

# Rainbow Canyons Amateur Radio Club

Cedar City, Utah

## Club Officers:

### President:

KF7YWY

Cameron Abbaticchio

### Co-Vice Presidents:

K7ZI

Richard Parker

and

KF7WIY

Denice Sheffield

### Treasurer:

AL7BX

George Gallis

### Secretary:

K6QOG

Bill Stenger

### Historian:

KG7HTJ

David Williams

### Local Repeats:

146.980 Mhz

146.940 Mhz

Tone 100hz

146.760 Mhz

Tone 123.0Hz

Remote Base

449.500 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 146.98Mhz, every evening.

*Next club meeting is Tuesday, October 14th at 7:30 pm.*

## LOCAL COMMUNITY NEWS

### ***LEPC - Local Emergency Planning Committee Meeting Sept. 17, 2014*** *by Debra Frank KG7MAZ*

The focus of this meeting was a presentation on the new "Citizen Alert" system implemented recently by the Sheriff's Department replacing the previous Reverse 911. There is greater flexibility offered with this system allowing improved communications to notify citizens as well as county and city officials/departments regarding emergency and hazard information. To find out more, simply log on to [www.ironcounty.net](http://www.ironcounty.net) and click on the Reverse 911 Information tab, this leads you to the "Citizen Alert" page. You can click on Overview and FAQ's to get more information about the system. If you click on Sign up, you can see that you yourself have complete control for what you want to be notified for, how you want to be notified, you can edit your page anytime yourself, you can have multiple contact information, ie home phone, text, cell, email etc.

### ***CERT - Community Emergency Response Team Monthly meeting*** *by Debra Frank KG7MAZ*

Here are a few highlights from Sept 18, 2014 meeting:

1. Discussed the agenda item on the new Reverse 911 called the Citizen Alert implemented recently by the Iron County Sheriff to provide an improved emergency notification system, more flexible, more user friendly, where you have control to edit and modify your contact information and addresses anytime you want, etc. Please check this out and consider signing up, there is a field for volunteer skills in which CERT is listed in the first block.

Go to [www.ironcounty.net](http://www.ironcounty.net) click on Reverse 911 Information, review the FAQ's and Overview which explains the system, its privacy, and importance. I like that you can pick what kind of notifications you want, ie traffic closures, fire, police emergencies in your area, evacuations, water/power issues, etc.

2. Discussed and passed out handouts regarding the Southwest Utah Public Health Department Closed POD information (see attachments). As a Medical Reserve Corp volunteer, I was able to participate in a pandemic exercise with the Health Department working with this closed POD program, learning a lot and helping me understand how it works and why it would be good for us as a CERT group to sign up. More discussions will follow I am sure. It is something to consider seriously.

3. We were assured that a new Emergency Manager replacing Marie Brooks will be selected in the next couple of weeks and so we are hoping to announce and introduce him/her at our next CERT meeting.

Hope to see you all at a future meeting, October's monthly meeting is scheduled for Thursday October 16, 2014 at 7pm, I will email the location once it is confirmed.

Thank you so much for your interest in CERT and preparedness!!

Debra Frank

### From ARRL Newsletter

#### New \$21.40 Vanity Call Sign Fee

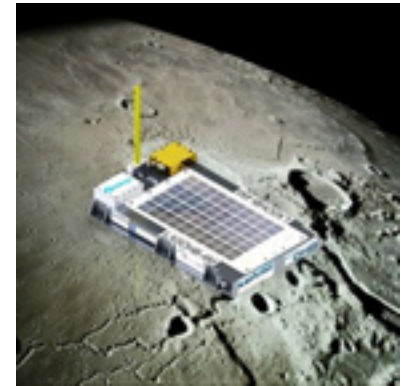
The new Amateur Service vanity call sign regulatory fee of \$21.40 became effective on September 11. The FCC released a Report and Order and Further Notice of Proposed Rulemaking (R&O) on August 29, in which it recalculated the fee to \$21.40 for the 10-year license term. The \$5.30 increase represents the largest vanity fee hike in many years. In the past, new vanity fees did not become effective until 30 days after their publication in The Federal Register, which occurred on September 11.

#### Moon-Bound Ham Radio Payload Will Transmit Earthly Messages from Space

The Amateur Radio payload on the lunar-orbiting 4M-LXS spacecraft is set to carry up to 2500 brief digital messages into space for retransmission via

JT65B mode on 145.990 MHz. China recently announced plans to launch the orbiter carrying the 14 kg battery-powered payload, developed by LUXspace in Luxembourg. The International Amateur Radio Union (IARU) is a partner in the experiment. Getting a message into space required registering and uploading one via the 4M website. A "73 de W1AW" message was among those uploaded before the message collection site closed on September 17. While the window was open, the site gathered messages of up to 13 characters -- the maximum for JT65 transmissions -- to transmit "from the moon," the 4M Manfred Memorial Moon Mission website said.

A model of the LUXspace 4M spacecraft superimposed above the lunar surface. [LUXspace image]



Signals from the Amateur Radio payload can be decoded using the free WSJT software by Joe Taylor, K1JT. The Manfred Memorial Moon Mission memorializes Manfred Fuchs, the late founder and chairman of LUXspace parent company OHB of Bremen. He died in April. The 4M mission is expected to launch sometime after 1800 UTC on October 23.

According to LUXspace, the 4M spacecraft will transmit continuously on 145.980 MHz ( $\pm 2.9$  kHz) at 1.5 W into a simple quarter-wave monopole antenna. "This will give S/N comparable to EME signals at Earth's surface," LUXspace said. "The transmission is based on a 1-minute sequence and a 5-minute cycle. The transmission will start 4670 seconds (77.8 minutes) after launch."

#### FCC Enforcement Bureau Warns Two Hams for Failure to Identify Properly

The FCC Enforcement Bureau has released Warning Notice letters it sent in July to two radio amateurs, advising them that it had monitored transmissions during which the licensees had failed to identify properly. The Bureau posted the correspondence earlier this month on its Amateur Radio Service Enforcement Actions web page. The two notices from FCC Enforcement Bureau Special Counsel Laura L. Smith, both dated July 21, contain essentially the



same wording.

In a Warning Notice to Gary E. Davis, W1IT, of Inman, South Carolina, Smith told Davis that he was monitored on July 15 and 16 at the FCC's High Frequency Direction Finding Center (HFDFC) in Maryland, failing to properly identify while operating on 7.185 MHz. "[Y]ou were heard by a Commission employee operating your Amateur Radio station for 20 minutes without identifying in a timely manner," Smith wrote. "The Commission employee used direction-finding equipment and confirmed the transmissions were coming from your location."

Smith pointed out that Section 97.119(a) of the Amateur Service Rules requires each amateur station to "transmit its assigned call sign on its transmitting channel at the end of each communication, and at least every 10 minutes during a communication."

In a nearly identically worded Warning Notice to John J. Krajewski, KB3MZQ, of Newark, Delaware, Smith said the HFDFC also had monitored transmissions by him on July 15 and 16, also on 7.185 MHz, during which he failed to identify properly.

Smith said the FCC had "recorded the offending transmissions" in both instances and offered to make copies available to Davis and Krajewski. She further advised Davis and Krajewski that recurring "operation of this type" after receipt of the warning letters, could subject them to "severe penalties, including license revocation, monetary forfeiture (fines), or a modification proceeding to restrict the frequencies upon which you may operate."

## What Happened at the last Meeting?

President Cameron Abbaticchio KF7YWY called the meeting to order at 7:30pm.

The present were:

N6OJS	Fred Getman
WA7DUW	Ninfa Rankin
K7BTE	Bill Rankin
KG7MBA	Neal Forbes
WA7HHE	Brad Biedermann
KB7HHB	Mardi Biedermann
KG7NYJ	Devin Elliott
KG7MAZ	Debra Frank
KE6ZIM	Johnny Ellison
N7SIY	Joel Clements
KB7UMU	Sylvia Clements
WD0CDG	Larry Heddings
N7TCE	Merlin Mackay
KC6VAG	Bob Olla

AC7MO	Jeffery Zwang
K7ZI	Richard Parker
AL7BX	George Gallis
N7BKA	Ken Richter
WA7GTU	Don Blanchard
K6QOG	Bill Stenger
KF7YWY	Cameron Abbaticchio

Cameron Abbaticchio indicated that Merlin Mackay N7TCE won the fox hunt trophy.

There was no minutes for last month because there was no meeting.

George Gallis AL7BX, Treasurer, reported the previous balance was \$1092.42. There were two deposits of \$15.00 each and one paid bill for \$69.06. The current balance is 1053.36.

Don Blanchard WA7GTU called for a motion to approved the report and Dick Parker K7ZI 2nd the motion. The vote was unanimous.

Cameron mentioned the club breakfast took a lot of time for everyone to get there order. The restaurant was packed and suggested that when you come in place your order then and not wait for everyone to arrive.

Sylvia Clements resigned her position of Restaurant Arranger. After five and a half years she needs a break. She feels she can't please everyone. If anyone is interested in this duty please notify Cameron.

Cameron Abbaticchio mentioned there is a need for a Net Control Station Friendship Net on Wednesdays and Thursdays.

Bill Stenger mention St. George needs radio operators for the St. George Marathon on October 4th.

Larry Heddings said the Equestrian Event has been canceled due to horse virus.

Don Blanchard gave a repeater update:

All repeaters in our local area are operational. St. George repeater is operational but not connected to the intertie

New repeater for Richfield 146.84 PL tone 100  
New repeater for Logan will be on later this year

Repeater on Navajo Mtn frequency was changed from 448.500 Mhz to 448.600 Mhz

George Gallis pointed to numerous books on the back table. They are available to borrow, just let George know who and what book.



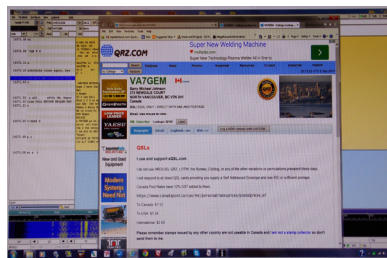
Cameron Abbaticchio announced that Devin Elliott passed his Technician Class test this evening before the meeting.

Cameron Abbaticchio introduced the presentation by mentioning this meeting and next meeting will deal with General Class license opportunities, such as QSL and EQSL cards. Cameron showed several cards he has received. QSL are sent generally by mail. Joel Clements suggested that you do not write any call signs on envelopes sent to foreign countries. Mailing qsl cards to a foreign country involves getting international postage and some hams may want you to enclose a self-addressed envelope. Some may even ask that you enclose "green stamps" which means dollar bills. EQSL are done on the internet website called eqsl.com. Sylvia Clements mentioned that some hams do not want electronic cards, but real ones. So check on the internet before sending one.

Cameron also mentioned that HF nets are similar to our VHF net. There are many different nets. If you google net you will find many different nets, emergency net, antique radio nets, agricultural nets. His favorite net is the Santa Claus net.

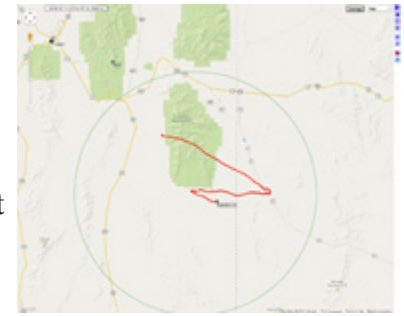
Dick Parker gave a presentation on "Work the Magic". This means that you don't have to depend on a repeater and or the internet. You talk direct and can talk to people all around the world. Dick talked about the various activities but for Dick the challenge of taking the tests to upgrade was exciting. Learning CW in those days was exciting for him also. Dick showed a miniature 4 band radio that Bill Rankin had purchased for little. There are many magazines QST, CQ, 73 and others that open your knowledge to the world. There are so many things to learn on HF and when in doubt ask an HFer, e.g. Q signals, 5 9 9 signal report, "up five", pile up and much more. This is where the fun and excitement is, "Work the Magic".

Bill Stenger gave a power point presentation on PSK31 using the FLDIGI program. He called PSK31 the lazy man's mode. He talked about the advantages and disadvantages of different modes. He explained the various components of FLDIGI. He pointed how easy to get info from qrz. In the receive panel, click on a call sign and it automatically goes into the call box. When the call is entered just click the qrz icon and info appears. The picture shows info for VE7GEM. Bill explained that you don't need to be a good typer. There are "macros" which you enter as prepared responses so you don't have to keep typing. One good thing about digital is that many programs



are free to download. Dick Parker mentioned that these programs will copy even with lots of noise and Don Blanchard mentioned it eliminates language barrier.

George Gallis projected this APRS map and explained that a hot air balloon with APRS radio on it was launched near the Great Basin National Park. After launch the balloon headed East and when it reached 20,000 feet the balloon turned West. It reached 32,000 feet at its highest point. It descended back down to 21,000 feet and turned East again. The balloon began descending and went off the screen at 6,000 feet. The balloon not only indicated altitude but also speed. The max speed was 40 mph. George said many of these balloons carry cameras and other equipment. George could not find any information about this launch from friends or the internet. APRS is fascinating.



Questions were fielded from the floor. One question was what are the remaining topics for the remaining two meetings. Brad Biedermann suggested that we get Gavin Hollinger KC7IHC to talk about internet hacking, as an example Home Depot. There was a discussion about security measures on ham radio.

Debra Frank recommended that everyone attend the Flu Shootout at the hospital on Saturday September 27th. She urged getting the flu shot because the viruses are becoming so problematic, that the flu sheet can help.

A motion was made to make the meeting informal, another words, to adjourn and those that want to say can and those who want to leave may. The meeting at adjourned at 8:45 pm and some people stayed to continue the conversation.

Respectfully submitted

Bill Stenger K6QOG  
Secretary