

Welcome to the Coconino Amateur Radio Club (CARC) Monthly Newsletter. CARC is a non-profit club devoted to providing communication services to local volunteer agencies and events. Meetings are held the second Thursday of each month at the East side Sizzlers Restaurant Highway 66 at Fanning Dr. Flagstaff, at 7:00PM. All persons interested in amateur radio, whether licensed or not, are welcome to attend.

Coconino SkyWarn meets 1900 every Monday evening on the 146.98 repeater and at 1930 on the Navajo Mountain CACTUS repeater and 146.480 simplex.

Coconino ARES meets 1900 every Wednesday evening on the 146.98 repeater and at 1930 on the Navajo Mountain CACTUS repeater and 146.480.

Calendar of Events for 2015:

9/26-27	100 Mile Stagecoach Run	Bill Smith
10/10	Soulstice Run	Bob Meadowcroft
11/?	Girls On The Run	Sandy Meadowcroft
12/4	Statewide Emergency Drill	Joe Hobart
12/5	Skywarn Recognition	Mike Clever
12/?	Christmas Party	Meadowcrofts

Officers:

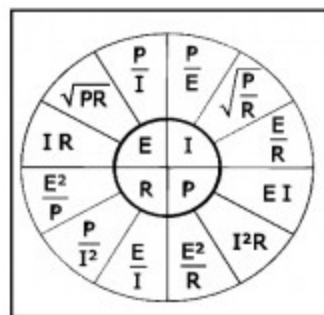
President: Sandy Meadowcroft KF4JHC

Vice-President: Tom Shehan W7TGS

Secretary: Erv Perelstein, KE7QFI

Treasurer: Pat Traber, KE7QFG

PIO: Janice Enloe, KI6WCK



E = voltage I = current
 R = resistance P = power

Reminders:

Club membership dues for 2015 are due at the January meeting: \$25 for individuals and \$30 for a family. Please plan to pay the treasurer at the February meeting

Thank you to all who have run the Monday and Wednesday night nets:

Flagstaff: Tom W7TGS, Erv KE7QFI, Mike KD8RQV

Page: Lee KF7YRS and Vince WB7UWW

If anyone one would like to help with the nets, please let Tom know. It is good practice for radio skills and the script is written for you to use.

Licensing Exams for 2015:

Remember to bring your license and a copy, a government issued picture ID, a black ink pen, and fifteen dollars.

17 October North Country Healthcare, 4th St, Flagstaff

<http://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>

Arizona Newsletter: <http://www.arrl.org/>

Tutorials: <http://www.arrl.org/tutorials>

http://www.arrl.org/exam_sessions/flagstaff-az-86004-1221-2

The next Coconino Amateur Radio Club license exam will be 9 am, Saturday, [October 17](#)

Next Business Meeting:

Our next business meeting will be August 13, 2015 at the East side Sizzlers at the corner of Highway 66 and Fanning.

Snowbowl Run:

Thank you to all of the volunteers that assisted with the July 19, Snowbowl Run. This was a successful event for all. It was cold and cloudy but the rain forecasted did not materialize. Thanks to all that gave their Sunday morning to provide communication services to this local event.

Thank you,

Janice

Club Thank You's:

The Coconino Amateur Radio Club could not function without the time, talents and resources of its members. The Officers wish to thank all members for helping the club in any way they can. This month, we have had a change in our mail list server and licensing exam locations. Thank you to those that have made this a smooth transition.

Thank you to **Dan Boone** for providing his many years of service, a consistent location for license examinations and management of the CARC mail list. Dan has been a tremendous asset to the club for many years and we hope he can keep in touch with us as he is able. Thank you, Dan.

Thank you to **Bruce Packard** who has taken over the mail list for communication with the club members. Since I am receiving emails from the list, it seems to have been a smooth transition to the new Google server. Thank you to Bruce for his work to keep this important line of communication open for all club members and friends.

Thank you to **Bill Smith**, KQ1S, for arranging the location at North Country Healthcare for the Spring technician class and again for the upcoming technician class this fall as well as the new location for future licensing exam sessions. Using the North Country Healthcare facility, where Bill works, requires that Bill, or one of his coworkers, be present while CARC members are using the location which is a big commitment on Bill's part. This degree of dedication and support is greatly appreciated. Being able to use the North Country Healthcare location for the technician class saves CARC great bit of money that we can use otherwise. Thank you Bill for your great service to CARC.

Upcoming Events that May be of Interest to Club Members:

Route 66 On The Air:

We will be set up in Williams operating W6T for Route 66 OTA. We will operate 24 hours a day for 9 days in Williams and Belmont. Check out W6T on QRZ.com for more information.

BTW I could use a relief operator most any time from Sept 12 - 20.

Ron Gerlak KG7OH

rbgerlak@gmail.com

NAU CERT Emergency Preparedness Fair

September is National Preparedness Month!

CARC/ARES has been invited to participate in the NAU CERT Emergency Preparedness Fair Saturday, 12 September. This is an excellent opportunity to explain and

possibly demonstrate amateur radio to NAU students, many of whom are interested in emergency preparedness.

For more information go to:

nau.edu/prepfair

Refreshments and Door Prizes

Come learn about personal preparedness, wildfire and weather safety, volunteer opportunities, 3 steps to ready, and more.

Date: September 12, 2015

Time: 10:00 am to 4:00 pm

Location: NAU du Bois Ballroom

Minutes of the Coconino Amateur Radio Club

7/9/2015

Meeting Started: 7:00 pm

Guests: None

Secretary's Report: Since the minutes of the June meeting were published in the newsletter there was no need to read them. Phyllis Thompson reported on two errors in the June minutes which Erv promised to fix in last month's minutes. Scott Martin moved to accept the minutes as updated and Ken Held seconded the motion. Approved unanimously.

Treasurer's Report: Pat Traber, our club treasurer, gave the treasurer's report. The closing bank balance as of 7/8/2015 was \$3,089.24. Membership is 52, consisting of 48 paid members and 4 lifetime members, probably the highest membership in many years. Erv Perelstein moved and KEN seconded a motion to accept the Treasurer's Report as written. Unanimously accepted.

President's Report: After Introductions, (we welcomed several new attendees, again), Sandy Meadowcroft thanked all who participated in the Field Day Event on the previous weekend. It was very successful. We had visitors from our political leaders and from the organizations we assist. Ron Gerlak shared with the club the statistics from Field Day, i.e., contacts made, extra points, etc. We all gave a big thanks to Scott & Amy Martin for allowing us the use of their excellent location for Field Day again this year.

Sandy told us that the VE Licensing Exams can no longer be held at the Bilby Research Center and that we are looking for a new location. Joe said that Bill Smith has offered us the use of

the North Country Health Care facilities for testing. The last testing session was held there and they are an excellent facility for us. Thanks to Bill and North Country Health Care.

Sandy told us there are additional CARC T-Shirts and she is still taking orders for additional shirts. Some members were already wearing the T-Shirts, they really look nice. There is still time to order yours at \$12, hats are \$7.00 and ARRL/Field Day shirts are \$15.

Sandy told us that there have been quite a few people interested in CARC providing another Technical Licensing Class. She asked if the instructors were willing to teach another round of classes. All instructors present said they were, so we are proposing the next class start on October 3rd, a Saturday morning again, and continue until the end of November. We will start advertising those dates and see how many students sign up.

Sandy gave a quick calendar update of upcoming events:

July 19	Snowbowl Run, Janice Enloe coordinator, said all positions are filled, but we could use new licensees and interested, unlicensed people to shadow members and see how our services are provided. If interested, contact Janice,
July/24-26	Williams Hamfest, VE License Testing, Joe coordinating, testing will be on Saturday morning, 7/25,
Aug 1	Toys-for-Tots/Fat Tire Race, Ron/Mike Clever coordinating, Ron said there will be a morning briefing on Sat 8/1 via VHF at 6:30 AM using the ARES Mt Elden repeater, 146.980,
Aug 8	Big Brothers/Big Sisters 1/2 Marathon, Bob Meadowcroft coordinating. Recruiting for volunteers is going well, more updates to come,
Sep 26-27	100 Mile Run, Bill Smith has send initial contact via email, need volunteers,
Oct 10	Soulstice Run, Bob Meadowcroft is requesting volunteers,
Nov 14	Girl's - On -The - Run, Sandy and Dawnelle Shehan co-coordinators, need volunteers,
Dec 5	Skywarn Recognition Day, NWS Belmont, Mike/Scott coordinating,
Dec ??	Christmas Party, Sandy & Bob Meadowcroft hosting in their home, details TBD.

ARES Report: Joe Hobart told us that the KNAU Simulcast station is still off the air and the ARES repeater continues to be excellent.

Janice Enloe reminded us that she keeps a technical library at her house for our use. She is trying to get additional books. She asked that anyone having technical books they would like to donate to our library, please contact her.

J.D. Ward informed us that the Williams repeater is having trouble again, even after getting new antennas. The transmit side is very weak, almost unreadable. Since we use that repeater on several of our public service events during the year, a discussion followed on what, if anything, we can do to help them. J.D. will talk to them and get back to us. Ken said he had the equipment to test the repeater but would like his help to be a last ditch effort. Ken mentioned that Yaesu has a limited time offer sale of a new repeater and asked if we should look into buying one for the club. The general consensus was no.

Pat said that before the Munds Park 4th of July Parade, they were told that the Fire Dep't frequencies would no longer work on their radios. Pat gathered 7 club members together and they provided radio backup for the Munds Park 4th of July Parade. Those club members were: Pat and Al Traber, Diane Martin, Eric Lash, Bill and Mary Lou Hagan and Ron Gerlak. Thanks to them for providing the public service.

OLD BUSINESS: Ron updated us on the progress of our new website. He said there were two club rosters on the site, one is the public list of members and call signs that is available to everyone visiting the site. The second roster is private and requires a password to access. The only entries on that list are for members who have signed a waiver to allow that information to be available. He also reminded us that they have stopped using the Print Raven for hosting the site. There was a discussion about other possible hosts, including NAU but they require the webmaster to be an NAU employee. Jody and Bruce Packard, (new members but not yet licensed), volunteered to create a List Serve on gmail for us. Thank you very much Jodi and Bruce.

Scott, who volunteered last month to design a business card for the club, provided 500 of those cards tonight. They look very good and have all the information that a prospective member might need to get started toward membership. Thanks to Scott.

Mike asked if we would be interested in having the National Weather Service at Camp Navajo provide a Skywarn class for us at the next meeting. Most club members were interested so he will contact them and see if they can hold a class for us at the August meeting.

NEW BUSINESS: No new business was brought up this month.

50/50: Amy Martin won the 50/50 raffle.

There being no further business, Scott moved and Ken seconded a motion to adjourn was passed unanimously.

NOTE: Ken Held now holds the record for most motions seconded.

Meeting Ended: 8:25 pm.

Presentations:

Sandy Meadowcroft provided a demonstration of what sort of things we should be carrying in a well stocked carrybag for emergencies or radio deployments. We discussed: clothing, food, water, communications, (handhelds, weather radios, etc.), binoculars, warming space blankets, first aid kits, a whistle, a good camping knife similar to a Swiss Army Knife, ponchos, etc. It was an excellent demonstration which provided a starting point for us to put our own carrybag together. Thanks to Sandy for the presentation.

US Islands QSO Party Participation-general

Hi to the Coconino ARC (KC7KCN) and its Members:

This is to invite the Coconino ARC (KC7KCN) and its members to participate in the 2015 US Islands QSO Party on August 29-30(1200-0300 UTC). Nearly 3000 islands have been listed by the 21 year old US Islands Award Program and a little more than 2000 of these have been activated. There are many more islands in the USA and its territories that qualify for listing since an Island only need to be surrounded by water, at least 100 feet long and at least 50 feet from the main shoreline.

A mini-expedition to activate an island can be a fun club or individual Ham experience. This is especially true during USI's Spring One-Day Getaway and the August QSO Party. Being on the receiving end of relaxed pile-ups along with QSOs with other island stations and an expanding band of island collectors can be a rewarding activity for KC7KCN. Some QSO Party island expeditions will be to previously activated Islands while others will be activating listed but not yet activated islands or new islands they have had added to the list.

The first reported activators of an island have their callsign shown on the list of US Islands. Initial activations require at least 25 QSOs and contacts with at least two DX entities (usually the US and one other), but subsequent activations can be as few or many QSOs as you want to make.

Participating non-island stations are an important part of the USI QSO Party, so if Coconino ARC will not be operating from an island please consider having KC7KCN contact the island stations during the USI QSO Party.

Information about the US Islands, the QSO Party and a calendar to post your planned operations can be found at: <http://www.usislands.org/> It would be appreciated if this information were mentioned at your club meetings and in your newsletters with the hope some members would want to participate as a club or individual effort.

73,

Ralph, NM5RC

US Islands Award Program Committee Member

Club Members in Action This is What We are About

Thank you to Mark Christian for submitting this report.

On Sunday July 19 at approximately 1245 PM the community of Forest Lakes, Arizona lost telephone long distance services, internet, and cell phone services. Local telephone calls within Forest Lakes were possible. Much of Navajo and Apache counties were also affected by loss of cell service and internet. Five 911 PSAP (Public Safety Answering Points) call centers were also out of service. The service disruption to approximately 15000 customers was related to damaged fiber optics cables between Snowflake and Holbrook.

This created quite a challenge for EMS and Fire services since Forest Lakes Fire District and medical and emergency services are dispatched by landline connection between the local VHF radio repeater and the Coconino County 911 center in Flagstaff.

On July 19, 2015 local Forest Lakes volunteer firefighter and amateur radio operator John Nelson (N7MLS) made the observation the outage was of a serious nature and contacted Forest Lakes Fire Chief Dave Rodriquez. Chief Rodriquez made a request to use Amateur Radio Emergency Services (ARES) to facilitate radio communication between Forest Lakes and county personnel in Flagstaff. John, N7MLS, in Forest Lakes used the Mount Elden 146.980 MHz amateur radio repeater to notify Flagstaff that Forest Lakes needed communications. Scott Martin (KY7A) and Tom Shehan (KY7WV) received the initial call.

ARES District Emergency Coordinator Joe Hobart (W7LUX), Scott (KY7A), and Tom (KY7WV) took immediate action to facilitate a communications network between Forest Lakes, Flagstaff, Apache County and Navajo County. Joe (W7LUX) notified Coconino County Emergency Management and the Coconino County Sheriff's dispatch, identified himself and described the radio communications provided by amateur operators and his contact information for future needs.

Radio contact through the Coconino County Sheriff's Office directly to the resident deputy and Forest Lakes Fire was the primary method of communications. With amateur radio as the alternative or backup communication method.

The communications network established on the 2 meter Mt. Elden repeater (146.980) to maintain contact between Forest Lakes, Coconino County Emergency Management, and Flagstaff operators provided round the clock monitoring capabilities utilizing John (N7MLS), and several amateur operators in the Flagstaff area through the night of July 19.

Back up amateur radio communications on the State RACES frequency of 3990 KHz monitored by KD7OOE (Navajo County-Heber) and KE5PZ, (Apache County) provided monitoring capabilities with other amateur radio operators in the outage area. Coconino ARES members continued to monitor the situation until Frontier Communications completed additional repairs Tuesday July 21.

For Sale or Wanted:

I found this on Craigslist and included it for those that may be interested

Amateur Radio Auction (Las Vegas, NV)

The Las Vegas Amateur Radio Club will be holding an auction of amateur radio equipment , test equipment, computers and non electronic items from the club's inventory (field day gear, etc) on September 26, 2015 in Las Vegas, Nevada.

8:00 AM until 9:15 AM will be set up

9:30 until 10:15 AM will be a training class "Introduction to Emergency Communications"

10:30 until 2:00 PM will be the auction - Auction will continue til everything is gone.

The location is the Salvation Army, 2900 Palomino Lane. (2 blocks west of Rancho drive between Charleston Blvd and Alta Drive). Talk in will be on the 146.94 repeater (PL 100).

Radio gear will consist of HF, VHF and UHF amateur and commercial gear, antennas and accessories. There will test equipment. A catalog with pictures will be available after September 7th.

See Icom, Kenwood, Yaesu, Standard, Midland, Motorola, Cushcraft, Tektronix, B&K gear and more.

We are accepting outside equipment for inclusion in the sale. There will be a commission of 15% on all private sales. Cash or credit card sales only. Credit cards will be accepted but will be charged an additional 2.75%

Admission is \$5.00 (cash) and coffee, soft drinks, and pastry will be available for free starting at 8:00 AM.

Wanted: Rohn 25/45 gin pole. Contact Ray, W7GNE - Home: 480.998.1893

For Sale:

Partly Restored Vintage Tube-type Transmitter: Baker Williams B&W 5100B AM/CW, 80-10m, 150w(2)6146's, has built in VFO and restored dial. Included is: Matching B&W 51SB-B SSB Generator (for ssb operation). Both will need new electrolytic filter capacitors. Interconnect cables (between 5100B and 51SB-B) included. \$585.00 for package. Contact: Ray, W7GNE @ 480-540-4629

Upcoming Hamfests You May be Interested in Attending:

CopaFest: Maricopa Amateur Radio Association. October 17, 2015. 7:00AM-3:00 PM, Free

copahams.com

Kingman Hamfest: Mohave Amateur Radio Club, October 24 & 25 2015.

www.kingmanhamfest.com Admission \$5

Oro Valley Hamfest: Oro Valley Amateur Radio Club, November 7, 2015. Marana, AZ

hamfest@tucsonhamradio.org

HARKfest: Hassayampa Amateur Radio Klub, Nov. 14, 2015. 8AM-Noon, Congress, AZ. Free.

Superfest 2015: Superstition Amateur Radio Club, December 5, 2015. 7:00 AM – 2:00 PM. Mesa Community College, Mesa, AZ. Admission \$5.

Hanging out on the HF bands:

HF is alive and well with the summertime propagation with us again. Twenty meter Gray Line (the sunrise and sunset lines as they cross the globe) seem to be the best bet for propagation into Europe and the South Pacific from here. Europe in the mornings and the South Pacific in the evenings and even into the later hours. But other openings are happening as well. So don't be shy about turning on the HF rig and take a listen. I like late evenings best (after 9:00 p.m.) as the east coast stations are in bed, which gives us here a better chance of being heard. I find DX stations calling for west coast stations quite a bit (they seem to consider "7's" as west coast). I use a DX spotting network (www.dxwatch.com) to help with spots and it comes in handy when the bands are crowded. Last week, I became involved in a three way round table with a W7 in Washington State and some friends of his in New Zealand. I got a 59 from the Washington station and from the ZL2 station as well. With an attic beam pointed north and my 500 watts, if I can do it, almost anyone can. Longer wire antennas with modest power levels are getting good reports from DX stations as well, so that may be worth a try if you don't have a tower and beam. Have fun. Richard, W7MDQ

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