



# High-Country Static

Welcome May Flowers

May 2014 News and Information  
Concerning Amateur Radio in Northern  
Arizona and Beyond

For comments, suggestions, questions concerning the CARC newsletter please click  
[cocoazham@yahoo.com](mailto:cocoazham@yahoo.com)

**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 **1650 S. Plaza Way**, 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.*

**New location for CARC meetings: 1650 S. Plaza Way. Pull in off S. Plaza Way and go to the far left behind the building on the left. (There are two buildings, both behind the vacant Sun West bank on Woodlands Blvd.)**

**Our meeting room is in the building on the left. Jason will have the door propped open. Big thanks to Bruce Sidlinger who is not only providing this room to CARC for free, but bought a table and some chairs for our use!**

## Officers:

President: Jason Bennett KG7CZS  
Vice-President: Sandy Meadowcroft KF4JHC  
Secretary: Erv Perelstein, KE7QFI  
Treasurer: Pat Traber, KE7QFG  
PIO: Phyllis Thompson

[cocoazham@yahoo.com](mailto:cocoazham@yahoo.com) KF4JHC

We will be needing a new PIO and vice-president come summer as Phyllis and Sandy will be vacating the offices. If you are interested please see Jason or Phyllis.

**May 8 next meeting** - Mindy Bell will give a short presentation (10-15 minutes) about STEM City. Bob Meadowcroft will demonstrate a hand crank generator and uses. If you have not paid your 2014 dues yet please do so at this meeting: \$25 for individuals and \$30 for a family.

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

Jason, Dan, Pat, and Erv.

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## Next licensing exams

**July 19** Williams Hamfest/AZ State Convention Licensing Exam

**Oct 18** License Exam

Congratulations to:

Jackie, WB7SMT, is now officially a general  
Scott, KF7PDZ, is also officially a general

and Seth is now KG7KQG

The FCC ULS site is:

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

And a big thanks to our VE team:

KC8TYE, Bob  
KE7QFI, Erv  
W7FYW, Dave

And to Dan, KC7PRC, is not a VE, he provides an outstanding location for the examinations and helps with important documents

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## Upcoming 2014 Events: Not all dates available yet

**April 25-26** (PFAC) exercise  
? Mormon Lake

**May 16 - 18** Overland Expo Mormon Lake

**Jun 7** Sacred Mountain Prayer Run  
Thorpe Park Picnic Ramada

**June 28-29** Field Day 2014

**Jul 20** Snow Bowl Hill Climb

**Jul 25-26** Possible AZ ScQRPions QRP Club  
Hamfest at Fort Tuthill

**August 2** Toys for Tots / Fat Tire Bicycle Ride

**August 5** National Night Out (Tuesday)

**Aug 9** Big Brothers / Big Sisters Run for the

Magic

**Sep 1 Williams 10k Labor Day Run**

**Sep 27, 28** Flagstaff to Grand Canyon Run  
100 Relay Run - 30 hour event

**Oct** TBD Northland Preparatory Academy  
solar observing

**Oct 3-5** Flagstaff Endurance Runs (Fri-Sun)

**Oct. 11 8:00 am** Soulstice Mountain Trail Run

**Nov 5** Possible Arizona State Exercise

**Dec 6** SkyWarn Recognition Day at NWS  
Belmont (UTC date)

**TBD** Christmas Party

**Field Day 2014 is June 28-29**

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## Past Events of 2013:

**Feb 6** Palo Verde plume exercise #1

**Feb 19** Coconino County Tabletop TICP

**Mar 6** Palo Verde plume exercise #2

**April 20 12:00?** Tour of NAU Solar Shack  
by Devon Dyreson

**April 27** Ponderosa Fire Advisory Council

(PFAC) exercise Ft Valley area

**Jun 1** Sacred Mountain Prayer Run

**May 17 - 19** Amateur Radio Demonstrations,  
Class, & Exams at Overland Expo (Mormon  
Lake)

**May 18 - 19** MS-150 Yavapai County ARES  
needs help

**Jun 22 - 23** Field Day (Setup 21 June)  
**Jul 21** Snow Bowl Hill Climb  
**Aug 3** Toys for Tots / Fat Tire Bicycle Ride  
**Aug 2-3** Arizona ScQRPions Hamfest at Ft Tuthill  
**Aug 6** National Night Out (Tuesday)  
**Aug 10** Big Brothers / Big Sisters Run for the Magic  
**Aug 17** Ponderosa Hustle – Good opportunity for new hams (2 hours near Arboretum & Naval Observatory)  
**Sep 2** Williams 10K Labor Day Run

**Sep 14** Flagstaff 50 Endurance Run (Ultra-Marathon) \*\*  
**Oct 12** Soulstice Mountain Trail Run  
**Oct 19** Boy Scout Jamboree- the Northern Arizona DX Association will be working with scouts that weekend.  
**Oct 19-20** Flagstaff 100 Relay Run - 30 hour event

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## MINUTES OF THE COCONINO AMATEUR RADIO CLUB MEETING

### Minutes of the Coconino Amateur Radio Club

4/10/2014

#### Meeting started at:

7:00 pm

#### Guest:

**Secretary's Report:** The March minutes were not read because they were published in the March Newsletter for all members to read. There were no changes recommended. Joe moved and Al seconded a motion to accept the March minutes as written. Passed unanimously.

**Treasures report:** The ending balance as of 4/8/2014 was \$2,977.37. Total paid membership for the new year is 41, with 38 paid members and 3 lifetime members. Erv moved and Scott seconded a motion to accept the Treasurer's Report. Unanimously accepted.

**President's report:** This was our first meeting in our new area, graciously provided by Bruce Sidlinger. We withdrew from the LEAF, relieving them of the necessity of asking us to leave. A letter of thanks is being prepared to send to the LEAF administration for the time we were allowed to use their facility.

A discussion was held with the DX Club concerning our discussion last month. The DX Club decided that they wanted to work with us on Field Day again this year and that they were willing to change the goal emphasis from "contacts" to "community outreach" and education. We will buy a new antenna, (probably a single frequency Yagi @ 20 meters) and install it on our mobile tower. Bruce suggested that we introduce the CARC and the public to the Robotics world. He suggested Mindy Bell, the STEM Consortium leader, as a good contact. It was also suggested to hold demos on digital communications, APRS packet, etc.

Scott moved that we form a committee to brainstorm this year's Field Day and try to get as many new, radio associated activities to demonstrate as possible. Erv seconded the motion, unanimously accepted. The committee meeting is set for 7:00 pm on 4/24/14 in our new meeting facility.

Joe Hobart gave the ARES report. He discussed the potential for a bad fire season this year unless we get more rain/snow. CERT has been training it's people on operating a call center if large scale evacuations become necessary. They are also learning about the evacuation of large animals. We should know about these procedures as well.

Joe reminded us that there will be a VE testing session on Sat, 4/12 at 9:00 at Bilby Research Center.

Radio support in Fredonia and Page was successfully tested this month by Emergency

Management and CARC (Joe went to Fredonia with Mark Christian) to test their new FT-450 D HF radio. There were operators in the valley, in Page and in Flagstaff listening for their signal. All links tested Loud and Clear. Joe is trying to put together classes in Page, at the end of May, to get several more operators licensed. Joe will take a VE team up to do the testing. We have 2 VE's who volunteered, we need at least 1 more.

Joe reminded us of the PFAC Wildland Fire Exercise on the 25-26 April. CARC will be playing a part in emergency communications. Joe will have more info as we approach the exercise.

We are continuing our Code Classes for the Scouts. The last class had no Boy Scouts attend but 3 Girl Scouts + 1 mother are still working on becoming proficient in CW.

Joe told us of a new threat to our computers: HEARTBLEED, which has successfully stealing information from our hard drives. Only some large companies and banks have been working to prevent this so it is recommended that people change their passwords on their more sensitive on-line accounts.

The number of check-ins for the ARES net has been decreasing recently. It is highly recommended that members should check out their equipment and net procedures by checking into the net on Wednesday evenings at 7:00 pm on the Mt. Elden 146.980 repeater, (with a 162.2 pl code and a minus offset).

Coconino Emergency Management has modified the "Ready Coconino" recall phone system. At is now called CODE RED. All the landline phones have been registered automatically but if members had not registered their cell phones for Ready Coconino, they need to register them with CODE RED. It is also recommended that all members get prepared for the Wildfire Season by assembling a Go Bag, keep HT radios fully charged and listen to the ARES net for call out information. Pat is trying to put together another order for CARC vests for those new members who need them. There is a minimum order of 24, the cost is \$11.00/vest. Anyone interested please get in touch with Pat. Sizes are M/L/XL.

Scott told us that the 2014 Overland Expo (May 16-18), at Mormon Lake, has agreed to provide us with a classroom for license testing this year instead of the tent we had last year. The wind thru the tent made it very difficult to hold on to the paperwork. If we elect to support this activity this year, the CARC display space will be free. Jason said he would bring is RV, Joe will bring his telescopes. Please think about supporting this activity.

Joe provided a review of the information in the Solar Activity Reports found on QRZ.com. He explained what some of the data was and how it could help us.

**Meeting adjourned** 8:15 pm. Scott moved, and Kay seconded a motion to adjourn. Unanimously approved.

**Drawing won by** Diane Martin - \$18.00

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**Presentation:** Bruce Sidlinger showed us a composite video he put together of the Northland Preparatory Academy Weather Balloon Launch, Flight and Retrieval. It was enjoyed by all.

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

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

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**Great Information:**

From The ARRL Letter for April 24, 2013

*Ham Radio in Space:* KickSat Deployed in Low-Earth Orbit



Launch of the SpaceX ISS re-supply mission vehicle carrying KickSat and other satellites into orbit.

Zac Manchester, KD2BHC, of the [KickSat](#) project, reports the satellite launched successfully April 18 at 1925 UTC and successfully attained low-Earth orbit.

"We at Cornell and several Amateur Radio operators around the world have made contact with the spacecraft, and it is alive and well," Manchester said.

The Cornell grad student has [announced](#) that he will offer prizes to the first several people who receive telemetry packets from KickSat as well as the first few who receive signals from the tiny Sprite satellites that KickSat will deploy in early May.

After a launch delay, KickSat went into space with the third SpaceX ISS resupply mission. Next month the 3U KickSat CubeSat will release more than 100 Sprite satellites -- each about the size of a small cracker -- into orbit. They will become the smallest Earth-orbiting satellites ever.

The KickSat beacon (437.505 MHz and 2401-2436.2 MHz) will transmit telemetry packets with information such as battery charge state, temperature, and Sprite deployment status. Packets will be transmitted every 30 seconds when the satellite is powered on, and every 250 seconds when it is in charging mode. All of the Sprites will be on the same frequency -- 437.240 MHz.

### **Fun info from Bob Wertz, NF7E**

What Ham call letters were used in the Mickey Rooney movie Men of BoysTown?

Answer : Andy used the call of W7BDF

He called his friend who call was W9YDK

The W7BDF is still being used by a YL-I don't think she was related to Andy?

What was the call sign of the Flagstaff Junior High school back in the 80's?

Answer WB7OWW

What CARC member was the ARCA rep in 1996 and went on to work "ALL" DXCC entities.

Answer= Tim Durkin WB6UAN/ later K6TIM

Reminder: The upcoming 7 Land QSO party is the first weekend in May (May 3+4). Starts Saturday 1300 UTC and runs through Sunday 0700 UTC.

If someone enters from Arizona they give a signal report and their county. In our case it will be CNO for Coconino county.