

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:

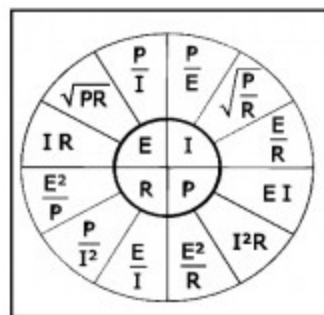
President: Sandy Meadowcroft KF4JHC

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.

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## **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, 4<sup>th</sup> 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](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](#)

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## **Next Business Meeting:**

Our next business meeting will be September 10, 2015 at the East side Sizzlers at the corner of Highway 66 and Fanning.

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**FCC News:** The FCC announced this morning that upgrades ran into some issues and systems are still down and they hope to be up by Thursday morning.

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## **Upcoming Events that May be of Interest to Club Members:**

**Hello to All,**

The Route 66 On The Air W6T station will use the NADXA club trailer, tower and beam this year in Williams and Belmont from Sept 11 - 20.

The schedule is as follows and if you are able to help please call me. I don't think I will not have email during the event. We plan to operate 24 hours a day between setups.

Friday, September 11, 2015, - Noon - Bob NF7E and Ron KG7OH will connect the trailer and head for Williams. Jack KD7RCJ is driving.

Friday, September 11, 2015, - About 1:00PM - Setup the tower/beam, 40/80 meter dipole and radio station complete.

Friday, September 11, 2015, - 5:00 PM - Begin operation of W6T.

Operate

Monday, September 14, 2015, - 2:00 PM - Take down and pack up the tower/beam, maybe the dipoles and the radio station.

Monday, September 14, 2015, - 6:00 PM - Connect the trailer and head to Belmont. Disconnect and leave the trailer there for the night. Rob Gerlak is driving.

Rest

Tuesday, September 15, 2015, - 8:00 AM - Setup the tower/beam, 40/80 meter dipole and radio station complete.

Tuesday, September 15, 2015, - Noon - Resume operation of W6T.

Operate

Thursday, September 17, 2015, - 2:00 PM - Take down and pack up the tower/beam, dipoles and the radio station.

Thursday, September 17, 2015, - 6:00 PM - Connect the trailer and head back to Williams.

Disconnect and leave the trailer there for the night. Rob Gerlak is driving.

Rest

Friday, September 18, 2015, - 8:00 AM - Setup the tower/beam, 40/80 meter dipole and radio station complete.

Friday, September 18, 2015, - Noon - Resume operation of W6T.

Operate

Sunday, September 20, 2015, - 5:00 PM - Take down and pack up the tower/beam, dipoles and the radio station.

Sunday, September 20, 2015, - 7:00 PM - Connect the trailer and head for Winnona. Jack KD7RCJ, is driving

Rest

On the weekends there are lots of places to eat, shop and lots of fun to be had in the town of Williams. Come out and enjoy a day of nostalgia, visit Bearizona, or ride the train. Stop by the ham radio station, W6T, and operate or just visit. We will be under the Zip Line.

Check out W6T on [QRZ.com](http://QRZ.com).

Best 73's

Ron Gerlak KG7OH

**New Number [480-356-3663](tel:480-356-3663)**

[rbgerlak@gmail.com](mailto:rbgerlak@gmail.com)

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## 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](http://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

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## Minutes of the Coconino Amateur Radio Club

8/13/2015

### Meeting Started: 7:00 pm

**Guests:** Jack Lunsford, Amateur Radio Council of AZ (ARCA), a powerpoint presentation about ARCA and what they do for all amateur radio members. Their services include: hamfest assistance with liability insurance, scholarships, frequency coordination committees, grants, Young Ham of the Year Awards, licensing classes, coordinating VE Testing sessions, providing clubs with a 501(c)(3) non-profit identity and providing general public relations for amateur radio. Jack invited all members to attend the Kingman State Convention and Hamfest and recommended CARC become a member of ARCA.

**Tony Merriman**, Warning Coordination Meteorologist, National Weather Service (NWS) of Flagstaff Tony provided the members with a SKYWARN class.

**Secretary's Report:** Since the minutes of the July meeting were published in the newsletter there was no need to read them. Pat Traber moved to accept the minutes as written and Bob Meadowcroft seconded the motion. Approved unanimously.

**Treasurer's Report:** Pat, our club treasurer, gave the treasurer's report. The closing bank balance as of 8/11/2015 was \$3,098.19. Membership is 53, consisting of 49 paid members and 4 lifetime members, probably the highest membership in many years. Erv Perelstein moved and Betty Gerlak 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, on behalf of the CARC, thanked Bill Smith for arranging for training space and VE Testing space with North Country Health Care. Also thanks to Phil Brunner and Ron Gerlak for their continuing work on the CARC website. Sandy said that the CARC Mail (our list serve) is being transferred to Google. She said that she and Janice will be co-coordinators for this switchover. Please contact them if you have questions or problems.

Sandy and Joe Hobart told us about the Forest Lake cable outage on July 19th. The Frontier Fiber Optics Cable was shot with a gun. Five 911 Centers and other communications were affected. We assisted Emergency Management and the Coconino County Sheriff's Office in relaying messages between Forest Lakes and Flagstaff. Much thanks to Scott Martin and Tom Shehan, who were our primary message relays.

Sandy reviewed the recent Jacob Lake search for a 5 year old boy who wandered away from

the campsite. She said that CARC was asked to provide radio operators but the road was closed because of a rock slide and we couldn't respond.

Sandy gave a quick calendar update of upcoming events:

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 and said we will be using VHF,

Nov 14 Girl's - On -The - Run, Sandy and Dawnelle Shehan co-coordinators, need volunteers,

Dec 5 Skywarn Recognition Day, NWS Belmont, Mike Clever/Scott coordinating,

Dec ?? Christmas Party, Sandy & Bob Meadowcroft hosting in their home, details TBD.

**ARES Report:** Joe told us that the KNAU Simulcast station is still off the air and the ARES repeater continues to be excellent. We were reminded to keep checking the 146.980 repeater during any type of emergency or potential problem with lightning or flooding.

**OLD BUSINESS:** Sandy told us that the new technician licensing class will run from Saturday 10/3, to Saturday 11/21 at the North Country Health Care Facility. Joe said he will schedule a VE Testing day very soon after the class is over. The class information is on our new website.

Ken Held will order the new Yaesu Repeater and will be repaid by our Treasurer, Pat. It will be operated on UHF, (smaller size duplexer) for now. We already have a coordinated pair of frequencies approved. Ken recommended that we spend the \$49 for a 2 year extended warranty. He will keep us up to date on this project.

Sandy thanked the coordinators and all volunteers for the 3 excellent events we participated in this past month: Snowbowl, Janice Enloe - coordinator, Fat Tire Race, Ron and Mike - co-coordinators, and Big Brothers Big Sisters Half Marathon, Bob - coordinator.

The 100-Mile Race is coming up at the end of this month. Bill Smith, our coordinator, will not be here to during but he will continue to coordinate efforts until he leaves. Bill reviewed the current assignment of volunteers and the communications requirements, which will include VHF (Williams Repeater and Elden Repeater, as well as 75 meters HF).

Joe informed us that there is a second event scheduled for 9/26, Man vs Machine Race, in the early afternoon which also will make use of the Williams Repeater.

Ron and Pat reported that our new CARC Liability Policy is in effect and at a reduced cost to the club.

Ron announced that the Route 66-On-The-Air weekend is coming up from September 12-20. There is a need for volunteers to operate the Route 66 radio station from 11 am - 11 pm during this time. He reminded the club that, even though HF will be the main frequency, all volunteers are welcome.

Janice told us that the CARC Library listing of available material will be on the website.

**NEW BUSINESS:** CERT and NAU are hosting a Preparedness Fair on Saturday, 9/12 from 10 am to 4 pm in the NAU Conference Center at the Drury Inn. All members interested should are invited to attend.

**50/50:** Bob Meadowcroft won the 50/50 raffle.

There being no further business, Scott moved and Phyllis seconded a motion to adjourn. Passed unanimously.

Meeting Ended: 8:45 pm.

**Presentations:** No additional presentations.

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## **September 12th & 13th is the annual "Summits-on-the-Air" Activity Weekend**

North America SOTA Activity Weekend 2015 is a casual event involving tiny battery-powered radios on mountain summits. It is not a contest but is intended to introduce "Summits on the Air" to newcomers with home stations who try to work summit operators during one or two days. There are no rules regarding power levels, modes or number of bands worked, but please be courteous when more than one station is trying to talk to a SOTA operator on a summit. The SOTA operators have just climbed mountains as high as 14,000 feet; they use low power; and they don't receive on split frequencies.

Check SOTAWATCH.org to spot who is on which mountain. Summits are numbered, and you can hover your cursor over the number to see the name and point value for each summit. Expect the website to show activity near 7.032, 7.185, 10.110, 14.342, 18.095, 18.155, 21.350, 24.905, 24.955, 28.420, 146.52, 446.00, and 61 KHz up from the bottom of 20, 15 and 10 meters CW. Participants are invited to collect points toward certificates and trophies offered by the thirteen-year-old international SOTA group ([SOTA.org.UK](http://SOTA.org.UK)). As we learned in past years, this is a barrel of fun for both hill climbers and home operators. See you then.

The folks at NA-SOTA.org

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## Upcoming Hamfests You May be Interested in Attending:

CopaFest: Maricopa Amateur Radio Association. October 17, 2015. 7:00AM-3:00 PM, Free  
[copahams.com](http://copahams.com)

Kingman Hamfest: Mohave Amateur Radio Club, October 24 & 25 2015.  
[www.kingmanhamfest.com](http://www.kingmanhamfest.com) Admission \$5

Oro Valley Hamfest: Oro Valley Amateur Radio Club, November 7, 2015. Marana, AZ  
[hamfest@tucsonhamradio.org](mailto: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.

Oct 10 1600Z to Oct 11 0600Z and Oct 11 1400Z to Oct 11 2359Z the  
2015 Arizona QSO Party, sponsored by the ARRL Arizona Section and  
Catalina Radio Club. [www.azqsoparty.org/](http://www.azqsoparty.org/) Phone, CW and Digital modes on  
160/80/40/20/15/10/6/2 meters. Single-Op, Multi-Op, Arizona  
Multi-Multi, Arizona County Expedition and Mobile categories. If any  
Arizona clubs are interested in hosting the Special Event Station,  
please contact [ke7dx@marketemporium.com](mailto:ke7dx@marketemporium.com).

17 October 2015 CopaFest : Maricopa Amateur Radio Association,  
Harrah's Complex, located on Ak-Chin land, Ultra Star Multi Tainment  
Center 16000 Maricopa Road, Maricopa AZ 85139 <http://www.copahams.com>

October 23 2015 - October 24 2015 Arizona State Convention  
[kingmanhamfest.com](http://kingmanhamfest.com) Location: Mohave County Fairgrounds 2600 Fairgrounds  
Blvd. Kingman, AZ 86401 Website: <http://k7mpr.net> Sponsor: Mohave  
Amateur Radio Club Talk-In: 147.240 (PL 123.0) Public Contact: William  
Smith, KD7MIA 1530 Ellerman Drive Kingman, AZ 86401 Phone:  
928-529-2299 Email: [bill1021@gmail.com](mailto:bill1021@gmail.com)

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## **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](http://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

Reprinted from ADAW,

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## **Ham Radio Licensing Class - Technician Class** (Based on the ARRL Technician Instructor Manual)

Presented by the Coconino Amateur Radio Club (CARC) [cocoradio.org](http://cocoradio.org)

Location: North Country Health Care facility at 2920 N 4th Street, Flagstaff, AZ 86004.

Maximum students - 20.

Cost - \$25 for students age 21 and over and \$10 for those age 20 and under.

The book is required. Ham Radio License Manual Level 1 Technician, third edition.

Available from ARRL [arrl.org](http://arrl.org), paper book, \$25 (?) plus shipping or electronic format.

We will have some at the first class, also.

Homework assignments will be to read the chapter(s) to be covered and study the practice test questions .

**For questions and to register:** Contact Sandy Meadowcroft - [\(928\) 660-8323](tel:9286608323)



[sandymeado2@yahoo.com](mailto:sandymeado2@yahoo.com)

**Class Dates and Times:**

**9:00 AM – 12:00 PM**

Oct. 3

Oct. 10

Oct. 17

Oct. 24

Oct. 31

Nov. 7

Nov. 14

Nov.21

*Sandy Meadowcroft*