

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.

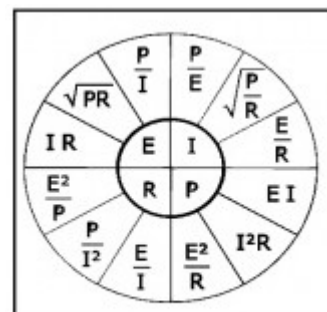
Coconino ARES meets 1900 every Wednesday evening on the 146.98 repeater and at 1930 on the Navajo Mountain CACTUS repeater and 146.480.

Calendar of Events for 2015:

4/11	Licensing Exam	
4/29:	PFAC Exercise- Wildland Fire Exercise - alternate 5/6	
5/15-17	Overland Expo, Licensing Exam	
6/6	Sacred Mt. Prayer Run	Sandy Meadowcroft
6/27-28	Field Day (Outdoor Mkt)	Ron Gerlak
7/19	Snowbowl Run	Janice Enloe
7/25	Williams Hamfest	
8/1	Fat Tire Bike Race	Need Coordinator
8/8	Big Brothers Big Sisters	
9/26-27	100 Mile Stagecoach Run	Bill Smith
10/10	Soulstice Run	Bob Meadowcroft
11/?	Girls On The Run	Sandy Meadowcroft
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

CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Board meetings are held the last month of each quarter at the AZ Science Center. Annual meeting for all volunteers is held the **THIRD SATURDAY** of January. Watch ADAW for details.

President Bob Burleson KG7QJ 480.961.1109

Vice President Tom Salt AD7PM 480.926.0348

Secretary John O'Neal K7JP 480.345.7800

Treasurer Roger Buel W9NCQ 602.493.7242

Board Members Ray Waddoups KE7FUM 480.654.9883

David Zinder W7PMD 602.358.7826

Ken McLeod KM3N

Web Master, ARCA Rep - Roger Buel, W9NCQ - 602.493.7242

For information: Email to carl@w7asc.org or call Bob Burleson, KG7QJ at 480.961.1109. Web Site: <http://www.w7asc.org>

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:

11 April	Bilby Research Center
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A reminder that license exams will be held 0900 Saturday, 11 April at the NAU Bilby Research Center conference room. Remember to bring your license and a copy, a government issued picture ID, a black ink pen, and fifteen dollars.

Erv and Ken will help; we need one more VE.

17 May	Overland Expo/Mormon Lake
30 May	License Class ???
18 July	Williams Hamfest
17 October	TBA

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

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

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

Next Business Meeting:

Our next business meeting will be April 9, 2015 at the East side Sizzlers at the corner of Highway 66 and Fanning.

CQ Field Day, CQ Field Day, CQ Field Day

Anyone interested in participating in 2015 Field Day please call now.



Your CARC club Officers will each help with organizing this years Field Day - -

President: Sandy Meadowcroft KF4JHC, Vice-President: Tom Shehan W7TGS, Secretary: Erv Perelstein, KE7QFI, Treasurer: Pat Traber, KE7QFG, PIO: Janice Enloe, KI6WCK. Other Volunteers include Ron Gerlak KG7OH Field Day Chairman and Bob Drake AF7EL Safety Officer, Joe Hobart W7LUX Solar observing. Call or email if you have any suggestions or are interested in setting up, operating, organizing the food service, operating a display of your choice, take down and oh so many other things. We need at least two operators familiar with 6 meters to make the obligation to be there to operate the 6 meter station. This is a band that can be challenging and requires patience. If you are interested in this band, please contact Joe, W7LUX at W7LUX@arll.net. He can loan you a radio prior to Field Day so you can be ready for this band.

Mark your calendar for Friday June 26 for set up and Saturday and Sunday June 27 – 28 for operating and take down.

Best 73s to all,
CARC 2015 Field Day Chairman
Ron Gerlak
623-256-8753
rbgerlak@gmail.com

Minutes of the Coconino Amateur Radio Club 3/12/2015

Meeting Started: 7:00 pm

Guests:

1. Guest Speaker: Kaci Heins, Northland Preparatory Academy (NPA): Kaci talked about the proposed International Space Station Amateur Radio contact. NPA is now eligible to apply for their second contact with the ISS and Kaci asked us if we would, once again, assist in the setup of antennas, equipment and power for the operation of this project. The exact time slot is not known yet but it is expected to be some time in May and will occur during the week and during school hours. The ISS contact project was very successful the last time we assisted. The entire school is very excited about another contact.

Secretary's Report: Since the minutes of the February meeting were published in the newsletter they were not read. Tom asked if there were any changes or corrections to February's newsletter. There being none, Tom moved and Bobbie Brunner seconded a motion to accept the minutes. Unanimously accepted.

Treasurer's Report: The closing bank balance for 3/12/2015 was \$3,014.77. Membership is 42, consisting of 38 paid members and 4 lifetime members. Pat pointed out that there was an error in last month's Treasurer's Report. The closing balance should have been \$2,849.77. That correction has been made in last month's report. Ken moved and Janice seconded a motion to accept the Treasurer's Report as written. Unanimously accepted.

President's Report: Sandy thanked all attendees for coming to our meeting. We all introduced ourselves. Sandy reminded everyone that the first of the Licensing Classes was held on March 7th, taught by Sandy and Tom. The next class will be on March 14th, taught by Erv and Phil with a lab at 9:00 am and slide show at 10:00am.

Tom told members that the Northland Preparatory Academy Balloon Launch today, 3/12/15, was very successful. The balloon went up to about 102,000 feet and landed less than a 1/4 mile from one of the chase cars. Using APRS made tracking the deflated balloon to its final location very easy. Bruce Sidlinger brought a laptop in to show us a video taken from his plane as he followed the balloon on its ascent.

ARES Report: Joe reminded everyone that we are coming into the Wildfire Season and we cannot expect many warnings issued. He requests that members stay alert, stay ready and check for radio warnings on the Mt Elden .98 repeater often for information. He also recommended that all members concentrate on communications that do NOT include telephone and internet access as they may not exist in a real disaster. He reminded us that we should have information we need available without having to access the CLOUD, or Voice-Over IP (VOIP) systems.

Joe also discussed the problems we are having with our ARA repeaters on Mt. Elden. He and Ken have been working with NAU and the ARA technicians to resolve this problem but have been unable to make much headway. He shared with us that during the recent Balloon Launch supporting Northland Preparatory Academy, NAU turned off their 92.3 simulcast station and all problems with the 98 repeater disappeared. He made recordings of the high quality communications with the repeater and has provided them to both NAU and ARA. This is an ongoing project, more news when available.

We again reviewed our upcoming activities for the Spring, Summer and Fall with appropriate corrections and updates:

4/11	VE License Testing at Bilby Center, NAU	Joe
4/24-26	Girl Scout Campout (Non-official project)	Joe/Janice coordinating
4/29	PFAC Exercise	Assisting CERT with Radio Joe coordinating
5/??	ISS contact for NPA	Ken/Joe coordinating
5/15-17	Overland Expo (Call sign W7E),	Tom coordinating, Testing Sun morning
6/6	Sacred Mt Prayer Run, Thorpe Park	Dawnelle/Sandy coordinating
6-27-28	FIELD DAY	Ron coordinating
7/19	Snow Bowl Run	Janice coordinating

7/24-25	Williams Hamfest VE License Testing	Joe
8/1	Toys-for-Tots/Fat Tire Race	Ron/Mike coordinating
8/8	Big Brothers/Big Sisters 1/2 Marathon	Bob Meadowcroft coordinating
9/26-27	100 Mile Flagstaff - Grand Canyon Run	Bill Smith coordinating
10/10	Soulstice Race, Schultz Tank	Bob Meadowcroft coordinating
11/??	Girls-On-The-Run, Buffalo Park	Sandy/Dawnelle coordinating
12/5	Skywarn Recognition Day, NWS Belmont	Mike Clever/ Scott Martin coordinating
12/??	CARC Christmas Party	Bob and Sandy Hosting

OLD BUSINESS: Joe presented updated information on the PFAC Exercise coming up in April. Our role in the exercise is to assist CERT with communications. Joe found out that the CERT members were going to act as victims and it is doubtful that they will need communications backup. Sandy said that she would contact Mark Christian, Emergency Management Office to clarify our role in the exercise.

NEW BUSINESS: Sandy opened a discussion concerning our guests request for assistance on another VHF contact with the ISS by the Northland Preparatory Academy. It was agreed that this would be an Official Club Events. Phil Brunner made a motion to add this project to our schedule. Scott Martin seconded and it was passed unanimously. Joe said that we need additional members to participate so that they can understand how this project is managed. Ken volunteered to teach interested members how he successfully set this up during the last ISS contact. Ken said that he would write a Mission Statement for this activity and send it to Janice to be published in the CARC Newsletter.

There being no further business, Bill Smith moved to adjourn, Joe seconded and it was passed unanimously.

50/50 Drawing ??? won the 50/50 drawing this month.

Meeting Ended: 9:15 pm.

Presentation: Phil Brunner presented an update to the work he and Ron Gerlik have been doing on the CARC website. He showed us the Home Page and went through some of the links. An addition to the website is a WIKI is like a collaboration page where drafts of documents, ideas and organizing race support can be reviewed by all members. Their comments, corrections, additions and deletions can be discussed online on WIKI. It also has an associated Google Calendar so that schedules can be kept up to date. There will be a pass- worded section containing member contact information for those members who have agreed to publish their data. This website will become the official CARC website in November at which time it can be accessed on COCORADIO.CLUB. Until then we can continue to use the existing website on COCORADIO.ORG. Thanks to Phil for a very informative presentation.

CARC website: Hello to all CARC members, others who read the newsletter and everyone that views our website. We have updated some of the information on the website and made technical

changes to improve it. Now we need your input. If you see anything that is incorrect or if you have ideas on how the website could be improved upon please let us know. Phil Brunner and I are committed to making the site informative and user friendly. Forward your ideas to Ron Gerlak <mailto:rbgerlak@gmail.com>. Visit the CARC website at CocoRadio.org.

ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 1343 W. Broadway, Tempe, AZ, on the southeast corner of Priest and Broadway. Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at www.w7ara.org.

President Virgil Silhanek, K7VZ k7vz@w7ara.net

Vice-President Dennis Bietry, KE7EJF ke7ejf@w7ara.net

Treasurer Erv Heimbeck, K0OTZ k0otz@w7ara.net

Secretary Jim Hoff, N7XXX n7xxx@w7ara.net

For Membership Information, contact (Mike Montalvo, KF7MBK membership@w7ara.net) Arizona Repeater Association, Inc, P. O. Box 35758, Phoenix, Arizona 85069-5758. To join or renew, please visit www.w7ara.org/mbr/ Dues are \$18/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10. Life and family memberships are available.

For Sale or Wanted:

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

Ham Radio Licensing Class: Technician Level

March 7: Introduction to the ARRL, CARC

Chapter 1- Introduction and Welcome to Amateur Radio

Chapter 2- Radio Waves and Signals

March 14:

Chapter 2- Modulation and Bandwidth

Chapter 3- Electricity

March 21: VOM Operation, Battery, Diode and Resister

Chapter 3- Ohms Law. Power and the Metric System
Chapter 3- Electronic Components

March 28: HF and DX

Chapter 3- Types of Radio Circuits

Chapter 4- Propagation

April 5: No class

April 11: Antennas and Feed Lines

Chapter 4- Antennas and Feed Lines

Chapter 4- Practical Antenna Systems

April 18: Presentation of Radio Equipment, Digital Communications

Chapter 5- Basic Amateur Radio Equipment

Chapter 5- Power Sources and Interference

April 25: VHF, UHF, Repeaters, Cross Band

Chapter 6- Communication with Other Hams Parts I & II

May 2: QSL Cards

Chapter 7- License Regulations and License Privileges

Chapter 7 & 8- Call signs and Operating Regulations Part I

May 10: No class- Mother's Day

May 16: Station Grounding

Chapter 8- Call signs and Operating Regulations Part II

Chapter 9- Safety and Amateur Radio

May 30: License Exam

- Cost: Ages 21 and over- \$25, Under 21- \$10
- CARC members may audit at not charge if space available
- Ham Radio License Manual Level I Technician, 3rd edition required. Available through ARRL.org or from Joe Hobart W7LUX (928) 525-9222
- 10 Saturday mornings including testing
- Class time- 10:00AM to 12:00 Noon
- Lab time available to enhance your learning- 8:00AM – 9:50AM each class day
- Homework assignments- pre-read chapters for discussion
- **New Location:** North Country Health Care, 2920 N. Fourth St. in the Education building
- For additional information contact- Sandy Meadowcroft (928) 660-8323

First Meeting Begins at 9:45 AM.