

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



Club Websites: www.rcarc.info OR www.rainbowcanyons.com Number 4 – Vol. 12 – December, 2022

Club Meeting Information

The RCARC meets at 7:00 p.m. on the 2nd Tuesday of each month at the Cedar City Senior Center, 489 E. 200 South. Down Stairs.

2022 Club Officer's

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Dennis L. West
W6DLW

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CQ, CQ, - Merry Christmas

And Happy New Year



Presidents Message

Greetings Everyone,

Hope you had a great November and a wonderful Thanksgiving! With the colder temperatures it sure feels like Winter outside! Even with the cold we still have had many great opportunities to get on the air! The Iron Mission Days was a great activity and those who participated had a great time! Thank you, Dick (K7ZI), for organizing this with the Frontier Homestead State Park! We also had a fun Fox Hunt at the start of the month and congratulations to team Maddie (KK7FLL) for taking the trophy this year!

December 3rd will be our next club breakfast. This time it will be held as a potluck at Linda's (KG7PBX) house so I hope you can make it.

Our Christmas party will be held at 6:00 PM on our next scheduled meeting day, December 13th and we will be giving away a range of Ham Radio prizes! Should be fun! We will also have our officer elections (current nominations are for the existing leadership team). The dinner will be a potluck so please bring a dish to share!

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RCARC Club Nets:

7:00 a.m. Breakfast Net - Monday – Saturday – 146.760.
12:30 p.m. Daily – Utah Beehive Net On 7.272.
8:30 p.m. Tuesday's - ORCA Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.
8:00 p.m. Wednesday – Panguitch Net – 147.160.
7: pm. Thursday– Morse Code Net- This is a Zoom Meeting.
8:30 p.m. Thursday's - WDN Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.
8: p.m. Saturdays – SSTV – 449.925.
9:00 p.m. Daily – Friendship Net – 146.760.
11: a.m. Saturdays (Mtn. Time) QCWA – 160 Net, Utah Chapter,
12: p.m. Freq. 7.272.
7:30 pm. Sunday's – New Harmony Valley Net – Bumblebee Repeater. – 146.680 with a minus offset – PL 100.

Local Repeaters:

Iron Mountain

146.760 MHz – Tone 123.0 Hz
146.980 MHz – Tone 100.0 Hz
448.800 MHz – Tone 100.0 Hz
449.500 MHz – Tone 100.0 Hz
448.400 MHz – Tone 100.0/FM & DMR

Intermountain Intertie:

146.940 MHz – Tone 100.0 Frisco.
146.800 MHz – Tone 100.0 Blow Hard
147.200 MHz + Tone 100.0 Tod's/Hatch
146.820 MHz – Tone 100.0 Utah Hill

Bumblebee/New Harmony:

146.680 MHz – Tone 100.0 Hz

Rowberry:

449.925 MHz – Tone 100.0 VHF Remote

Dutton:

147.160 MHz + Tone 100.0 Hz.

Save The Date

December 13, 2022

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Club Christmas
Party. 6 pm.**

January 10, 2023

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Program to be
determined.**

February 14, 2023

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Program to be
determined.**

March 14, 2023

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Program to be
determined.**

President's Message

Continued from page 1.

Winter Field Day is just around the corner and will be held on January 28-29, 2023. We will be using the N7U callsign and we will be setting up at the Iron County EOC located on Kittyhawk just like last year. For those who are interested in participating please let me know! Be prepared for cold weather!

As always, I would like to thank everyone who makes our meetings great by participating and asking questions. I would also like to thank all of our net controls for the nets and everyone who participates! I hope everyone has an opportunity to get out and play on the radio! We have our local nets as well as opportunities to participate on HF contests so get out there, have fun, and play on your radio.

Stay safe and healthy this Holiday Season!

Cheers!

Fred (K17TPD)

**RCARC Club
Dues are Due.
See Page 19**



RCARC Monthly Breakfast

Please come join us on the first Saturday of each month at 9:00 am. for our club breakfast. We meet at the Golden Corral Buffet & Grill (in the back room), 1379 S. Main Street, Cedar City. Their menu offers an unmatched variety of quality foods from breakfast to dinner. See you there.



**Happy Birthday and
Anniversary to those
celebrating in December**



**Merry Christmas and
Happy New Year**



Breakfast & Friendship Net Awards November 2022

Breakfast Net		Friendship Net		
First Place	Third Place	First Place	W6DLW - Dennis	
K7ZI, Dick	KI7TPD - Fred	KA7J Lance	Second Place	
KE7ZIM - Johnny	KI7WEX - Bonnie	K7NKH - Lee	KILUM - Bruce	
N7SIY - Sylvia	N7SND - Larry	N7TCE - Merlin	KI7WEX - Bonnie	
KG7PBX - Linda		K7WEP - Paul	KI7TPD - Fred	
Second Place		K7HDX - Ron	Third Place	
KC6WFI - Tony		N7WWB - Darlene	KK7CEE - Bruce	
		KJ7LTQ - Brant	N7SND - Larry	
		KK7FLL - Maddie		
		N7SYI - Sylvia		

Rainbow Canyons Amateur Radio Club Treasurer Report as of Nov 8, 2022

Bank balance (reconciled) Sept 30, 2022	\$1,769.69
Checks/expenses	
Image Pro - Certificates Iron Mission Days	- 64.25
Ron Shelley - Amazon Evolve laptops	- 403.52
Rocky Mountain Power	<u>- 20.82</u>
Funds in bank as of 11/8/2022 (non-reconciled)	\$1,281.10
Rocky mountain Power due 11/15/2022	<u>- 19.12</u>
Funds available after Nov 15, 2022	\$ 1,261.98

Submitted by
Linda Shokrian KG7PBX
2022 RCARC Treasurer
435-867-5914

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RCARC Book Giveaway.
Books are donated by
Linda Shokrian
(KG7PBX)

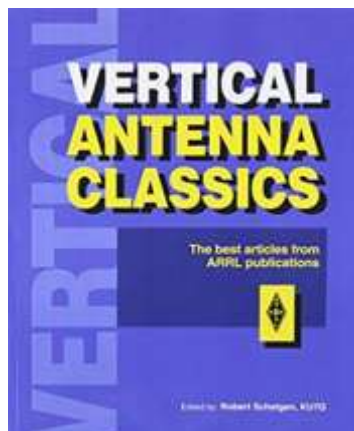
Shown below is the book that will be given away at the December 8, 2022 meeting.

Sorry no book giveaway this month



RCARC Book Giveaway Winner.

The winner of the November 8, 2022 book giveaway (pictured below is Kevin Kilcoyne K2MFK)



Congratulations Kevin
See Pic page 16

Contact Us.

Mailing Address:

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Cedar City, Utah 84721

Club E-mail:

cedarcity.rcarc@gmail.com

Newsletter E-mail:

rcarcnewsletter@gmail.com

Website

www.rcarc.info

www.rainbowcanyons.com

Face Book Page:

<https://www.facebook.com/groups/440325486875752/>

To Join RCARC or Pay Dues:

Go to www.rcarc.info select "Club Info" and then "Join " RCARC. Follow the instructions on the template.

Make check payable to RCARC.
Please write call sign on check.

Thank You



Cedar City Visitors Center
Ann (KJ7OGZ) sister has a booth at this Craft Fair.



Buzz's December Safety Tip(s)



The stockings are hung by the chimney with care...and the Christmas tree is safely placed three feet away from the fireplace. OK, that might not be how the old Christmas poem goes. But it's a good tip to keep in mind! Read on for more Christmas safety tips to keep your loved ones safe this holiday season.

1. Replace Old Lights and Use Them Correctly.

The lights bring holiday cheer for sure, but they can be a safety hazard. Use indoor lights indoors and outdoor lights outdoors, and always turn them off when leaving the house or going to bed. Be sure to replace light sets that have broken sockets or frayed wires.

2. Be Mindful of Poisonous Plants.

Eating mistletoe is actually toxic. Keep it away from pets, along with other potentially poisonous plants like holly berries, Jerusalem cherry and amaryllis. [Don't miss our checklist to help "pet proof" your house for the holidays.](#)

3. Practice Car Safety When Traveling.

It's always important to drive safely, but the Christmas travel season can be especially dangerous. Have your car serviced before leaving on a road trip, carry an emergency kit and give yourself extra time to avoid rushing.

Remember to decrease your speed if you're driving in snow or ice, and wait for snowplows and sanding trucks to clear the roadways before starting your journey.

4. Watch Out for Online Shopping Fraud.

Unfortunately, the holiday shopping season is fraught with fraud. While you shop, carefully check that the website address is spelled correctly—fraudulent websites with similar spelling can trick you into giving away your credit card information. When checking out, be sure the payment page address begins with "https" (the "s" stands for "secure"). And as always, never click a link from an unsolicited email.

5. Don't Make the Tree a Fire Hazard.

To avoid the same fate as Clark Griswold's tree in *National Lampoon's Christmas Vacation*, be aware of fire safety. Have the tree vendor cut off about 2" of the trunk to expose fresh wood for better water absorption, and make sure there's always water in the tree stand. Keep your tree at least three feet away from radiators or fireplaces. And if you buy an artificial tree, check that it's labeled "fire resistant."

[Find more helpful hints for taking care of a real Christmas tree.](#)

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Australian Radio Amateurs May Move to a Class Licensing Structure

Australia's radiocommunications regulator, the [Australian Communications and Media Authority](https://www.acma.gov.au/) (ACMA), is proposing to move the country's radio amateurs to a class license, which is intended to simplify administration of the Amateur Radio Service.

Currently, Australia's radio amateurs are regulated under an apparatus license, with privileges and conditions set out in a Radiocommunications License Conditions Determination. Australian hams pay an annual license fee of A\$55.00 (US\$35.68), but under the proposed class license, annual license renewal payments would end.

The ACMA reports that the current consultation follows extensive public feedback on the [review of the non-assigned licensing arrangements](#) conducted between February and April 2021. The review's principal objective was to identify the most appropriate licensing mechanism that would reduce regulatory burden and minimize costs for amateur radio operators, while preserving the operational utility for amateurs.

The ACMA says they will carefully consider responses received to the current consultation. As stated in the consultation paper, subject to the outcomes of the current consultation and the implementation of supporting operational and administrative arrangements, the ACMA intends to implement the proposed class-licensing arrangements on July 1, 2023.

The Wireless Institute of Australia @ <https://www.wia.org.au/>

(WIA) is the national member organization representing the interests of Australian radio amateurs and is a member of the International Amateur Radio Union (IARU). The WIA has a well-credentialed working group developing their response to the ACMA's proposals. The ACMA's deadline for receiving responses is November 29, 2022.

The WIA's working group intends to open a survey in early November to gauge the views of the Australian radio amateur community.

"As this is going to be a quantum step in the evolution of amateur licensing in Australia, such as we have not seen previously, the details need close and careful consideration," said working group leader Peter Young, VK3MV. Peter has been licensed since 1964 and has a background in maritime communications engineering. He is a former Regional Manager with the ACMA and, since retiring, held positions with the WIA as a Director on the WIA Board, and Director with IARU Region 3. End.



Continued next column



RADIO NEWS

H. GERNSBACK—Editor and Publisher
ROBERT E. LACAULT—Associate Editor

EDITORIAL AND GENERAL OFFICES, 52 PARK PLACE, NEW YORK

Vol. 4

DECEMBER, 1922

No. 6

Popularizing Radio A Double Barreled Scheme

THE question has been asked, time and again, during the past few months, "What is the matter with Radio?" After an unprecedented boom in radio during the latter part of the winter and the early spring, things slumped alarmingly, for no apparent reason. Had the public suddenly become tired of radio, or had all the radio apparatus been sold that one could hope for in the United States? The answer is lengthy:

Fundamentally there is nothing wrong with Radio, but so far Radio has struck only the big centers. Only in the immediate vicinity, within five or ten miles of a broadcasting station has Radio shown any marked success. Seemingly, up to the present point of writing, which is the middle of October, the point of saturation has been reached as far as these centers are concerned.

We are now confronted with the mathematical problem which simply amounts to this: How many people within a 10 or 25-mile radius of a large broadcasting station can afford to buy a radio outfit? As soon as the distance from the broadcasting station is increased over 25 miles, the chances of having many receiving outfits becomes smaller and smaller. The reason is obvious: Within a radius of 25 miles a crystal set will do nicely. These crystal sets can be bought at very reasonable figures. Only the man with money to spend can afford to get a vacuum tube outfit, and while, of course, vacuum tube outfits are superior to the crystal outfits, they cost a great deal more and are more complicated. The problem then becomes one of dollars and cents. The farmer 50 or 100 miles away from a broadcasting station is not apt to spend \$100 to \$200 on a vacuum tube outfit unless he is an amateur himself, or is a very up-to-date man. He would not mind trying a crystal outfit, but he knows that he can not use it at that distance.

So we have the condition today that over one-half of the population of the United States is being deprived of radio entertainment for the reason that the farming and agricultural districts as a rule are out of range and are not in a position to invest, for many reasons, in expensive vacuum tube outfits. This is not a mere guess, but the Editor has talked with many farmers and small business people in outlying districts who positively refused to spend more than \$25 on radio at the present time. To be sure, things may change in the future as the agricultural and farming districts become more educated, but just now they are "sitting tight."

How, then, can this condition be changed? The writer suggests the following plan, which throws an entirely new light upon the broadcasting situation, the scheme, to the best of the writer's knowledge, never having been tried before.

Suppose an up-to-date amateur, or business man for that matter, was told that with practically no outlay, he could make several thousand dollars a year out of radio broadcasting. Would he not jump at the chance? This is exactly what this scheme means. It is nothing less than *broadcasting broadcasting*.

We know that most of the large broadcasting stations at the present time are receiving Arlington Time Signals on a special aerial on a wave-length of about 2,650 meters; a special receiving set is maintained for these time signals. At noon and at 10 p.m. these time signals are re-transmitted on a wave-length of either 360 or 400 meters. The telephone of the receiving outfit is simply held against the microphone of the sending outfit at the broadcasting station and the signals are thus re-transmitted.

Why not do the same thing with broadcasting programs? Suppose we have a small town of 3,000 inhabitants 100 miles away from the nearest broadcasting station. No one in that town, unless he has a good vacuum tube outfit can possibly listen in to any entertainment, and if you canvass such a town you will find that there are not six such outfits in the whole community. Now, then, suppose some wide-awake amateur should equip himself with a

first-class vacuum tube receiving set. This set should be an efficient loop set, preferably. Then he would also install a low-power radio telephone sending outfit. This outfit would not have to be rated higher than 10 watts. Such an outfit would cost less than \$200 to assemble, including the receiver. Once the modulation problem was solved, and Radio News has printed and will continue to print articles on this subject, it would be a very simple matter for the amateur to re-transmit from a wave-length of 360 to 400 meters and re-broadcast the broadcast on a 200-meter wave-length. He would have little trouble securing the necessary license from the nearest Customs House for this purpose.

Now for the best feature of the scheme: With a good 10-watt transmitter it should be possible to reach everybody within a radius of 10 miles, sufficient, in other words, to reach everybody in town. Of course there would be needed a good transmitting aerial, but this is a matter in which we need not instruct any first-class amateurs.

The minute his station is completed, the amateur would take a simple crystal outfit, of which many can be had today for \$15, complete with aerial, and visit some of his friends. He would put up a temporary aerial and let his friends and acquaintances listen in to his evening programs.

No! He would not sell, or try to sell the crystal set to them—and here is suggested a new idea: **HE WOULD RENT IT!** You do not buy your telephone today, but you pay so much per month to the Telephone Company. Exactly so in radio. A simple contract blank could be made out whereby the subscriber agrees that upon the installation of the outfit he will pay at the rate of \$2 per month.

Now, the wholesale price of a good crystal outfit, complete with phones, aerial, etc., can be had for from \$10 up. Furthermore, it would not be necessary for the amateur to lay out a single dollar, for if he should be able to secure anywhere from 50 to 100 subscriptions, he could take these contracts to his bank and if the young man is at all in good standing in the community, he will have no trouble whatsoever in securing a loan from the bank with which to purchase the outfits, the bank holding the contracts as security for the loan.

Now let us see how it works out in dollars and cents:

100 Crystal Outfits, at \$10 each.....	\$1,000.00
Radiophone Transmitter.....	75.00

Total Costs **\$1,075.00**

INCOME

100 Subscribers at \$2 per month for 12 months..	\$2,400.00
Deducting the original cost.....	1,075.00

Net profit **\$1,325.00**

And all this requires no investment! This is for only 100 subscribers. In a town of 4,000 it would be less than 3 per cent. It should be possible to get at least 10 per cent in any community, providing good results can be shown, in which case the profit will be over \$3,000 net per year, a thing not to be sneezed at these days.

At one bound, therefore, we can put the entire country in touch with the broadcasting stations where only 40 or 50 per cent are in touch now.

There is no reason at all why this scheme can not be put into use immediately, and the writer will be glad to assist the first few pioneers who try, in every way possible. The idea is sound economically as well as technically, and there is no reason why it should not be possible to put it into use immediately.

The Technical Department of Radio News stands ready to give all technical assistance and advice to those who wish to try the idea on either a small or large scale.

H. GERNSBACK.

Iron Mission Days

RCARC and Frontier Homestead State Park & Museum joined forces to celebrate "Iron Mission Days" on November 11 & 12, 2022.

COMMEMORATING the **171st anniversary of the first Iron Works in the Rocky Mountains.**

Sixteen RCARC operators staffed the Special Event Station (N7U) set up in a 150-Year-old plus school house and worked both 20- & 40-meter voice over the two-day period making over 500 contacts. In addition, Parks on The Air (POTA) was activated and the park number was provided for those contacts that wished to have it. Contacts were also provided with the RCARC website information to access directions on how to receive a contact certificate.

A special thanks to Dick Parker (K7ZI) who made two-day event possible and Russ Chaffee (N7BO) for making sure the contact requests were fulfilled.

Frontier Homestead State Park & Museum, provided hands-on activities designed to honor the spirit of our community and those that created opportunities for our city's growth.

See Pic's below:



Terry West, Bonnie Bain (K17WEX) and Fred Govedich (K17TPD) staffing the club table in the museum.



Dennis West (W6DLW) and George Gallis (AL7BX) working 20 Meters. George is logging the contacts.



Linda Shokrian (KG7PBX) and Dick Parker (K7ZI) working 40 Meters.



Sylvia Clements (N7SIY) and Ann Mac Donald (KJ7OGZ) working the 20 Meter station.

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RCARC EComm Planning Committee Meets

The RACRC EComm Planning Committee met (Via a Zoom Meeting) on November 3, 2022 to further review and finalize the EComm Board Organizational Charter.

Further discussion and clarification was requested by Brad Biedermann (WA7HHE) on the definition of By-monthly meetings. Ron Shelley (K7HDX) stated that the EComm Board would meet every other month. However, additional meetings may be scheduled as needed.

Further discussion included providing some type of training at each meeting to keep members up-to-date on EComm participation requirements. This training will be scheduled by the incoming 2023 Board.

After completing the review of the document Brad Shelley (K7HDX) made a motion to accept this draft as the new RCARC EComm Board Organization Charter. The motion was seconded by Brad Biedermann (WA7HHE). Ron asked if there was any further discussion needed before we vote. There was none.

Ron Shelley then called for the vote and meeting attendees voted yes.

The RACARC EComm Board Organization Charter was adopted on November 3, 2022.

Please see Charter in full on page 10.



Shakeout 2022: Radio Operators Send Winlink DYFI Reports to USGS

On October 20, 2022, hundreds of radio operators from around the world sent [Winlink](#) "Did You Feel It?" DYFI exercise reports to the US Geological Survey (USGS) during [Shakeout](#). In real events, DYFI messages help the USGS determine the intensity of an earthquake. "ARES radio operators are uniquely positioned to respond after a disaster and to provide USGS with DYFI-based shaking intensity reports since they can contribute without the need for power or internet," said Dr. David Wald of USGS.

But the Winlink DYFI form also offers an "Exercise" option, which is a unique feature that allows volunteer radio groups to practice sending DYFI reports to USGS on a regular basis. For Shakeout 2022, USGS mapped 771 Winlink DYFI exercise reports. Of those, 65% were sent via RF and 35% via Telnet (internet).

USGS also tested a volunteer radio centered live scenario with great success. The database mapped Winlink DYFI reports live to a [USGS Shakeout 2022](#) scenario website. The Winlink DYFI reports had to match pre-set filters to be added. The scenario map focused on Southern California, due to the high Winlink DYFI participation from San Diego, Los Angeles, and Ventura Counties located near the [San Andreas Fault System](#).

Ventura County ARES/ACS provided a service that sent a "message received" reply to all stations who carbon-copied dyfi@vccomm.org as part of the exercise.

Groups from San Diego to Bellingham in Washington state conducted local Shakeout exercises that tied in with international Shakeout.

Many radio groups also tested their response capabilities during Shakeout.

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Rainbow Canyons Amateur Radio Club Emergency Communications Group Organizational Charter

Purpose

The Rainbow Canyons Amateur Radio Club Emergency Communications Group (group) is organized to provide emergency radio communication on behalf of Iron County Emergency Management, other served agencies, and the community in the event of natural and man-made disasters or incidents. The group's mission is to be well trained and equipped to handle any assigned task.

Membership

Qualifications for membership in the group are that members:

1. Hold a current amateur radio license.
2. Have the necessary equipment
3. Have sufficient skills and knowledge to perform emergency communications.
4. Have a desire to be an asset to the community through amateur radio.
5. Meet any standard required by the served agencies.

Leadership

The leader of the group shall be called the Emergency Coordinator (EC) who is appointed by the president of the Rainbow Canyons Amateur Radio Club for an annual term. The EC will report to the vice-president of the Club. The EC will be part of the executive board (board) of the group and chair the board. The board will consist of a minimum of 5 group members selected by the group membership for an annual term. The membership will nominate board members in November with election in December. The annual term will run from January to December. The board will select one member of the board to serve as a scribe for the annual term.

The duties of the EC are to chair the membership meetings and board meetings, be a liaison between the Club, the Iron County Emergency manager and the various served agencies. The EC will implement the policies and the decisions of the board.

The duties of the board are to set policy for the group, to plan the membership meetings, nets, and exercises by the majority vote of the board. The board should meet at least bimonthly.

The duties of the scribe are to record minutes of the membership meetings and the board meetings along with maintaining a record of the qualifications, training, skills, and equipment of each of the members of the group.

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Rainbow Canyons Amateur Radio Club Emergency Communications Group Organizational Charter

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Meetings, Nets, and Exercises

The purpose of the meetings is to train the membership to work as a team and prepare members with the minimum skills and knowledge to handle any assigned task. The minimum skills and knowledge standard will be set by the board. Meetings will be held at least bimonthly (subject to change by the board) to conduct any business of the group and to provide training to the group. A monthly Net or Exercise will be held to practice the skills and knowledge with the members. All members are encouraged to gain advanced training in the art and science of amateur radio.

Adopted 3 November 2022

/s/ Ronald Shelley K7HDX
/s/ Fredric R. Govedich KI7TPD
/s/ Bonnie A. Bain KI7WEX
/s/ Linda Shokrian KG7PBX
/s/ Darlene Shelley N7WWB
/s/ Dennis L. West W6DLW
/s/ Brad Biedermann WA7HHE
/s/ Larry Bell N7SND

At the November 2022 RCARC General Membership Meeting the following Members were nominated for the 2023 Club Board Officers:

Position	Name	Call Sign
President	Fred Govedich	KI7TPD
Vice President	Ron Shelley	K7HDX
Secretary	Bonnie Bain	KI7WEZ
Treasurer	Linda Shokrian	KG7PBX
Newsletter Editor/Historian	Dennis L. West	W6DLW

Nominations for RCARC Board positions will remain open until December 13, 2022 at which time elections will be held. If you or someone you know would like to be nominated, please let one of the current Board members know.

Iron County Office of Emergency Management (OEM) E-Comm. Unit participates in Southwest Utah Healthcare Coalition Quarterly Exercise.

The Southwest Utah Healthcare Coalition Exercise is a communications exercise for Emergency Support Function 8, Public Health & Medical Services, and the Southwest Utah Healthcare Coalition. The purpose of this drill is to practice and validate emergency communication capabilities among healthcare facilities, emergency management, and other key partners in the Southwest Region of Utah.

On Tuesday November 8, 2022 E-Comm. members staffed the Radio Communication Room at Cedar City Hospital to assist in the exercise.

Pictured below is Jack Colter (KG7VEJ) who is monitoring the Digital Communications portion of the exercise. Brad Biedermann (WA7HHE) who was also monitoring the digital portion of the exercise and Dennis West (W6DLW) who was monitoring the VHF Radio Communications.



Iron Mission Days

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Brody (K7VXV) and Dave (N7LWE) working 20 Meters



Ted Cowan (NA7C) ARRL Utah Section, affiliated club coordinator and assistant section manager.



Event is over the tower is down. Freed (KI7TPD) and Brody (K7VXV) continue the securing of the antenna trailer. Was a snowy and cold afternoon.

Utah VHF Society

Dues are Due

If you wish to renew or join follow the below described methods or go to:

http://utahvhfs.org/uvhfs_join_renew.html

and follow the instruction there.

If you wish to mail a check, dues may be sent to:

Utah VHF Society
P.O. Box 482
Bountiful, UT 84011-0482

The PayPal account address for the Utah VHF Society is:

paypal@utahvhfs.org

- **IMPORTANT:** Please note that the above email address is pronounced "Pay Pal at Utah Vee Aiche Eff Ess dot Org"
- **PLEASE** check the spelling of the email address to which you are sending your payment and make sure that it is correct and has the word "UTAH" in it - and then check again before you send your payment!

Please note that this is not a link, but the address to which you should send your payment after you log into PayPal. At the moment, we don't have a "shopping cart" set up for PayPal - sorry.

If you have a PayPal account, follow these easy steps:

Log into your PayPal account

1. Click on the "**Send Money**" tab
2. Where it says "**To**", enter the Utah VHF Society's PayPal address: paypal@utahvhfs.org

Under "**Amount**" enter the number based on the number of years' membership you wish. *Please enter the amount for at least two years to help minimize the amount of PayPal fees.*

3. Select "**Purchase**" and select either "**Goods**" or "**Services**". *Please do not select anything under the "Personal" tab.*
4. Hit the "**Continue**" button. This will take you to a new screen.
5. Select your method of payment and hit the "**Send Money**" button
6. **Thank you for your support!**

If you *don't* have PayPal, don't worry - you can still pay by check/mail to the address above, or in person at the next swap meet.

When you pay via PayPal, please include the following:

- Under "**Subject**" please put "Utah VHF Society Dues for <your name>" - remembering to put your name in there.
- Under "**Message**" please include:
 - **Your name, address and phone number.** Also note if you do **NOT** want your name, address and/or phone number to appear in the Utah VHF Society booklet.
 - **Your callsign** - if you have one.
 - Whether or not you would like to be included on the net roster. If you don't say "yes" we'll assume that you don't check in on that net regularly.
 - Indicate whether or not you are a member of ARRL.

The Utah VHF Society is a non-profit (IRS501c3) organization founded in 1968 to promote the installation and use of VHF amateur repeaters throughout Utah. The Society also provides financial support for aligned repeaters and serves as frequency coordinator for the state. End.



Continued on next column

Shakeout 2022: Radio Operators Send Winlink DYFI Reports to USGS

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For example, [ARES LAX Northeast](#) tested Winlink gateway HF forwarding capabilities, sending reports via VHF to KN6BKT-10 and forwarding them out-of-area via HF gateway.

Others, like the [Kentucky Winlink Net](#), relied on direct HF connections to send DYFI reports. Of special note: Kentucky Winlink Net operators pivoted to sending DYFI reports via gateways with very little notice, demonstrating the value of regular training and participation in nets.

The [EmComm Training Group](#) organized a Winlink DYFI exercise around Shakeout encouraging members of all skill levels to participate, as did many other participating groups.

Internationally, Philippine Amateur Radio Data Network radio operators sent in DYFI reports through their growing [Winlink gateway network](#). Moreover, radio operators from Austria, Germany, the UK, Panama, and Australia sent in reports to USGS.

Among the lessons learned during the Shakeout 2022 Winlink DYFI were that more training with geocoordinates (latitude and longitude in degree decimals) is needed. Quite a number of North American stations used a positive longitude (E) rather than a negative longitude (W) on their DYFI reports, which located their reports in China or Kazakhstan.

Also, coordinating one Exercise ID ("ShakeOut2022") across all groups for national and international exercises will reduce workload for USGS. Overall USGS personnel were pleased with the wide national and international participation in the Winlink DYFI exercises for Shakeout 2022. The next International Shakeout is on [October 19, 2023](#). -- Oliver Dully, K6OLI, Forms Manager, Winlink Development Team. End.

Special Event for USAF 75th Birthday

Rick Rogers, K7RCR

On September 17, members of the Green Valley Amateur Radio Club (GVARC) in Arizona activated a special event station to celebrate the 75th birthday of the US Air Force (USAF). The event was held at the Titan Missile National Historic Landmark operated by the Arizona Aerospace Foundation as the Titan Missile Museum in Sahuarita.



The Titan Missile Museum's discone antenna. [Rick Rogers, K7RCR, photo]

The Collins discone antenna, which was used by Titan missile launch crews when the site was on alert, was used by the club to make 152 contacts in 24 states. The antenna would have been used to send and receive messages from the national military command authorities during alerts and was just one of several communications systems on the site.

The antenna is still functioning, with virtually no maintenance performed since 1982, when the site went off alert. A cable runs from the base of the antenna to the parking lot, allowing amateur radio operators use of the antenna while the museum is open. The cable was installed by GVARC with the cooperation of the museum. END.

November RCARC General Meeting Pictures



Members arriving & socializing before meeting.



Linda (KG7PBX) presenting the treasurers report



Pledge of Allegiance



George (AL7BX) presenting the repeater report



Fred (KI7TPD) conducting club business



Dick (K7ZI) presenting an update on the upcoming Iron Mission Days Event

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November RCARC General Meeting Pictures

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Austin Smith (L) and Mike Gayle (R) from Southwest Utah Public Health Department (SWUPHD) introducing "Stop the Bleed" program.



Darlene (N7WWB) and Ron (K7HDX) work on using a tourniquet.



Austin demonstrating the proper use of the tourniquet

RCARC MONTHLY Breakfast Change for December

Normally the 1st Saturday of each month we meet for breakfast at the Golden Corral Restaurant. In December that would-be the 3rd.

However, this December 3rd we will not be meeting at the Golden Corral as we will be meeting for breakfast at Linda Shokrian's (KG7PBX) Residence.

This is a potluck breakfast so if you plan to attend, please bring a breakfast dish to share with other attendees.

See info below:

Date: Saturday December 3, 2022

Time: 9:00 AM.

Linda Shokrian's Residence at

Location: 3438 W. Carmel Drive. Cedar City.

The winner of the November 8, 2022 book giveaway is Kevin Kilcoyne (K2MFK)
Pictured below:



Christmas Safety Tips

Continued from page 5

6. Properly Secure the Tree.

No one wants Santa to get squished by a fallen Christmas tree. Make sure your tree is properly secured with a strong stand that doesn't lean. If you have a fresh tree, don't whittle or taper the trunk to fit your stand; this makes the tree less stable.

7. Don't Burn Wrapping Paper in the Fireplace.

Sure, a crackling fire in the fireplace is a must-have for cozy holiday events. Just avoid any fire accidents by practicing proper fireplace safety. Don't burn trees, wreaths or wrapping paper; and always use a fireplace screen.

8. Keep the Raw Turkey Away from the Salad.

One thing is for sure, nothing will ruin your Christmas dinner faster than guests coming down with food poisoning. Handle food safely with these simple reminders: keep raw meat away from fresh produce, wash your hands frequently, use a meat thermometer and use separate cutting boards for cooked and uncooked meats. [See the food safety mistakes we're all making.](#)

9. Be Careful with Candles.

The top three days for home fires started by candles are Christmas Day, New Year's Eve and New Year's Day. To avoid a disaster, keep candles at least a foot away from anything flammable. Make sure candles are in stable holders that can't be easily knocked down, and never leave burning candles unattended.

Continued next column

10. Hang Breakable Ornaments Up High.

Those [colorful and shiny vintage ornaments](#) are just too tempting for little ones! Instead, hang breakable ornaments at top of the tree. That way, kids can get in on the decorating fun without the worry of broken glass. End.

November General meeting Program "Stop the Bleed"

Stop the Bleed is a program where you become trained equipped and empowered to help in a bleeding emergency before professional help arrives.

Instructor: Austin Smith and Mike Gayle from the Southwest Utah Public Health Department (SWUPHD) Cedar City Office were on hand at our last meeting to present the class.

The instructors shared information on how to identify and recognize life-threatening bleeding.

- **The steps to stop bleeding**
 - Pressure
 - Packing
 - Tourniquets
- **Person Safety**
 - Your safety is the first priority
 - Help others when it is safe to so
 - If it is unsafe stop and move to safety. If you can take victim with you.
 - Wear gloves
 - If you get blood on you clean as soon as you can
 - Let the health care provider know and follow their instructions
- **A, B, C of Bleeding**
 - A. Alert 9-1-1
 - B. Bleeding
 - C. Compress
- **A.** Know your location, follow instructions provided by operator
- **B.** Look for bleeding source as there may be multiple places. Clothing may hide bleeding.

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November General meeting Program "Stop the Bleed"

Continued from page 17

Austin and Mike then lead the meeting attendees through a series of hands-on training in how to perform the different types and ways to stop bleeding from simple pressure to tourniquets.

If you or someone you know would like to take this "Stop the Bleed" Course contact either Austin or Mike at Southwest Utah Public Health Department (SWUPHD) in Cedar City.



RCARC Fox Hunt Winners

On Saturday November 5, 2022, just after the club's monthly breakfast a few members met at the Cedar City, Senior Center to participate in a Fox Hunt.

Club president, Fred (KI7TPD) and Bonnie (KI7WEX) had placed two transmitters in West Canyon Park just behind the Senior Center for the participants to locate.

After receiving a quick briefing from Fred members Brant (KJ7LTQ) his daughter Maddie (KK7FLL), Larry (N7SND) and Dennis (W6DLW) with his wife Terry fanned out into the park to find the transmitters.

Maddie & Brant found transmitter #1. first with Dennis, Terry and Larry right behind.

Transmitter #2 again was located by Maddie and Brant first with Larry, Dennis and Terry on their heels.

Transmitter #3 was hidden somewhere in the city. After a lot of direction finding, walking and then changing locations Maddie and Brant located the transmitter behind the Cedar City Visitors Center on North Main Street.

At the November 8, 2022 RCARC Club meeting awards were given to the participants.

Transmitter #1 (146.565)

1st. Brant & Maddie

2nd. Dennis & Terry

3rd. Larry

Continued next column

Transmitter #2. (146.590)

1st. Maddie & Brant

2nd. Larry

3rd. Dennis & Terry

Transmitter #3 (146.580)

Grand Prize winner

Maddie & Brant

See Pictures below:



Maddie (KK7FLL) right and her sister Gabi holding the transmitter.



Fred (KI7TPD) presenting Maddie (KK7FLL) the Grand Prize Trophy for finding the hidden transmitter first.

Congratulations Maddie



Reminder RCARC Dues are coming Due

Hello everyone, Buzz here with a reminder that the club dues are coming due at the end of this month

For information in regards to RCARC dues contact Linda Shokrian (KG7PBX) at (435-867-5914 or fill out and submit the dues form.

RCARC CLUB DUES ARE NOW DUE

Rainbow Canyons Amateur Radio Club (RCARC)

Please fill out the below form with the applicable information. Check the individual or family membership. If family members are hams, please add their name and call signs in the space provided.

Name		
Call Sign		
Address		
City, Street and Zip Code.		
Phone		
E-mail		
Dues	\$ 15.00 Individual \$ 20.00 Family	
Family	Name: Name: Name: Name:	Call Sign: Call Sign: Call Sign: Call Sign:

Please submit payment to:

Linda Shokrian (KG7PBX) at 2438 W. Carmel Canyon Drive. Cedar City, Utah 84720.

Please write your call sign on your check. Make check payable to RCARC.

**Merry
Christmas**



Hello everyone, Buzz here with a reminder that RCARC members will be voting for the coming year's 2023 club officers at the December 13, 2022 meeting.

I'm encouraging each and every one of you to attend and be part of the election process.

See the position nominees running for office on page 11. Please attend this month's meeting and vote for the person of your choice.



CQ, CQ, CQ has anyone seen Rudolph

RCARC Annual Christmas Meeting Potluck and Prize Drawing.

Save the date

December 13, 2022 at 6:00 pm.

Our next RCARC General Membership Meeting is scheduled for Tuesday December 13th and this will also be our annual Christmas Potluck and Prize Drawing.

In addition, this meeting and potluck will start at 6:00 pm. instead of the usual 7:00 pm. start time.

The event will be at the Cedar City, Senior Center at 489 E. 200 S.

Ken Richter (KR7KR will be smoking a Ham, Turkey & Cheese.

As a side note we will not have any kitchen facilities or ways to heat food. There are wall sockets to plug in items if necessary. Please bring an extension cord if you plan on plugging something in.



RCARC November Club Breakfast Pic's



Above & below Members enjoying breakfast.



Continued next column



More members having breakfast. Empty chair in foreground is belongs to the guy taking the pictures.



Merlin (N7TCE) and Wife having breakfast.



Tony (KC6WFI) and his wife Sonia (KD6HYH).

A HAMS Night Before Christmas

Twass the night before Christmas,
And all through two-meters,
Not a signal was keying up
Any repeaters.

The antennas reached up
From the tower, quite high,
To catch the weak signals
That bounced from the sky.

The children, Technicians,
Took their HTs to bed,
And dreamed of the day
They'd be Extras, instead.

Mom put on her headphones,
I plugged in the key,
And we tuned 40 meters
For that rare ZK3.

When the meter was pegged
By a signal with power.
It smoked a small diode,
And, I swear, shook the tower.

Mom yanked off her phones,
And with all she could muster
Logged a spot of the signal
On the DX Packet Cluster,

While I ran to the window
And peered up at the sky,
To see what could generate
RF that high.

It was way in the distance,
But the moon made it gleam -
A flying sleigh,
With an eight-element beam,

Continued next column

And a little old driver
Who looked slightly mean,
So I thought for a moment
That it might be Wayne Green.

But no, it was Santa,
The Santa of Hams,
On a mission this Christmas
To clean up the bands.

He circled the tower,
Then stopped in his track,
And he slid down the coax
Right into the shack.

While Mom and I hid
Behind stacks of CQ,
This Santa of hamming
Knew just what to do.

He cleared off the shack desk
Of paper and parts,
And filled out all my late
QSLs, for a start.

He ran copper braid,
Took a steel rod and pounded
It into the earth
Till the station was grounded.

He tightened loose fittings,
Resoldered connections,
Cranked down modulation,
Installed lightning protection.

He neutralized tubes
In my linear amp...
(Never worked right before -
Now it works like a champ).

A new low-pass filter
Cleaned up the TV.
He corrected the settings
In my TNC.

Continued on page 23

A HAMS Night Before Christmas

Continued

He repaired the computer
That wouldn't compute,
And he backed up the hard drive
And got it to boot.

Then, he reached really deep
In the bag that he brought,
And he pulled out a big box.
"A new rig?" I thought!

"A new Kenwood? An Icom?
A Yaesu, for me?
An Elecraft, TEN-TEC
Or Flex, could it be!"
(If he thought I'd been bad
It might be QRP!)

Yes! The Ultimate station!
How could I deserve this?
Could it be all those weekends
I worked Public Service?

He hooked it all up
And in record time, quickly
Worked 100 countries,
All down on 160.

I should have been happy.
It was *my* call he sent.
But the cards and the postage
will cost me a month's rent!

Will cost He made final adjustments,
And left a card by the key:
"To Gary, from Santa Claus.
Seventy-Three."

Continued on next column

Then he grabbed his HT,
Looked me straight in the eye,
Punched a code on the pad,
And was gone - no good bye.

I ran back to the station,
And the pile up was big.
But a card from St. Nick
Would be worth my new rig.

Oh, too late, for his final
Came over the air.
It was copied all over.
It was heard everywhere.

The Ham's Santa exclaimed
What an old ham expects:
"Merry Christmas to all,
And to all, good DX."
Gary Pearce [KN4AQ](#)



The above article a Hams night before Christmas is a reprint from last years December RCARC newsletter.

Save The Dates

QUARTZFEST*

Coming to a Desert near you January 22 to 28, 2023

Quartzfest is a week-long ham radio, camping, learning and living event.

Quartzfest is an ARRL Specialty Convention held in January near Quartzsite, Arizona in the United States. No other Hamfest in the world brings together in one gathering so much innovation in mobile antenna systems, mobile ham shacks, recreational vehicles, portable and mobile EMCOMM systems, off-the-grid living, alternative energy and radio education.

Quartzfest is special in part because it comes to life each year, rising from nothing in a remote area of the Sonoran Desert in the southwestern USA. Hundreds of Hams and their families and friends choose to unplug from their daily lives, travel to and setup this desert community, and immerse themselves in this week-long one-of-a-kind ham radio, camping, learning and living event.

