following message from Nolan Doesken, Colorado State University, who developed the CoCoRaHS network of spotters:

"Greetings fellow rain gauge readers:

It has been a beautiful couple of days here in Colorado with temperatures barely reaching 80F and bubbling cumulonimbus clouds each day -- a welcome break from the recent heat. We'll do our best to send cooler air down towards Oklahoma and Texas -- but it may take a few weeks to get there.

Welcome to all of you who are new to CoCoRaHS. We continue to add an average of about 10 new volunteers each day -- and we're very grateful for each and every one. Each volunteer, every new rain gauge, and each rainfall measurement helps tell the never-ending story of watering the land -- tracking each storm system and mapping each rainfall pattern. Please study and enjoy the national rainfall map that you help create each day (<http://www.cocorahs.org>) Click on it to zoom into your own state and county.

For those of you just getting started, please let us know if you have any questions or need any help. Contact me or send a message to info@cocorahs.org

Oh, the heat.

Do you remember life without air conditioners? If you're over 60 you'll remember it well. But people less than 50 or 55 years old may have few memories of those hot summer days and nights -- sweating in your sleep and hardly able to move on summer afternoons. My mother told me I nearly died during the Midwest summer heatwave of 1954. I was too small to remember.

What would life have been like this year without AC in places like Oklahoma and Texas where temperatures have hit 100 almost every day for the past 5 weeks and several of those days when temperatures soared to 110F and higher. It would not be pretty. The good news is that for much of the country (CA a noticeable exception) we're soon past the climatological maximum for temperatures. Cooler weather is soon around the corner. We're already 6 weeks past the summer solstice, so day length (time between sunrise and

sunset) is shorter and becoming more noticeable every day. Imagine, in less than 2 months we'll be talking snow again in the Rockies.

Tropical weather

Yes, it's August and we're now headed into the most active two-month period in the annual hurricane season. Tropical Storm Don got Texans excited last week but then didn't amount to much. This week it's T.S. Emily taking aim on Florida and the Carolina's. All of you in hurricane country are well versed in planning and preparation. Take all appropriate precautions. If you are able to stay home, do your best to measure and report rainfall totals safely. Tropical storm-related rainfall could conceivably take a big bite out of the southern drought.

Tropical storms that form over the Pacific Ocean can also bring rains to the SW states, although that doesn't happen as often. We'll all keep watching and waiting -- and measuring.

Full gauges!

When I last wrote I mentioned the fact that every year we see a few storms somewhere in the country that drop enough rainfall to totally fill our large gauges (over 11" in a day). As of early July we hadn't come close. But since then there have been some whopper local storms and there have been at least 3 reports of full gauges. More may be on the way.

You may think it will never happen to you, but it really is possible to get over 11" of rain in a day in many parts of the U.S. -- even in places like Colorado. Last week was the 14th anniversary of the storm that helped start CoCoRaHS -- the flash flood of July 28, 1997 in Fort Collins. 35 years ago on the evening of July 31, 1976 was the infamous Big Thompson Canyon flood resulting from over a foot of rain in a few hours between Estes Park and Loveland, CO. Over 140 lives were lost that night. Some of you carry your own stories from that storm. Other parts of the country have had their own similar storms and stories. Please be ready for when that time comes for your area.

Alaska and Hawaii

Yes, we have volunteers in both of our distant states. Since June 1 we've had reports from 20 volunteers in Alaska with 2-month rainfall totals ranging from over 10" west of Juneau to just over 1" at Skagway.

During that same 64-day period we've had 14 volunteers reporting from Hawaii with totals ranging from over 18" near Pahoe (far east end of the big Island of Hawaii) to only 1.51" at Kalaoa (the far west end of that same island). There is no such thing as rain gauge boredom in parts of Hawaii. Our observer at Pahoehoe has had measureable rainfall on 63 of the last 64 days. There have been only 9 dry days there since January 1.

Looking down on rain gauges

I've seen a lot of country the last few weeks, and a great variety of weather. A family wedding took us to California followed by two weeks of climatological conferences and workshops in North Carolina. En route I enjoyed views of extensive snow still lingering in the Rocky Mountains and Sierra. I saw summer fog and felt the cool, gentle and moist marine layer creep inland from the Pacific Ocean. My connecting flight through Phoenix was grounded for a few hours by a giant haboob (dust storm). A second haboob struck shortly after our plane took off but I felt very fortunate to have a window seat to watch from the air the churning mile-thick cloud of dust rolling our way -- spectacular. There were thunderheads to watch over Albuquerque and hot haze over the southern states. Storms bubbled up over the Smokey Mountains. We "savored" that rich summer humidity that we miss here in Colorado. Then on the way back I had the unusual summertime experience of flying from Charlotte NC to Denver with not a single glimpse of a thunderhead or a distant flash of lightning -- as the persistent high pressure ridge bringing this summer's heatwave suppressed thunderstorm development over that entire 1600-mile swath of the country.

What really hit me on this journey, looking down on our wonderful country from above, was the fact that everywhere we flew we were looking down on rain gauges -- Rocky Mountain and Colorado River valley rain gauges, Great Salt Lake basin and Wasatch Mountain rain gauges, Sierra and San Joaquin Valley rain gauges, San Jose and Santa Cruz mountain rain gauges, Phoenix and Albuquerque rain gauges, Little Rock, Birmingham and Atlanta rain gauges, Piedmont and southern Appalachian rain gauges, Mississippi Valley and Ozark Mountain rain gauges, Kansas prairie and Colorado Front Range rain gauges and many others in be-

tween.

Of course I couldn't really spot each gauge, but I could see their neighborhoods -- farms and cropland, pastures and grasslands, forests, small towns, suburbs and cities. I looked down on close to 1000 CoCoRaHS rain gauges and hundreds more National Weather Service gauges -- and probably thousands of hardware store rain gauges at homes that still don't know about CoCoRaHS. Looking out the window of those planes and realizing how big and varied our country is -- and how important rain and snow is -- I was glad to know that we're trying to do something useful and helpful. At the climate meetings in Asheville, North Carolina at least 6 speakers -- maybe even more -- made reference to CoCoRaHS precipitation data. I think we're doing a very good thing.

Reporting significant weather

A short reminder -- again. If heavy rain or hail is falling or has just fallen -- and if you can safely get on your computer -- please submit a "Significant Weather Report" and/or a hail report if appropriate. You'll find these report options under "My Data" and on the upper left hand menu bar when you are logged on. These supplemental reports do not replace your regular daily precipitation report, but they do give you the opportunity to report storms in progress. Whether you've been soaked with 2" of rain in the past hour or two, or 0.26" in the past 5-10 minutes, this timely information on rainfall rates or hail is a big help to weather forecasters and many others.

To see what these reports look like from other volunteers, just click on <http://www.cocorahs.org/ViewData/ListIntensePrecipReports.aspx>. Then click on "Select State" from the state dropdown menu to view all reports for the whole country. You'll see how helpful those reports can be.

Grasshoppers taking over.

For the second year in a row, the grasshoppers are taking over. Since the hot, sunny, dry weather set in 3 weeks ago, they are eating the pasture grass faster than the horses, and are decimating parts of our garden that Henry and Noah (CoCoRaHS staff) are caring for this year. The chickens are excited about the possibilities, and our fast-growing puppy is trying to chase and catch them with some small success. But the rest of us hate grasshoppers. Three days of cool, damp weather would slow them down, but that's not in the forecast.

Angel (our Great Pyrenees) has drooled enough this past month to fill a small swimming pool. She's totally ready for

winter. As for the horse corral, it's turned back to dust. I can almost guess how much it's rained in the last day, week and month, just by walking out to the barn, flaking some hay bales and scooping some manure. Everything is interconnected.

Thank you

Thanks for sticking with CoCoRaHS and doing what you can to help. Enjoy the rest of the summer, and be ready in case you're in the path of the next big storm. If you know folks in your area or in other parts of the country who might want to help measure their rainfall, please get them signed up. And if you have any extra water, send it to Texas -- they need it badly".

Best wishes,

Nolan Doesken

Colorado State University

Need a Hand?

If you need assistance, we want to help you. If you are just starting out in ham radio, or simply have run across something that you could use a hand with... technical assistance or answers to questions about the Yavapai Amateur Radio Club, are available from knowledgeable club members.

Don't Hesitate to Ask for Help!!

CALL:

Neil Vince, K7SEN at: (928) 775-2158

Jim Ball, WB7UZV (928) 445-2997

Will Taylor, AD7WW (928) 445-1717

VE TESTING

By Mary Vince, AB7NK



Our VE test session on August 5th was a smashing success! We had 22 applicants and 22 new or upgraded licensees. We have seventeen new Technicians, three new General Class and two new Extra Class!

Congratulations to all of you. Most of the Technician applicants took the July 23rd class, and this success shows how well the teaching team performs. We are fortunate to have so many talented teachers available to our club.

Thanks a bunch to the six VE's who watched over the flock. We had Neil, K7SEN; Dick, W6CCD; Bob, K7POF; Ray, N6MU; Doug, KV8TD; and John, WB9VGJ.

Mary was busy with another project, so we had to muddle through without the guidance of our leader. Had a bit of a slow start, but two hours later, we had 22 new or improved hams!

Thanks also to the Jeep Posse for allowing us the use of their nice building. It is a huge help.

The next VE session will be at the Jeep Posse building, Saturday, November 5th at 9:00 A.M.

73, Dick, W6CCD for Mary, AB7NK

Wednesday Evening Net

All club members are invited to check into the Wednesday evening net at 7:00 p.m. on the 146.880 repeater. There is a pl tone of 100 Hz.

Thank you to those who signed up to take the net in July thru August 17. **Net controls are still needed for the remainder of September, November and December.** You can sign up for a week, a couple weeks or the entire month. It is a great experience and you're with friends. The preamble and roster are available on the website, www.w7yrc.org, under the Weekly Net Tab.

The club participates in numerous public service events throughout the year. Checking into the net is a great way to make sure your radio equipment is functioning properly as well as keeping your radio skills top notch.

Various subjects are discussed on the net and if you have an idea, question or wish to sign up as net control, contact Neil, K7SEN at 775-2158 or k7sen@arrl.net



Area Repeaters

Weekly Breakfasts



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, N7PJN

Freq.	PL	Location	Owner/Club	Auto-Patch	Rem. BaseOr Linked	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			IRLP	Node 3301
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				
147.140+	162.2	Flagstaff/-Mt. Elden	ARA		Linked to Mt. Ord		Mt. Ord=147.36
147.220+	162.2	Mingus Mtn	VVARA				
147.260+	103.5	Mt. Union	ARES/RACES				
224.080-	156.7	Mt. Union	WA7JC				
442.150+	100.0	Mingus Mtn	W1OQ/Northlink				
442.350+	100.0	Glassford Hill	N7KPU			IRLP	
448.475-	100.0	Flagstaff-Elden	ARA	Yes			
448.875-	100.0	Flagstaff-Elden	Northlink		Linked		
449.175-	100.0	Towers Mountain	Northlink		Linked		
449.250-	192.8	Chino Valley	K7POF				"AR News Line" daily at 0800 MST
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn.		P mtn=927.3875
449.725	110.9	Mingus Mtn	WA7JC				
449.750	91.5	Williams	K7NAZ		Linked to Win-Sys		
927.0875-	151.4	Mingus Mtn	WB7BYV				
927.3875-	151.4	Prescott	WB7BYV	Yes	Yes	Echo	Be Nice



T-Hunt Frequencies:

Primary - 145.100 MHz

Secondary - 146.565 MHz

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 Dick Hughes, W6CCD, our Webmaster

