

Rainbow Canyons Amateur Radio Club

Cedar City, Utah

Feb 2017

Club Officers:

President:

KG7BPX
Linda Shokrian

Vice-President:

KR7KR
Ken Richter

Treasurer:

AL7BX
George Gallis

Secretary & Editor:

K6QOG
Bill Stenger

Local Repeats:

146.980 Mhz
Tone 100 hz

146.940 Mhz
Tone 100 hz

146.760 Mhz
Tone 123.0 hz

Remote Base
449.500 Mhz
Tone 100 hz

Remote Base
449.925 Mhz
Tone 100 hz

IRLP/Echolink
449.900 Mhz
Tone 100 hz

RCARC Websites:

<http://www.rcarc.info> and <http://www.rainbowcanyons.com>

Club meets on the second Tuesday of each month at Sheriffs Search & Rescue Bldg.

NOTE: April meeting will be held at the Senior Center 489 E 200 S

RCARC NETS:

Breakfast Net: 7:00am 146.76 Mhz, 123 hz PL tone required, every week

Friendship Net: 9:00pm 146.76 Mhz, 123.0 hz PL tone, every evening.

Club Monthly Breakfast is March 4th, 9 am at the Pastry Pub. Come in and place your order then come to the side room to be with other hams and your order will be brought to you. It is a most relaxing and friendly environment.

Next club meeting is Tuesday, March 14th at 7:30 pm

TOPIC:

Ken Munford N7M History of CW, Show and demo classic & new keys

Local Activities

by Linda Shokiran KG7PBX

2017 Participation Award

To encourage participation and remind us how much fun Ham Radio can be, RCARC is offering a Participation Award for 2017 of a Yaesu 857d All Band Radio to be drawn for at the December 2017 meeting. Tickets will be given for participating in various activities all year long in 2017. For ways to earn tickets, please read the meeting handout for more information.

2017 Technician Class

Our latest Technician Class started February 8th and is meeting each Wednesday evening until March 8th at the Heritage Center in Rooms 5 & 6. So far the Class is a huge success. Our attendance is varying between 36 and 44 students.

And Destry Balch K9BDL and his sidekicks up in



Minersville are putting on a technician class for the boy scouts and their dads. Dallan Goff KI7DYH said they had about 26 students attending their classes.

It is so exciting to see so many people interested in Ham Radio. What a wonderful way to start 2017. And all you VE's out there, please contact Russ Chaffee N7BO as we will be doing a lot of testing in March and need you.

Emergency Communications Group

EComm meets every other month in even months. We held our February meeting at the Visitor's Center last week Thursday, the 23rd. Status of the Intertie repeaters and the Ecomm trailer was discussed along with our role in the upcoming April 20th Great Utah Shakeout and SWUPH's quarterly Hospital Radio drill also being conducted on April 20th.

Next EComm meeting is scheduled for April 20th, 2017 at 6 pm at the Visitor's Center. Ecomm members mark your calendars - looks like April 20th is going to be a busy day.

CERT

CERT meeting was held January 23rd, 2017. The topic discussed was Firefighter Rehabilitation.

The next CERT Basic class is scheduled for April 28th & 29th and May 5th and 6th. See Linda KG7PBX if you want more information or wish to take the class.

Next CERT meeting is scheduled for March 16th, at 7 pm at the Visitor's Center. Topic to be discussed is Shelter Management.

LEPC

LEPC (Local Emergency Planning Committee) meeting held Wednesday, February 15th, 2017 at the Heritage Center. After a brief business update, we broke into our committee groups to discuss our various responsibilities in LEPC.

Everyone was reminded that the Rural Preparedness Summit, is coming up next week February 27th and 28th at the DSU Gardener Center in St. George. Registration has now been closed.

If you wish a copy of the monthly LEPC minutes, please contact Linda KG7PBX at Lgshokrian@gmail.com and she will send you one when it becomes available.

The next LEPC meeting is scheduled for Wednesday, March 15, 2017 at 12 noon at Cedar City Hospital, downstairs in the classroom. Be sure to go to the

cafeteria first, get your lunch, let them know you are with LEPC, then take your lunch to the classroom - there will be signs to direct you.

WEBSITE UPDATES

rcarc.info

By Terry Lee KD7TTT

I've made some changes on the website to make it more friendly to ipad and tablet users. And, it also will format for mobile phone browsers. It should automatically detect mobile users and adjust accordingly.

rainbowcanyons.com

By Don Blanchard WA7GTU

I have updated some of the pages on the website that some of the members might be interested in looking at (rainbowcanyons.com). In particular, I have added pictures on the Repeater Site Information and Photos page. I have added some pictures of the tower damage at the Bear Lake, Iron Mountain and Frisco Peak sites that most have not seen.

ARRL News

ROCKY MOUNTAIN DIVISION

Hello Fellow Rocky Mountain ARRL Members,

Welcome to 2017, a new year with many exciting things on the horizon!

First, from the bottom of my heart I thank you for electing me to serve you for the next three years on the Board of Directors. Your vote of confidence means a lot to me and it is an honor and privilege and it is my plan to serve you well. With Jeff, K0RM having my back as our Vice-Director, we make good team for our members...and that is how I think of this leadership team - working as a team for you.

The annual Board of Directors meeting took place a few weeks back and the minutes are now available on line at www.ARRL.org. The problem with the shortage of DXCC Card-Checkers in the Division is half solved. During the meeting, I made a motion to accept the recommendations of an ad hoc committee assembled to revamp the program. One of the recommendations was to double the number of Division level Card-Checkers. I am in the process of finding a suitable candidate on the west side of CO. After a new checker is in place there, I will study

the areas of the division that may be in need of more checkers. I am open to suggestions on this topic so if you are interested of know of someone who is, please do let me know.

The Division Convention is scheduled for Memorial Day weekend, 26 May through 28 May, in Cody, WY. There is a committee meeting this weekend, so stay tuned for more details which will be on the website: <http://wyominghamcon.org>.

Spring is near and Hamfest season has begun.

02/25/2017 New Mexico TechFest
Albuquerque, NM
Rocky Mountain Ham Radio, NM

02/25/2017 Utah VHF Society Swap meet
Farmington, UT
Utah VHF Society

For information about these and more upcoming hamfests, visit www.arrl.org/hamfests-and-conventions-calendar. As always, if you have concerns, please email:

Dwayne, WY7FD@arrl.org
or Jeff, K0RM@arrl.org

73 and thanks,
Dwayne, WY7FD
Jeff, K0RM

SB QST ARL ARLB005
ARLB005 New "Amateur Radio Parity Act" Bill
Introduced in US House of Representatives

H.R. 555 - a new "Amateur Radio Parity Act" bill - has been introduced in the U.S. House of Representatives. The bill's language is identical to that of the 2015 measure, H.R. 1301, which passed in the House late last summer but failed in the waning days of the US Senate to gain the necessary support. As with H.R. 1301, the new measure introduced on January 13 in the 115th Congress was sponsored by Rep. Adam Kinzinger (R-IL), with initial co-sponsorship by Rep. Joe Courtney (D-CT) and Rep. Greg Walden, W7EQI (R-OR). Walden now chairs the House Committee on Energy and Commerce, to which the new bill has been referred. H.R. 555

will get an initial airing in the Subcommittee on Communications and Technology. When H.R. 1301 came up in committee, Walden spoke forcefully in favor of the measure, which ultimately attracted 126 House cosponsors.

Information on H.R. 555 can be found on the web at, <https://www.congress.gov/bill/115th-congress/house-bill/555?r=27>.

H.R. 555 calls on the FCC to establish rules prohibiting the application of deed restrictions that preclude Amateur Radio communications on their face or as applied. Deed restrictions would have to impose the minimum practicable restriction on Amateur Radiocommunications to accomplish the lawful purposes of homeowners association seeking to enforce the restriction.

The ARRL Board of Directors is expected to discuss the pending legislation when it meets January 20-21.

What happened at the last Meeting?

RCARC Minutes for February 14, 2017

President Linda Shokrian KG7PBX opened the meeting at 7:30 pm.

Those present were:

KG7PBX	Linda Shokrian
KR7KR	Ken Richter
K6QOG	Bill Stenger
AL7BX	George Gallis
KA7HGX	Tony Bennett
WA7HHE	Brad Biedermann
KB7HHB	Marti Biedermann
WA7GTU	Don Blanchard
KB7UMU	Sylvia Clements
KI7DRE	Larry Coles
KG7VEJ	Jack Coulter
KG7NYJ	Devin Elliott
KE6ZIM	John Ellison
KD7SFS	Brad Gunderson
KC7IHE	Gavin Hollinger
KA7J	Lance Jackson
K7VXV	Brody Johnson
WB7FET	Helen Johnson
N7TCE	Merlin Mackay
K7ZI	Dick Parker

KG7WEN Monti Rugebregt
 KF7WIY Denice Sheffield
 KF7GPZ Fred Sheffield
 KG7YIA Boyd Woolsey
 KA7SEZ Alan Chidester
 W7AEA Ed Alpers
 N7LNG Rick Wittwer
 KG7LFU Jim Beal
 KG7YID Michelle Arnold
 Vistors and Guests:
 KD7TTT Terry Lee
 KC7RKU Leo Harrison

Linda welcomed everyone and explained the new sign-in process.

Linda introduced herself and explained what radio activities she is involved in. She then had each one in the room introduce themselves and talk about their radio activities.

After the introductions Bill Stenger K6QOG asked for corrections to the newsletter. None given. Don Blanchard WA7GTU motioned to accept the minutes, seconded by Sylvia Clements KB7UMU, vote was unanimous.

George Gallis AL7BX, Treasurer reported a balance of \$1,956.28 after a deposit \$155.00 from dues and two bills of \$202.53 paid. Ken Richter KR7KR motioned to accept the report, seconded by Gavin Hollinger KC7IHE. Vote was unanimous.

Linda mentioned the new Technician Class has over 45 people including several teens. Minersville is having a Boy Scout Technician Class with 26, 13 boys and 13 fathers.

The club will be meeting at the Senior Center (489 E 200 S) **BEGINNING April 11th.**

NEW BUSINESS

A proposal has been made that we meet at 7 PM instead of 7:30 PM. Russ Chaffee N7BO said he has no problem with testing at 5:30 PM. Brody Johnson K7VXV motioned to accept the proposal, seconded by Tony Bennett WA7HGX. Vote passed.

We now have Three Peaks for Field Day. The Boy Scouts decided they would move to Woods Ranch for their activities.

2 PRESENTATIONS

1. Don Blanchard WA7GTU gave a slide presentation of the Intertie. Several repeater sites have had excess snow and ice and suffered substantial

damage. Don's focus was on:

Iron Mountain

Frisco Peak

Bear Lake.



All three locations have towers that are down and linking is limited or non-existent.

2. Life's Journey with the Aurora: Mystery and Science by Andrew Christensen

Andy's presentation centered around the principles of physics:

- Electrical Discharge
- Magnetic Fields
- Plasma from the Sun

And how these elements interact and form the aurora and how they determine radio wave propagation. The following is a partial list of things that can happen in the ionosphere to affect Radio Propagation:

- Solar X-rays and Sun spots – follow 11 year solar cycle
- Geomagnetic Storms
- Lightning
- Aurora
- Meteors
- Scintillations- non steady ionization density
- Gradients in the plasma Density
- Non-uniform plasma distributions
- Polar Cap Absorption
- Sudden Ionospheric Disturbances (solar x-rays)
- Seismic Waves

Andy had many beautiful videos of the aurora, graphs and charts.

At the end of a period for questions and answers asked for a motion to adjourn. Sylvia Clements motioned and seconded by Monti Rugebregt.

Meeting adjourned at 9:09 PM followed with a birthday cake for Tony Bennett and Jim Beal.



Picture by Linda