

Rainbow Canyons Amateur Radio Club

Cedar City, Utah

Club Officers:

President:
KR7KR
Ken Richter

Vice-President:
KG7BPX
Linda Shokrian

Treasurer:
AL7BX
George Gallis

Secretary:
K6QOG
Bill Stenger

Local Repeats:
146.980 Mhz
No Tone

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

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

RCARC NETS:

Breakfast Net: 7:00am 146.98Mhz, no PL tone required, every weekday.

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

Club breakfast is April 2nd 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, April 12th, 7:30 pm

TOPIC:

GPS and Grid Square by Don Blanchard WA7GTU

Local News

Some 2016 Upcoming Events

Here are some upcoming events that may involve Ham Radio. Some are for fun and some may be for public service or our EComm Group.

- April 21st

Great Utah Shakeout Earthquake Drill

-April 30th

Citizen Corp Council Annual Conference

- May 13th to 15th

Rocky Mountain ARRL Ham Convention,
Keystone Colorado

- May 21st

Boy Scout Expo
RCARC Community Relations Table

- June 4th

Emergency Preparedness Expo - RCARC
& Ecomm Community Relations Table

- June 9th

Utah Summer Games Opening Ceremony

- June 25th

Fire Road Mountain Bike Race

- June 25th & 26th

Field Day

- July 4th

Enoch City Freedom Run

- July 8th & 9th

Great Salt Lake Hamfest

- August 1st

Tour of Utah Bike Race
(Don't know if Ham Radio will be involved)

- September 1st to 5th
Iron County Fair

- September 10th
Cedar City Half Marathon (Cedar Canyon)

March EComm Group And CERT Report by Linda Shokrian KG7PBX

The EComm Group and CERT did not hold a March meeting due to their involvement in the Southwest Utah Public Health Department's SPANDEX XL (a full scale Surge Pandemic Exercise) held on March 17th. The purpose of the exercise was for local first responders to receive training on how to deal with a large scale disease outbreak,

The EComm Group had a limited call out but because of mis-communication with the Health Dept, our radio operators were not really used. We did set up at the ECC and assigned operators to the health dept and hospital. Some digital messages were passed and we showed we were ready if we were ever needed in a real emergency.

A few CERT members volunteered as patients to help test the Health Dept and Hospital's emergency procedures.

Next EComm Group meeting will be Thursday, April 21st at 6 pm at the Visitor's Center with the CERT meeting following at 7 pm.

Local Emergency Planning Committee by Linda Shokrian KG7PBX

The March LEPC meeting was held on March 16th and was hosted by Jody Johnson and the Cedar City Hospital. The topic for the meeting was the Hospital's procedures, readiness and some drawbacks and the plan to overcome them, in case of an emergency.

Next LEPC meeting will be Wednesday April 20th at 12 noon at the Heritage Center. All are welcome to attend.



The National Parks on the Air is a year long ARRL sponsored event that encourages operating from as many of the 483 different various units administered by the Park Service.

Using LogBook of the World totals are kept for the number of different parks you operate from and a score is kept for the number of different you may work from your home station.

Over 6,500 station have reported working at least

one park, and 11 of these stations have worked 300 different park units.

On the weekend of Feb 20/21 worked 63 station from Kolob Cyn in Zion Park mostly on 17 meters.

Then on March 20 I parked on the Old Spanish National Historic Trail which runs through our Three Peaks Rec Area. Conditions were poor and I made only 17 contact including 2 on two meters simplex.

All this was done from my mobile, a FT857 with a screwdriver antenna.



ARRL NEWS

ARRL HF Band Planning Committee Seeks Suggestions on IARU Region 2 HF Band Plan

The ARRL Board of Directors' HF Band Planning Committee is inviting input from the US Amateur Radio community regarding possible changes to the International Amateur Radio Union (IARU) Region 2 Band Plan. That band plan and other significant Amateur Radio spectrum issues will be high on the agenda at this fall's IARU Region 2 General Assembly in Chile. Leading up to that gathering, the ARRL and other IARU member societies in the Americas will be seeking comments and suggestions regarding the Region 2 HF Band Plan. The HF Band Planning Committee will review the current plan, consider comments from the US Amateur Radio community, and recommend any changes to the ARRL Board for submission to IARU Region 2.

(For more information see ARRL Newsletter)

SBE Urges FCC to Improve Medium-Wave Noise Environment

The Society of Broadcast Engineers (SBE) has told the FCC that the regulatory agency needs to take another tack in its efforts to tackle AM broadcast band revitalization. If the



FCC takes the SBE's advice, the result could be less noise in the MF and HF Amateur Radio bands.

(For more information see ARRL Newsletter)

Puerto Rico ARES Volunteers Take Part in Caribe Wave 2016 Exercise

For the second year, Amateur Radio Emergency Service (ARES) volunteers in Puerto Rico took part in the annual Caribe Wave exercise (formerly known as the Large Atlantic Tsunami Exercise -- LANTEX), a tsunami communication drill undertaken on different dates on the US East Coast, in Canada, on the Gulf of Mexico, and in the Caribbean Basin. The object of Caribe Wave is to test the reliability of communication systems and protocols among tsunami



alert centers and to help emergency management agencies to improve their preparedness to execute a tsunami alert. In Puerto Rico and the US Virgin Islands, Caribe Wave takes place in conjunction with the Puerto Rico Seismic Network (Red Sísmica de Puerto Rico), FEMA, NOAA, and the Puerto Rico Emergency Management Agency (PREMA/AEMEAD).

Dayton Hamvention Awards Club of the Year

CONGRATULATIONS TO *Rocky Mountain Ham Radio, N0SZ*

Rocky Mountain Ham Radio is not your typical Amateur Radio club. The organization—based in the Denver, Colorado suburbs—offers its services to other Ham radio clubs and A.R.E.S. groups to help them be successful. Technical assistance, classroom training on a myriad of subjects, mentoring, equipment/system design and public service are among the services provided. The group owns and maintains fixed analog and digital/DMR repeater assets including one of the premier DMR private networks in the nation linked with an Amateur band microwave network that spans the Front Range of the Rocky Mountains from Cheyenne, Wyoming to Cañon City, Colorado with expansion in progress to Albuquerque, New Mexico. The group also owns and operates a deployable communications command post in a 26 foot trailer with capabilities that include satellite Internet, terrestrial 4G Internet, D*Star, IP telephone, DMR, HF, VHF, UHF and packet/PACTOR. Working hand-in-hand with partner

clubs and ARES groups, team members are proud to serve our communities. Rocky Mountain Ham Radio also maintains a VE team to support licensing and upgrades and we work jointly with our associated youth organization, the Cherry Creek Young Amateur Radio Club to ensure a steady stream of new Hams are ready to become the next generation of members. There are no dues; membership is granted by ongoing participation in our events throughout the year. Rocky Mountain Ham Radio is not in competition with anyone; it exists to serve everyone! Rocky Mountain Ham Radio

“These awards are the given to radio amateurs who have contributed much to the arts and science of our avocation. Please join me in congratulating all of the winners” said Frank Beafore, Chairperson of the awards committee. Additional details on the winners can be found on the Hamvention website.

Hamvention has been bestowing these awards since 1955. Recipients have covered all facets of ham radio including inventors, scientists, astronauts, public service, and contributors to mankind.

What Happened at the last meeting?

RCARC Minutes for March 8th, 2016

President Ken Richter KR7KR called the meeting to order at 7:33pm. He welcomed everyone and had each person introduce themselves.

Those present were:

| | |
|--------|------------------|
| KG6LFU | Jim Beal |
| KG7VEJ | Jack Coulter |
| KE6ZIM | John Ellison |
| KG7AHS | Travis Horton |
| KF7WIY | Denice Sheffield |
| KF7GPZ | Fred Sheffield |
| KG7YID | Michelle Arnold |
| KC7UT | Roger Simister |
| WA7GTU | Don Blanchard |
| KG7OOW | Bryan Lamoreax |
| KG7YIB | Carolyn Bauer |
| KG7YIC | Kenneth Bauer |
| KB7HHB | Mardi Biedermann |
| WA7HHE | Brad Biedermann |
| N7TCE | Merlin Mackay |
| AL7BX | George Gallis |
| N7SND | Larry Bell |
| K7ZI | Dick Parker |
| K7NJ | Riki Kline |
| KG7MAY | Larry Bilyeu |
| KG7PBX | Linda Shokrian |
| KR7KR | Ken Richter |
| K6QOG | Bill Stenger |
| KI7CLY | Bill Zadel |

Guest:
K7KPX John Howard

Treasury Report:
George Gallis AL7BX Treasurer reported February ending balance was \$988.02 and collected \$200.00 from dues to a total of \$1188.02. Don Blanchard WA7GTU motioned to accept the report, seconded by Jack Coulter KG7VEJ. Vote was unanimous.

Secretary Bill Stenger K6QOG asked for any corrections or additions to the minutes. None were given. Larry Bell N7SND motioned to accept the minutes, seconded by Don Blanchard WA7GTU. Vote was unanimous.

Don Blanchard WA7GTU announced:
-Salt Lake Ham Fest June 8 & 9. Forms are available for those interested.
-VHF Society Books are available.
-George, Jon Hunter and Don went to Iron Mountain and replaced the 146.98 repeater. Will place a 100hz PI tone in order to access the repeater. Please use the repeater as often as possible to see how it is going to work.

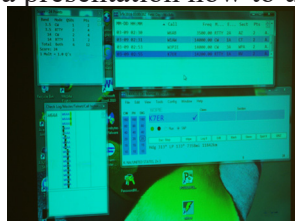
George Gallis reported on NPOTA (National Park On The Air): From Kolob Canyon worked 55 stations in 45 minutes on 17 meter.

Dick Parker KZI passed around to the group a coax and connector and asked if anyone could find the problem.

Bill Stenger K6QOG announced there are 12 issues of QST 2010 on the back table for anyone interested. They are free.

Linda Shokrian KG7PBX reminded everyone there will be a drawing for two books at the end of the meeting.

Riki Kline K7NJ and George Gallis AL7BX gave a presentation how to use the logging program called N1MM. This program automatically coordinates all the contacts made during a contest and send them to ARRL. The purpose is to use on field day with several stations operating at the same time. One computer would be the main computer and all contacts would be logged at that point.



Riki changed topics to Propagation, discussing skywave movement through the ionosphere's D E F layers and how they are affected by sunspots, daylight and night time.

For those who want to know what the future holds in store, he talked about at free software program called W6ELprop. It is easy to Google a free download.

Riki engaged questions and answers throughout the presentation.

Linda Shokrian KG7PBX had the drawing for the two books:

ARRL Operating Manual for Radio Amateurs
10th Edition won by Riki Kline K7NJ

Propagation and Radio Science by Eric Nichols
KL7AJ won by George Gallis AL7BX

Jack Coulter KG7VEJ called for a motion to adjourn and seconded by Bill Stenger K6QOG. Vote was unanimous.

Ken Richter KR7KR adjourned the meeting at 9:21pm

Respectfully Submitted by:

Bill Stenger K6QOG
Secretary

April's Free Drawing Books Are:

by
Linda Shokrian KG7PBX

Books for April's meeting to go along with Don Blanchard's WA7GTU talk:

GPS and Grid Squares Outdoor Navigation with GPS
by Stephen W. Hinch
and
ARRL Repeater Directory 2015-2016 Desktop Spiral
Edition