



Club Officers:

President:

KG7PBX
Linda Shokrian

Vice-President:

KR7KR
Ken Richter

Treasurer:

AL7BX
George Gallis

**Secretary &
Editor:**

K6QOG
Bill Stenger

Local Repeaters:

146.980 Mhz
Tone 100 hz

146.940 Mhz
Tone 100 hz

146.760 Mhz
Tone 123 hz

448.800 Mhz
Tone 100 hz

Remote Bases:

449.500 Mhz
Tone 100 hz

449.925 Mhz
Tone 100 hz

IRLP/Echolink

449.900 Mhz
Tone 100 hz

RCARC Websites:

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

RCARC NETS:

Breakfast Net: 7:00am 146.760 Mhz 123 hz PL tone, Mon. - Sat.

Friendship Net: 9:00pm 146.760 Mhz 123 hz PL tone, every evening.

Club Monthly Breakfast is December 2nd, 9am 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.

Club meets on the second Tuesday of each month at the Senior Center

Next club meeting is December 12th at 6pm

TOPIC:

Officer elections & Christmas Party & Yaesu 857 give away

Upcoming events by Linda Shokrian KG7PBX

Pot Luck Christmas Party

December 12th meeting at the Senior Center is our annual Pot Luck Xmas Party starting at 6 pm

The Yaesu 857d drawing will be held and given away at the December meeting. You do not need to be present to win.

2017 Technician Class

Our Technician Class is over We tested 13 students and 9 passed including John Higley the Iron County Emergency Manager. Congratulations to all and a very special thank you to all you wonderful teachers.

Emergency Communications Group

There is no EComm meeting in November (we meet every other month in even months) Next EComm gathering will be held December 21st, and will be a combination ECOMM/CERT 2017 appreciation dinner. Time and location TBA

LEPC

There is no LEPC meeting in November or December. The next LEPC meeting will be

January 17th, 2018 at 11 am at the Heritage Center.

CERT Meeting Update by Denice Sheffield KF7WIY

Cert met November 16th, 2017 at the Iron County Visitor's Center. Terry Meissner gave a presentation about Personal protective equipment and Bloodborne pathogens, gave out some personal protective equipment, fact sheets and demonstrated how to dawn the personal protective equipment including removing and disposing of soiled gloves and gowns. John Higley the Iron County Emergency Management Coordinator announced the Cert Appreciation Dinner for Cert Members and a Guest to be held Thursday, December 21st, 2017 at the Festival Hall located at 105 N. 100 E. Room 7. Dinner will be at 5:00pm. This invitation is also extended to those that serve on the Ecomm Group. Reservations Stephanie: sorton@ironcounty.net or 435-267-1734 before December 13th, 2017 at 5:00pm if you plan to attend. Please let Stephanie know if you are bringing a guest. Please note: there are no animals allowed in the dining area. The Dinner will be in lieu of the next Cert meeting.

ARRL NEWSLETTER

After Black Friday and Cyber Monday, Give Back on #GivingTuesday, November 28

ARRL is encouraging its members to give something back on #GivingTuesday, November 28, either by donating to a favorite charity, by volunteering your time -- or both. ARRL is among the IRS 501(c)(3) organizations registered as a nonprofit beneficiary.



“Ma
by ARRL
community would not be possible without the generosity of hams,” said ARRL CEO Tom Gallagher, NY2RF. “Giving Tuesday encourages individuals to take a moment to remember organizations that have meaning in their lives and to give back. I hope all of our members will take a moment to visit the ARRL website and donate online, or write a check. Gifts to

any of our funds are much appreciated and help ARRL continue its work on behalf of its members and the entire Amateur Radio Community.”

For more information see: The ARRL Letter for November 16, 2017

RadFxCat (Fox-1B) Launch Reset for November 18; More Foxes on the Way

The twice-delayed launch of the United Launch Alliance (ULA) Delta II rocket that will transport the RadFxCat (Fox-1B) CubeSat carrying an AMSAT Amateur Radio payload and other payloads into orbit now is set for Saturday, November 18, at 0947 UTC. The Joint Polar Satellite System-1 (JPSS-1) mission launch from Vandenberg Air Force Base, California, had to be postponed on November 14, “due to a range safety hold and high upper-level winds,” ULA said in a tweet. The launch was put off on November 6 due to a faulty battery on the booster. AMSAT will blog on the launch in real time on launch day, and NASA-TV will cover the event.

AMSAT will have more information on the launch and the satellite's early operations, and it will post the first telemetry reception. More launch updates are available from ULA via Facebook, Twitter, or Instagram, hashtags #DeltaII and #JPSS1.

For more information see: The ARRL Letter for November 16, 2017

SKYWARN Recognition Day is Saturday, December 2

A heads up: SKYWARN™ Recognition Day (SRD) will take place this year on Saturday, December 2 from 0000 until 2400 UTC (starts on the evening of Friday, December 1, in US time zones).

During the SKYWARN special event, ham radio operators will set up stations at National Weather Service (NWS) offices and contact other radio amateurs around the world. Participating Amateur Radio stations will exchange a brief description of their current weather with as many NWS-based stations as possible on 80, 40, 20, 15, 10, 6, and 2 meters plus 70 centimeters. Contacts via repeaters are permitted.

For more information see: The ARRL Letter for November 16, 2017

Regulation Abroad: “Yellow Cards” in The Netherlands; Dropping the “N” in Iceland

Netherlands telecommunications regulator Agentschap Telecom reports that radio amateurs who fail to use their call signs correctly have been fined or issued formal warnings -- called "yellow cards" in the Netherlands. The regulator announced on November 9 that it had imposed an administrative fine on a radio amateur who did not use his call sign or did not identify at required intervals. Despite warnings, the behavior did not change, the regulator said, resulting in a fine.

The agency also distributed several yellow cards for failure to identify and for "improper use" of Amateur Radio call signs when making contacts on frequencies not authorized to the operator.

Novice Call Sign "Stigma" May End in Iceland

Iceland's Ministry of Transport and Local Government has invited comments on draft changes to the Radio Regulations in that country. IARU member society Icelandic Radio Amateurs (IRA) had proposed ending the practice of issuing distinctive "N" call signs for Novice-class radio amateurs. The IRA also has proposed ending the requirement that Amateur Radio call signs reflect the geographic call district of the station, something still in place in Canada and other countries.

For more information see: The ARRL Letter for November 16, 2017.

Announcing: The ARRL International Grid Chase

A new and exciting operating event will kick off on January 1, 2018, at 0000 UTC (New Year's Eve in US time zones), when the ARRL International Grid Chase gets under way. The year-long event hopes to build on the success of the highly successful 2016 National Parks on the Air (NPOTA). The objective is to work stations on any band (except 60 meters) in as many different Maidenhead grid squares as possible, and then upload your log data to ARRL's Logbook of The World (LoTW). Registration in LoTW is free, and it costs nothing to participate

Many hams are familiar with grid squares from the VHF/UHF and satellite realms, and everyone lives in one. ARRL's VUCC is based on grid squares, and some contests on



HF, VHF, and UHF also use them as a scoring factor.

The Maidenhead grid square system divides up the entire globe into 324 fields, each containing 100 grid squares 1° latitude \times 2° longitude in size. With 32,400 potential grid squares, it's not likely that anyone will run out of challenges, even though some grid squares are surrounded entirely by water or are in areas that are uninhabited or difficult to access.

If you don't know your grid square, David Levine, K2DSL, has an online calculator. Just enter a postal address, ZIP code, or even a call sign, and his site will tell you the grid square for that location. For example, enter "W1AW" and the site will return "FN31pr." For the purposes of the ARRL International Grid Chase, though, just the two initial letters and the two numbers that follow (e.g., FN31) are all you'll need to know.



Once you get active in the chase and start uploading your log data, each new grid square contact confirmed through LoTW will count toward your monthly total. Getting started is simple. Turn on the radio and just call CQ or "CQ Grid Chase" or listen for others doing the same. Make a contact, exchange grid squares, log it, and move on to another. At the end of each month, your totals on the Grid Chase leader board will reset to zero, although the system retains these to determine top finishers in various categories at the end of the year.

A map segment showing part of the EN field of grid squares. Note that some grid squares are very nearly surrounded by water. [Photo courtesy of Icom America]

Any contact you make in 2018 can count toward your Chase score; it doesn't have to involve an exchange of grid squares. As long as the other operators also participate in LoTW, you'll get credit automatically when they upload their logs. This means that contest contacts also count, as will contacts with special event stations or other on-air activity that uses LoTW to confirm contacts.

Some radio amateurs live in sparsely populated grid squares, and if you're one of those, you could find yourself handling a pileup! Expeditions to hard-to-reach or rare grid squares undoubtedly will evolve. You

also can travel to one of those grid squares yourself. Some vehicle or handheld GPS units can be set to display when you are in a particular grid square. Apps are available for smartphones or tablets, such as Ham Square for iOS devices or HamGPS for Android devices.

There are no restrictions on modes or bands, as long as they are legal. Satellite contacts are valid for the Chase. The event is open to all radio amateurs.

Full details of the ARRL International Grid Chase will appear in the December 2017 issue of QST. The digital edition is available on Friday, November 10.

For more information see, The ARRL Letter for November 9, 2017

What happened at the last meeting November 14th

President Linda Shokrian KG7PBX called the meeting to order at 7:03pm. She commenced introductions and what ham radio activities during the past month.

Those present:

KG7PBX	Linda Shokrian
KR7KR	Ken Richter
K6QOG	Bill Stenger
AL7BX	George Gallis
KI7LUI	Tom Adams
KG7YID	Michelle Arnold
KG7YIB	Carolyn Bauer
KG6LFU	Jim Beal
N7SND	Larry Bell
KA7HGX	Tony Bennett
WA7HHE	Brad Biedermann
KB7HHB	Mardi Biedermann
KI7LUM	Bruce Bishop
WA7GTU	Don Blanchard
KI7LUR	Dan Carlson
KB7UMU	Sylvia Clements
KI7DRE	Larry Coles
KG7VEJ	Jack Coulter
KE6ZIM	John Ellison
N6OJS	Fred Gettmen
KD6SFS	Brad Gunderson
KI7LUU	Collette Gunderson
KA7J	Lance Jackson
K7VXV	Brody Johnson
K7NJ	Riki Kline
KD7TTT	Terry Lee
N7TCE	Merlin Mackay
KI7DRB	Bruce McDonald
NL7EL	Blaine Nay
KI7LVC	Tim Nesmith
KK7ZL	Ed Padgett
K7ZI	Dick Parker
KG7HZZ	Kevin Raines
KF7WIY	Denice Sheffield
KF7GPZ	Fred Sheffield
K7HDX	Ron Shelley

KC7UT	Roger Simister
KA7SWA	Kevin Truman
Visitors & Friends:	
KB7QXB	Shirleen Chaffee
N7BO	Russ Chaffee
Isaiah Arnold	
Ben Joslin	
Sherry Bishop	
Scott Atkin	
Preston Atkin	
Nick Atken	
Cody Roberts	

Secretary Bill Stenge K6QOG called for any corrections to the October minutes. None give. Don Blanchard WA7GTU called for a motion to accept the minutes seconded by Larry Bell N7SND. Vote unanimous.

Treasurer George Gallis ALL7BX reported a balance of \$,2063.57 after a payment of \$82.34 for paint for the repeater building at Blowhard Mountain. Bruce McDonald KI7DRB motioned to accept the report and seconded by Ed Padgett KK7ZL. Vote unanimous.

Repeater Status

Don Blanchard WA7GTU reported the only known repeater not working is Mt. Potosi repeater (Las Vegas).

Don mentioned it is important to be careful about signal and audio reports. Most problems are not always operator's radio, it can be the repeaters and or link system.

Don also mentioned that new 2 meter antenna replaced the old antenna on Frisco Peak last Saturday. George Gallis AL7BX had some slides showing the workers installing the antenna along with picture of various other repeater sites that the Utah VHF Society provides for.

Announcements

Linda Shokrian KG7PBX announced a Pot Luck Christmas Party at the December 12th meeting. Please sign up so we have a head count because Ken Richter KR7KR will be fixing a delicious ham. Time for the meeting was decided by a vote to be 6pm at the Senior Center.

Don't forget that the Yaesu 857 radio will be given away at the December meeting. Last chance to earn participation tickets - win a ribbon for November Friendship Net check-in's and attend the December meeting.

Old Business:

Denice Sheffield KF7WIY congratulated and thanked all those who worked hard to organize the Halloween Party. Thanks to all those who attended because it was a great success.

New Business:

Linda Shokrian KG7PBX said that 12 people participated in the Technician Class and last week was the test. Final results with 1 extra person:

13 tested, 9 passed.

Winners of the Friendship Net Check-in - Award Ribbons:

1st Place:

KA7HGX Tony
KB7UMU Sylvia
KI7LVC Tim

2nd Place:

KG6LFU Jim
KI7LUM Bruce

3rd Place:

KA7J Lance
KA7SWA Kevin
KI7LVB Tammy

Don Blanchard WA7GTU showed a video of singing people hanging on various top levels of a 100ft tower.

Nominations for 2018 Board Officers:

President: Brad Gunderson KD6SFS
Vice President: Monti Rugebregt KG7WEN
Secretary: Tammy Nesmith KI7LVB
Treasurer: Larry Bell N7SND

Nominations will be open until Thanksgiving. Riki Kline K7NJ recommended a brief resume of nominees to be emailed to all.

PRESENTATION: Unusual Antennas by:

Ken Richter KR7KR, George Gallis AL7BX,
Lance Jackson KA7J, Dick Parker K7ZI,
Ed Padgett KK7ZL



Above: Ken's 6 element circular 2 meter yagi.



Left Side: Ken's aluminum can 2 meter antenna held together by string and gravity.

Below: how Ken fed the can antenna with coax.



Ken's Umbrella Antenna with the center of coax clipped to a stringer and the ground attached to the metal hand shaft.



George is holding a multi band antenna using the 9:1 balun and a tuner for an endfed antenna that is coiled in a small circular container.



George's 2 meter horizontal polarized omnidirectional flat Halo antenna made by Dave clingerman in Denver.



George's Crutch and Tomato Cage 2 meter antenna. The Crutch and Tomato Cage are loaded separately

Dick Parker K7ZI held up a Slinky and described how he keeps to the size he wants and how it functions. Dick also had a 2 meter ground plane made of a SO 239 connector with a radiator and 4 ground planes.



Linda's Hentenna 2 m horizontal antenna



Lance explaining how his Slot Antenna works and materials he used to make it.

Ed Padgett KK7ZL described a Flag Pole antenna he installed at his home where there are CC&Rs. He explained how he ran coax to the base and the tuner he attached.

After questions and answers Linda called for a motion to close the meeting. Denice Sheffield KF7WIY motioned to close 2nd by Tony Bennett KA7HGX. Linda adjourned the meeting at 8:35pm.

Respectfully Submitted by:
Bill Stenger K6QOG Secretary