

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



Club Websites: www.rcarc.info OR www.rainbowcanyons.com Number 4 – Vol. 10 – October, 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

President:

Fred Govedich
K17TPD

1-435-559-2682

fred.govedich@gmail.com

Vice President

Ron Shelley
K7HDX

1-623-261-6555

ronald.shelley@gmail.com

Secretary

Bonnie Bain
K17WEX

1-435-865-1653

Bonnie.bain@gmail.com

Treasurer

Linda Shokrian
KG7PBX

1-435-867-5914

lgshokrian@gmail.com

Newsletter Editor

Dennis L. West
W6DLW

1-760-953-7935

rcarcnewsletter@gmail.com



cq, cq, - Happy Halloween.



Presidents Message

Greetings Everyone,

Fall is her with cooler temperatures! Get out and play on the radio before the first snow hits. The Cedar City ½ marathon was a great success! Keep up the good work everyone who volunteered for these events! For October we will have a "Build your own tape-measure Yagi antenna!" for our monthly meeting. These are great for direction finding/fox hunting and for satellite communications.

Here is what you will need to build your own:

Parts list

- 1 - 25 feet 1-inch-wide steel tape measure (to make into antenna elements).
- 1 -10-foot piece of ¾ inch Schedule 40 PVC Tube.
- 2 - ¾ inch PVC Cross connectors.
- 2 – ¾ inch PVC T – connectors.

Continued on Page 2

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.
- 8:30 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

October 11, 2022

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. [Direction Finding
Antenna and How to make one.](#)
See President's message for what
you will need.

November 8, 2022

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. [Program to be
determined.](#)

December 13, 2022

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. [Program to be
determined](#)

January 10, 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.

6 – ¾ to 1 ½ inch stainless
steel Hose Clamps.

1 – 5-inch piece 14 gage
wire.

1 – Length coax wire (RG-
58, RG-8X, etc.), approx. 6
to 8 feet.

1 – connector to connect to
your (N, BNC, SMA, PL 259,
etc. depending on your
radio).

Solder & Flux.
Electrical Tape.

Needed Tools

Soldering Iron.

Tin Snips.

Wire Cutter.

Screw driver or nut driver.

PVC Cutter or fine tooth saw.

Sand paper or Dremel tool
with sanding disk.

Ruler or tape measure (not
to cut up).

Continued on Page 13

October Program Reminder

Build your own tape
measure Yagi antenna at our
next meeting on October 11,
2022.

See Fred's Presidents
message for what you will
need to build your antenna.

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 October

Happy Halloween



Breakfast & Friendship Net Awards September 2022

Breakfast Net		Friendship Net		
First Place	Third Place	First Place	Second Place	
K7ZI, Dick	KI7SCX - John	KA7J Lance	KJ7LTQ - Brant	
KK7CTI – Shanda		K7NKH - Lee	KK7FLL – Maddie	
KI7WEX - Bonnie		K7ZI - Dick	N7WWB – Darlene	
KI7TPD - Fred		KI7TPD - Fred	K7HDX - Ron	
KG7PBX - Linda		KI7WEX - Bonnie	Third Place	
KE7ZIM - Johnny		KI7LUM - Bruce	KJ7OGZ - Ann	
Second Place		KK7CEE - Bruce	W6DLW - Dennis	
N7SIY - Sylvia		K7WEP - Paul	N7SIY - Sylvia	

Rainbow Canyons Amateur Radio Club Treasurer Report as of Sept 13, 2022

Bank balance (reconciled) Aug 1, 2022	\$1,750.72
Membership deposits KJ6WXW	+ 20.00
Checks/expenses Rocky Mountain Power	<u>- 24.94</u>
Funds in bank as of 8/31/2022	\$1,745.78
Rocky mountain Power due 9/15/2022	<u>- 21.09</u>
Funds available after Sept 15, 2022	\$ 1,724.69

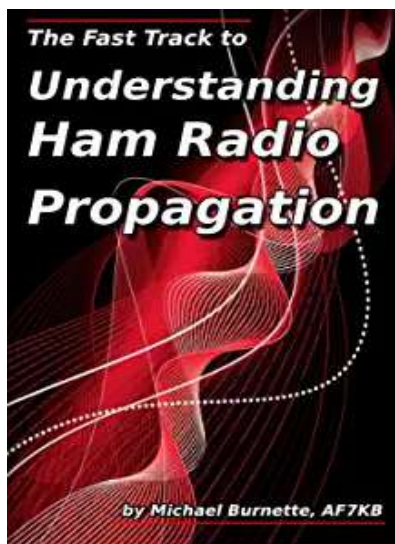
Submitted by
Linda Shokrian KG7PBX
2022 RCARC Treasurer
435-867-5914

In This Issue

President's Message.	Page 1
Treasurer Report	Page 3
Buzz's September Safety Tip(s)	Page 5
Annual RACES Communications Conference	Page 6
Radio News for October 1922.	Page 7
Iron Mission Days	Page 8
Revised ARES Plan from ARRL link	Page 8
ARRL Emergency Communications and Field Services Committee Update	Page 8
RCARC Monthly Breakfast	Page 9
RCARC September meeting Pic's and Program Presentation. "How to survive a radiological (nuclear) event".	Page 10
Radio Alfresco: 1929	Page 11
Amateur Radio Saves lives in Wisconsin & Idaho	Page 11
104-Year-old Ham is on the air	Page 13
Cedar City Half Marathon	Page 14
Iron County CERT Trailer Repairs Completed	Page 16
George Gallis (AL7BX) appointed Trustee of Amateur Radio Repeater WR7AAA RCARC.	Page 17
CERT Class Training Available	Page 19
Ham Radio Operators get Ready as Hurricane Ian Strengthens	Page 21

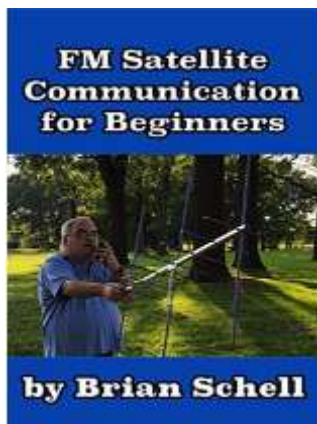
RCARC July Book Giveaway. Books are donated by Linda Shokrian (KG7PBX)

Shown below is the book that will be given away at the October 11, 2022 meeting.



RCARC Book Giveaway Winners.

The winner(s) of the September 13, 2022 book giveaway (pictured below are Bonnie Bain (KI7WEX) and Shanda Badger (KK7FTI)



Congratulations Bonnie & Shanda

Contact Us.

Mailing Address:

195 E. Fiddler's Canyon Road #3.
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

Reminder

Daylight Savings Time ends on November 6 2022 at 2:00 AM.

Mark Your Calendar





Buzz's October Safety Tip(s)



10 Essential Autumn Safety Tips



10 Essential Autumn Safety Tips

Did you know these Fire Safety Tips?

October is Fire Prevention Month. As the weather turns colder, we start using heaters, fireplaces and candles more. Here are some quick fire safety tips from the [NFPA](#):

1. Put candles on a sturdy, uncluttered surface and never leave a child alone with a burning candle.
2. Keep anything that can burn at least **3 feet** away from heating equipment like the furnace, fireplace, wood stove or space heater.
3. Only plug **one** heat-producing appliance (such as coffee makers, toasters or space heaters) into a receptacle outlet at a time.
4. Never burn candles if oxygen is used in the home.
5. Test your fire and carbon monoxide detectors to make sure the batteries are fresh and that your equipment isn't more than [10 years old](#).

Keep Halloween Safe!

Keep the kids [safe this Halloween](#) with tips from the [American Academy of Pediatrics](#):

1. When shopping for costumes, wigs and accessories look for and purchase those with a label clearly indicating they are flame resistant.
2. If a sword, cane, or stick is a part of your child's costume, make sure it is not sharp or too long. A child may be easily hurt by these accessories if he stumbles or trips
3. Do not use decorative contact lenses without an eye examination and a prescription from an eye care professional. While the packaging on decorative lenses will often make claims such as "one size fits all," or "no need to see an eye specialist," obtaining decorative contact lenses without a prescription is both dangerous and illegal.

Continued on page 6

10 Essential Autumn Safety Tips

Continued from page 5

This can cause pain, inflammation, and serious eye disorders and infections, which may lead to permanent vision loss.

4. Small children should never carve pumpkins. Children can draw a face with markers. Then parents can do the cutting.

5. Consider using a flashlight or glow stick instead of a candle to light your pumpkin. If you do use a candle, a votive candle is safest. **End.**

The annual Utah RACES/Communications Conference

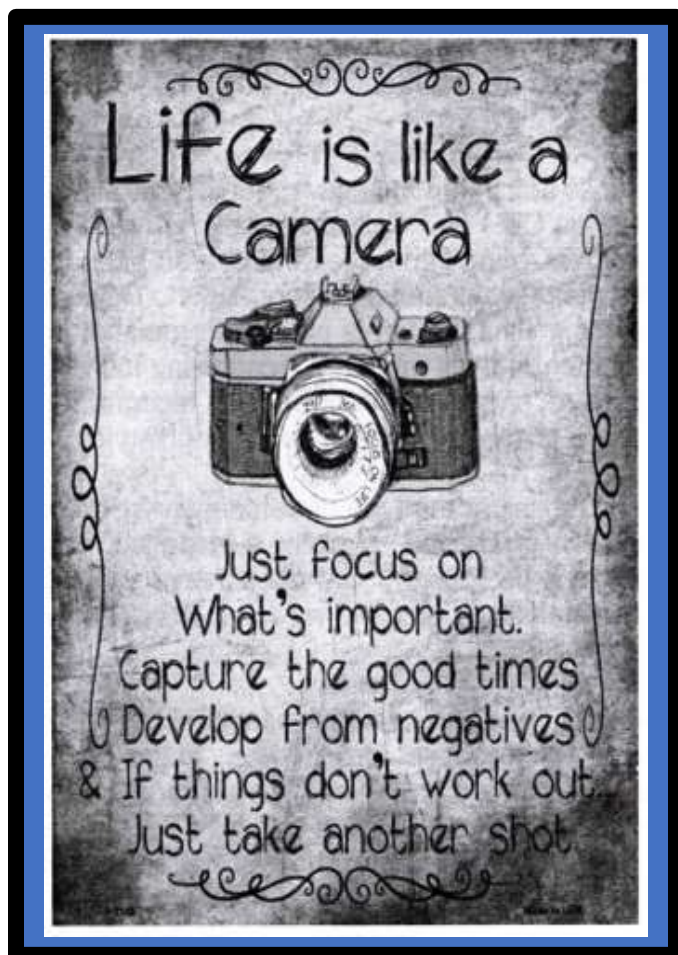
Save The Date. The annual Utah RACES/Communications Conference will be held November 5th, the first Saturday of November, 2022, from 8:00 am to 4:00 pm at the Multi-Agency State Office Building, 195 N 1950 W, Salt Lake City, Utah.

New this year, there will be static displays provided by some vendors and service providers.

Additional information to follow at a later date. **End.**

More to think about

Something to think about

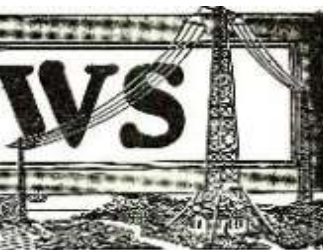




RADIO NEWS

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

EDITORIAL AND GENERAL OFFICES, 53 PARK PLACE, NEW YORK



Vol. 4

OCTOBER, 1922

No. 4

Needed Radio Improvements

OCTOBER marks the renewal of radio activities in this country. This time of the year, every radio amateur, every fan, is beginning to take renewed interest in his radio outfit, after the vacation period, and is trying to catch all that is going on in the air.

During the past summer broadcasters have not been asleep, either, and in a great many instances have improved their transmitting stations to a greater degree, so that broadcasted entertainment should now be of a vastly better quality than it was last spring.

We must now indulge in some straightforward talk, and must point out to our manufacturers why, after the winter and spring boom, there was such a tremendous falling off in interest on the part of the American radio public. The main reason, of course, was because too much poor apparatus was foisted upon an unsuspecting public.

Time and again, novices, buoyed up by the glowing reports they read on radio, bought poor equipment, which was promptly discarded, with the result that there was at once a man in the community who did all in his power to denounce radio. If there had been only a few of these, no great harm would have been done, but there were literally tens of thousands who were thus taken in and even now the victims have not a good word left for radio.

What the radio industry must do now, more than ever before, is to clean house, and make a clean sweep. Every instrument, every piece of apparatus that leaves the factory without giving 100 per cent. satisfaction to the user will prove a boomerang six months hence, when the public will refuse to buy. There has been too much poor equipment and flooding of the market with junk, and we cannot be too strong in our denunciation of such malpractice as was, and still is, rampant.

Another thing that has destroyed sales and taken away the confidence of the public is the loud-talker. Unless this instrument is carefully constructed, not only by radio experts, but acoustic experts as well, such an instrument will drive more prospects away than is imagined in some quarters. We have actually seen people standing in front of stores and after listening to some of these atrocities they turned away in disgust, saying, "If that is radio, I want none of it."

The fault in this case is not always in the loud-speaking device, but in the ignorance of the dealer or the man who displays the instrument, and who does not know how to get results from it. When amplification reaches beyond a certain stage, particularly where the regenerative effects are used, it becomes exceedingly difficult to avoid distortion. Even the best loud-talkers distort pretty badly, unless operated or used by an expert who knows radio from the ground up. But when the average person buys one of these instruments he very seldom gets results that are worth while and that will make for future sales. When a novice in radio operates one of these horns or loud-talkers, there is not one chance in ten that he will get the proper results, and then, when his friends come to listen to the news, music, or lectures, they may marvel at it, but as a rule they are not favorably impressed, and they do not often wish to invest their money in a similar outfit.

These conditions have killed literally a hundred thousand sales all over the country, and it is up to our manufacturers to rectify these conditions. With the exception of two or three loud-talkers, there are none that give real results.

The mischief becomes even greater when horns alone are sold, made for the purpose of attaching a headset or single receiver to them. The reason is that no two makes of receivers will work the same with such horns. The size of the diaphragm and the strength of the mag-

nets, besides a hundred other factors, contribute toward distortion, and it is impossible for a manufacturer of a horn attachment to know in advance what phone will be used with his product. Therefore, the chances are overwhelmingly against obtaining results from such a horn.

A horn that will work moderately well with a phone having a $2\frac{1}{2}$ -inch diaphragm, will not always work with a phone that has a $1\frac{3}{4}$ -inch diaphragm, etc. The moral, therefore, is that manufacturers of horns should not put them out alone in any case whatsoever, but furnish the phones or other electro-magnetic appliance built into the socket of the horn itself. This would be the only way to get fair results.

And while we are on the subject of horns, we want to call to the manufacturers' attention that 90 per cent. of them are not only designed wrong from start to finish, mechanically, but most of them have no acoustic properties whatsoever. The size and shape, acoustically, are wrong, and the materials themselves are ill-chosen. You cannot expect a thin, tin horn to give anything but a tinny sound, which, in fact, it does. We have seen horns when used with phones that started to vibrate at their fundamental stage, giving off a note of their own, and you can imagine the noise that issued forth from such a horn, instead of music. The materials are usually entirely too thin, and if metal is used it should never be less than $\frac{1}{16}$ inch in thickness.

We know that to get rid of the tinny sound it would be better not to use metals at all, but try to obtain a substance that gives no rise to overtones and no bad echoes. Years ago a phonograph horn was made of a sort of cardboard substance, lined with a thin coating of felt. This horn reproduced sounds better than anything we have seen lately.

Another material which might be used is cork in some form. Even a metallic horn lined with cork would be preferable to the present-day horns.

Finally, it becomes important to dwell upon the size of the diaphragm used in connection with loud-talkers. A number of manufacturers satisfy themselves by choosing almost any type of horn and attaching it to a single telephone receiver, letting it go at that. That is not solving the problem. Even if the horn was properly constructed mechanically and acoustically, we would still have the problem of the telephone itself. We venture the opinion that the size of most of the telephone diaphragms used today is much too small. It has been found in actual practice that a telephone receiver with a diaphragm from 2 inches to $2\frac{1}{4}$ inches in diameter gives the best results. While it is true that the telephone receiver having a diaphragm of about $1\frac{1}{4}$ inches will, in some cases, give a louder sound, it is also, as a rule, much shriller, and does not reproduce the human voice, band concerts, etc., as well as a larger diaphragm. Always remember that for broadcasting work a diaphragm is not only called upon to reproduce the human voice, but musical instruments as well. We are of the opinion that a small diaphragm cannot do this. For this reason the Germans use much larger telephone diaphragms, the size being almost three inches. Much better results are had with such receivers for broadcast work. Our manufacturers would do well to look into this, and if they can produce something that will give perfect, or nearly perfect, reproduction they will change the whole aspect of the radio industry, and people will buy radio equipment as they have never bought it before.

H. GERNSBACK.

Mark your calendar! "Iron Mission Days"

RCARC and Frontier Homestead State Park will join forces to celebrate "Iron Mission Days"

Date: November 11 & 12, 2022.

Time: Normal business hours (9am to 6pm) both days.

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

Operation: 2 HF radios and live operators making contacts with the outside world from *Frontier Homestead State Park & Museum!*

We have a unique situation for this event. We will operate a normal Special Event station, using the special call sign, N7U and simultaneously send out a POTA (Parks on The Air) operation number!

It is suggested we schedule operators for a 2-hour shift at the microphone, both days for a total of 18 hours on the air.

Bring your lunch, drinks and family and have *FUN!* handing out contacts during this annual celebration event.

If you would like to participate during this event contact Dick Parker (K7ZI) for additional information. End.

Revised ARES Plan from the ARRL.

FYI, please see URL link below reference the Revised ARES Plan from the ARRL.

Link to plan.

<https://www.arrl.org/files/file/ARES%20Plan%20Revision%207122b.pdf>

Brett Pruitt - K7BDP

Emergency Coordinator

Washington County ARES

ham.k7bdp@gmail.com

435-922-1114

ARRL Emergency Communications and Field Services Committee Update

The efforts of the ARRL Emergency Communications and Field Services Committee (EC-FSC) continue with four assigned subcommittees: ARES®/AUXCOMM, NTS™, Radio Clubs, and Field Services Restructuring. Each has an obvious and specific focus to evaluate the present structure and processes in their respective areas, and supply recommendations for change and improvement. Each subcommittee tasking calls for contact with many people in the ARRL Field Organization, community leaders, and served agencies. While this work is complex and ongoing, in the interim, the EC-FSC has completed a number of other tasks to improve services and recognition for ARRL members. Other improvements include (ARES-specific information is in bold):

1. An update of the ARRL Affiliated Club Commission Program for recruiting ARRL members. The new plan, now offering a higher commission and greatly simplified paperwork, provides a significant incentive for clubs to sign up more of their members to be ARRL members.
2. Recognition of US military veteran status in ARRL's publication of Silent Keys reports. Recognition is permitted for all honorably discharged members of the U.S. Armed Forces and all National Guards. The information will be gathered from Silent Key submissions and noted in the Silent Keys column in *QST*.
3. Members now have full access to all ARRL Division and Section newsletters through our web portal. If a member wants to see what a neighboring Division or Section may be doing, the information is now easily available.
4. *QST* now carries a new column, "Club Station," where clubs can share information about their activities and initiatives that may inform and inspire other clubs.

Continued on page 20

RCARC Monthly Breakfast

The first Saturday of each month RCARC members would meet at the Pastry Pub for breakfast. Due to a number uncontrollable circumstances over the last couple of years I.e., COVID and price increases at the Pub it was decided to look for another venue. After some research it was determined that the Golden Corral Restaurant could meet the clubs needs in servicing a large group of people.

On Saturday September 3, 2022 members met at the Golden Corral for the first time to enjoy a great breakfast and conversation.

See pic's below:



Club members enjoying their breakfasts.



Additional, pic of club members at breakfast.



Our club president Fred (KI7TPD) at far right getting ready to chow down.



Left foreground, members Tim (KI7LVC) and Wife Tammy (KI7LVB) enjoying breakfast.



Linda (KG7PBX) making a motion to use the Golden Corral Restaurant each month as our breakfast location. Motion passed a 100%

Continued next column

RCARC September Meeting Pic's



Members in conversation before meeting start.



George Gallis (AL7BX) presenting the monthly repeater report.



Fred (KI7TPD) bringing meeting to order



Ron Shelley (K7HDX) thanking everyone that participated in the Cedar City Half Marathon.



Members citing the pledge of allegiance



Fred (KI7TPD) introducing the guest speaker for tonight's presentation on "How to survive a radiological (nuclear) event".

Terry Meissner

Continued on page 16

Continued next column

Radio Alfresco: 1929



Our subject is Dr. James Harris Rogers (1856-1929) of Hyattsville, Md., inventor of the "loop aerial" and holder of numerous patents in telegraphy, telephony and radio:

August 16, 1929. A Veteran Inventor. About 6 miles from Washington, on the edge of the little hamlet of Hyattsville, Md., may be found Dr. James Harris Rogers, wizard inventor, now 80 years old, retired from his work but still erect and energetic. It was Dr. Rogers who during the war proved that water as well as earth and air is a medium for the transmission of electro-magnetic waves. Through the "well" located on his property, high officials heard German official reports. End.

Amateur Radio Makes the Connection to Save Lives in Wisconsin and Idaho

The following two rescue stories are great examples of why amateur radio is important. The first story occurred in Wisconsin and is told by ARRL member Scott Strecker, KG9IV. In his own words, Strecker shares how he was able to help a ham in distress. Thanks to the Chippewa Valley Amateur Radio Club in Wisconsin, an ARRL Affiliated Club, for this information.

"It was Friday, September 2, 2022, which meant I worked from my home office. I have the VHF radios on low to monitor them in the background. Recently, I got into the Allstar node with a hotspot. I use it to monitor the FM38 systems (Allstar 2495) in the southern [part] of Wisconsin.

At about 7:45 AM, I heard the Allstar node come up. An individual in distress was asking for assistance to get an ambulance to him. It was a ham in Brown Deer, Wisconsin. He had slipped on his bathroom floor and went down so hard he could not get up, but he happened to have his handheld with him (don't we all). He did not have access [to the] phone, and he lived alone.

[I called the] Brown Deer police call center. The dispatcher got the fire department rolling and then started asking me for more details. I had the dispatcher on speaker phone, and he could hear the hams' responses to the questions. Being on a handheld and [lying] prone, the signal was, at times, noisy. At that time, both the other ham and I used ITU phonetics to get the exact info out. All those times practicing on the ARES® nets made it second nature. The dispatcher was also able to understand the info without my having to repeat it.

It felt good to help out. I also realized it was due to my monitoring that I was able to hear his call. If you are not participating in the weekly local ARES net, I would encourage you to do so when you can."

Continued on page 12

Amateur Radio Makes the Connection to Save Lives in Wisconsin and Idaho

Continued from page 11

In addition to Strecker's story, newly licensed amateur radio operators Shannon Vore, KK7GVG, and CJ Bouchard, KK7GNG, also shared a rescue story. On September 3, 2022, in the Rocky Mountains in northwest Idaho, they were out for a weekend of four-wheeling in their Jeep. The area is an extremely mountainous region with no towns, very few people, no facilities, and no cell phone coverage. The nearest airfield is Horse Haven Trail, an unimproved dirt strip that's severely eroded and covered with rocks and debris.

At about 4:30 PM, Vore and Bouchard were taking a break when an approaching truck notified them of an ATV accident involving two teenage girls. The accident scene was just a few miles away, and when they arrived it was clear the teenagers were critically injured. Bouchard was unable to contact several local repeaters, but was finally able to make contact using a simplex frequency (146.420 MHz) that's popular with the hams in Coeur d'Alene, 20 miles from the accident site.

While Bouchard and an off-duty Emergency Medical Technician (EMT) were administering medical aid to the teenagers, Vore took over radio operations. The call for emergency assistance was picked up by local amateur radio operator John Tappero, K7JNT, who immediately called 911 and asked that 146.420 MHz be used only for emergency traffic. For nearly 2 hours, Vore and Tappero provided relay between the 911 dispatcher, advising the condition of the injured and the approaching weather. Life Flight Network was unable to respond because of a severe thunderstorm immediately over the rescue site.

Two teams of EMT's were dispatched, but due to the mountains and the storm, they couldn't communicate with dispatch.

Continued next column



Shannon Vore, KK7GVG, and CJ Bouchard, KK7GNG, used ham radio to respond to an accident in a remote area of Idaho. Bouchard used a simplex frequency on the 2-meter band to get help.

Tappero continued to provide relay information for all parties until 6:00 PM, when the EMT's arrived. The teenagers were in stable condition and immediately transported to the nearest hospital. Today, they're in good condition and recovering.

"It took us about 2 days to wind down from the experience," said Vore. "We are both glad we had our amateur radio licenses and were able to help."

Bouchard said that they had been using radios on the General Mobile Radio System (GMRS), but have since upgraded their licenses for more operating privileges. "Because the area signals were not good, it was difficult to communicate," he continued. "So, we studied, took our exams, and are now looking forward to much more amateur radio opportunities."

Both Vore and Bouchard are now looking to join a local amateur radio club and become involved in the ARRL Amateur Radio Emergency Services® (ARES®). End.



104-Year-Old Ham is On the Air

ARRL member Oscar Norris, W4OXH, of Gastonia, North Carolina, will turn 105 on September 25, 2022, and he is still on the air.



Oscar Norris, W4OXH, with his guide dog, Neil, circa late 1940's.

Norris lost his sight when he was 24 in 1942, and it was his blindness that led him to amateur radio. He earned his license in 1949, and has been on the air for 73 years.

Tony Jones, N4ATJ, has known Norris since he was 14 and remembers the first time, he met Norris. It was at a bicycle shop and Norris, blind, was still able to tear down a wheel, replace the spokes, and spin the wheel until it was balanced. Several years later, Norris gave Jones a book on how to earn an amateur radio license.

"Over the years, the book got misplaced," said Jones. "I would give anything to find that book today." Jones continued, "Oscar has the personality of one of the kindest people you would ever want to meet, and he never has an unkind word for anyone."

Norris communicates mostly using digital mobile radio (DMR) on a handheld radio, and he has been a member of the Gaston County Amateur Radio Society (GCARS), an ARRL Affiliated Club, since 1979.

In honor of his 105th birthday, GCARS members will be operating the special event station N1O from 00:01 UTC on September 20 through 20:00 UTC on October 1. Operations will be on the HF bands, 2 meters, 1.25 meters, and 70 centimeters. Modes used will be CW, SSB, FT4, FT8, DMR, and D-STAR.

For additional information, contact Jones at n4atj@twc.com.

President's Message

Continued from page 2.

We can discuss this at the next meeting. We also have Iron Mission Days at the Frontier Homestead State Park on November 11-12. This is a great opportunity to come out and meet with the public and at the same time make contacts around country and even the world. We can pair Techs up with General and Extra Class Hams so that you can try out the HF radio bands. All participants will also receive a certificate for taking part in this event.

Remember if you need help setting up your radio, software, or other equipment please ask your fellow Hams for help. Part of the fun is helping others! As always, I'd like to thank everyone who makes our meetings great by asking questions. I would also like to thank our net controls for the nets and everyone who participates!

Cheers!
Fred (K17TPD)



Continued next column

Cedar City Half Marathon



On September 10, 2022 Rainbow Canyons Amateur Radio Club (RCARC) members were in place by 6:00 am at their assigned locations along the Marathon course to support the over 600 runners participating in this year's Cedar City Half Marathon.

The Cedar City Half Marathon is a perfect high-altitude trainer for those preparing for full marathons, including the Saint George Marathon which is held only a few weeks later.

This 13.1-mile closed-canyon course is one of the nation's fastest courses. Runners descend from 8,408 feet in elevation to 5,600 feet at the finish line.



RCARC members gather information for Race Management in regards to runners that pass their stations. This information is then passed on to Race Management. Members also assist with emergency communications if needed, logistical needs of the Aid Stations in getting additional supplies, water and cups if they run low. See pic's next column.

Continued next column



Race Front Runners



The runners just keep coming



The back of the pack is in site

Continued on page 15

Cedar City Half Marathon

Continued from page 14



A Bagpiper Playing for the runner's as they pass by.



Linda (KG7PBX) and George (AL7BX) at Aid Station 4.



Sylvia (N7SIY) and Bill (K6QOG) at Aid Station 2.



Fred (KI7TPD) following the last runner down the course.



Bill Stenger (K6QOG) talking with Fred (KI7TPD) and Bonnie (KI7WEX) in the sweep car.



The last Runner.

Continued next column

Continued on page 17

RCARC September Meeting Pic's

Continued from page 10



Terry Meissner introducing the group the program for tonight. "How to survive a radiological (nuclear) event".



Terry showing a type of protective clothing.



Additional, more heavy-duty protective clothing.

Continued next column

While there was a lot of information presented at the presentation some of the topics included:

1. Preparing for a Rad/Nuke event.
2. Radiation Units.
3. Ionizing Radiation
4. The Rad/Nuke itself.
5. Situational awareness.
6. Distance from the Rad/Nuke.
7. Time until fallout hits your area.
8. Shielding
9. Radiation Self Protection.
10. Characteristics of injuries after Nuclear and Radiological Disasters.

Thanks, Terry, for a great presentation. End.

RCARC EComm Members Complete Maintenance and Repairs to the Iron County Community Emergency Response Team (CERT) Trailer.

One of the most common downsides of Emergency Response Trailers that are stored and set stationary for long periods of time is deterioration. Tires rot, seams crack and develop water leaks which causes damage to interior sections of the trailer.

On November 11, 12 and 20, 2021 members of the RCARC EComm group met at the County Emergency Operations Center (EOC) and began the process of providing necessary maintenance, sealing of the roof water leaks and making repairs to the small radio room due to water damage.

Which included the complete removal of all paneling on walls and then adding new insulation and new paneling.

This was an ongoing project that carried through August of 2022.

See Pic's on page 18

Continued on page 18

Cedar City Half Marathon

Continued from page 15



Brant (KJ7LTQ) daughters Madi (KK7FLL) and Gabi ran for a short time to support their mother as she ran the marathon.



TOP 3 FEMALES 🏃

- 1st Place - Angie Green - 1:20:51
- 2nd Place - Carolyn Williams - 1:22:15
- 3rd Place - Janzen Quinn - 1:26:40



TOP 3 MALES 🏃

- 1st Place - Jason Quinn - 1:09:12
- 2nd Place - Hunter Chamberlain - 1:10:09
- 3rd Place - Logan Petty - 1:11:25

Continued next column.

George Gallis Appointed New Frisco Peak Trustee

At the August RCARC General Membership meeting a motion was made to appoint George Gallis (AL7BX) to be the trustee for Amateur Radio Club License WR7AAA Rainbow Canyons Amateur Radio Club. Fred (KI7TPD) made the motion with Brody (K7VXV) providing the second. Motion passed with a unanimous vote of those in attendance. Frisco Peak is part of the Utah VHF Society Intertie system.

Frisco Peak is located in Milford, Utah. The repeater covers Delta, Cedar City and other parts of Southern Utah and Eastern Nevada. Congratulations George.

Iron County CERT Trailer Repairs

Continued from Page 16

Here are several before and after Pictures



Radio room water damage.



Fred (KI7TPD) prepping base of wall for insulation.



Dick (K7ZI) prepping rivets along the top seams.



Lance (KA7J) waiting for the next panel of insulation for install.



Dennis (W6DLW) stacking the removed paneling.



Bruno (KG7VVN) finishing the insulation install on walls.

Continued on page 22

Continued next Column

Iron County CERT Training Coming this Month

This is the information about the CERT class that I will be teaching for Iron County residents on **SATURDAY, OCT 29th, from 9:00am to 5:00pm** at Festival Hall located in downtown Cedar City; 105 North 100 East, Cedar City, UT, 84720. If are not familiar with this location, please look it up before the class so you can arrive on time.

6. Community Emergency Response Teams (CERT Teams) respond in the period immediately after a disaster when response resources are overwhelmed or delayed. CERT Teams are a bridge to professional responders until they are able to arrive. This training covers basic skills that are important to know in a disaster when emergency services personnel may not be immediately available. This training is sponsored by the State of Utah, Div of Emergency Management and the Iron County Office of Emergency Management.
7. Skills taught during the CERT classes are:
 - a. First Aid
 - b. Incident Command System (ICS)
 - c. Light Search & Rescue
 - d. Emergency Communications and other skills
8. CERT classes also prepare families and communities prior to emergencies and assist neighbors during an emergency when first responders are not immediately available.
9. **The majority of this class is online-** so you can take it at your own pace and not have to leave the comfort and safety of your home. It requires about 6-7 hours online. Each module is about 1 hour long consisting of Power Point slides and some Videos. **You MUST complete the online training before attending the Saturday practical training class.**
10. The cost for the class is FREE. We will conduct the practical hands-on portions of the course on **SATURDAY, OCT 29th, from 9:00am to 5:00pm** at Festival Hall located in downtown Cedar City.
11. Course materials for the CERT program including the PowerPoint Presentation slides, Training Videos & participant manual can be downloaded and viewed at this FEMA/CERT site: <https://www.ready.gov/cert>
12. If the above FEMA link doesn't work, just copy the link and put it in your browser and go. Scroll down on the site and view/download the CERT Presentation slides and View all of the CERT training Videos BEFORE the class.
13. We are encouraging both husband and wife members to take the course. It will be a review for some of our members and new material for others. Both members should sign up individually for the course. You can view the material together or separately as you wish, as long as both of you attend the practical portion
14. CERT Backpacks and supplies will be provided to Iron County Residents during the class on Saturday.
15. Hard copy CERT student manuals will be provided during the class from the Iron County Emergency Manager.
16. Finally, You MUST take the online CERT class and /or review all the PowerPoint slides BEFORE the Saturday class. Normally this is a 24 hour in-person class- Due to Covid issues we are teaching only the practical, hands-on portion in a single 8-hour class. **The remaining 16 hours you must review on your own.**

Terry Meissner
Iron County CERT Coordinator
(435) 691-3742
Tmeissner@escgroup.us

Iron County CERT Trailer Repairs

Continued from Page 18



Ken (KR7KR) and Jack (KG7VEJ) reinstalling the light & Shelving Units. Note new steps in foreground.



CERT Trailer Radio Room remodel completed.

Note, walls are white board paneling to write on.

A great big thanks to all that helped with this project.

ARRL Emergency Communications and Field Services Committee Update

Continued from page 8.

5. The [ARES Plan](#) has been updated with a few recent changes and posted on the ARRL web pages.

6. The results of this year's Simulated Emergency Test (SET) will be able to be electronically filed and all of the score calculations will be done by the new online program. This has been tested and will roll out in time for the October 2022 SET.

7. Annual reporting/renewals for Affiliated Clubs and those clubs who are also Special Service Clubs (SSC) have different renewal dates - all based upon the anniversary of when the club was Affiliated or became an SSC. Often one of the dates was overlooked during the club's renewal process. As of January 1st, 2024, these dates will be fully synchronized and will renew simultaneously, ensuring no club will lose its SSC status because of an oversight. New and renewing SSCs are now listed monthly in *QST*.

8. Clearing the backlog of pending Memoranda of Understanding (MOU) between ARES groups and served agencies. Five MOUs have been approved, two more are near completion and one awaits signature from the cooperating agency. While this work is

ongoing, we are planning a template version of an MOU, which will greatly simplify the MOU process and speed the approvals. -- ARRL Emergency

Communications and Field Services

Committee Chairman Dale Williams, WA8EFK





It's that time of year again to nominate RCARC Board members for 2023. Nominations will be accepted at the November 8, 2022 RCARC general meeting. Nominations will continue to be received until the December 2022 meeting where voting will take place. Newly elected candidates will be seated at the January 10, 2023 meeting.

Ham Radio Operators Get Ready as Hurricane Ian Strengthens

09/27/2022

ARRL Amateur Radio Emergency Service® (ARES®) groups and volunteers have ramped up preparations as the National Hurricane Center (NHC) reported that Hurricane Ian continues to quickly intensify. As of 11:00 AM Eastern Time on Tuesday, September 27, Ian is a Category 3 hurricane located 305 miles south-southwest of Sarasota, Florida with maximum sustained winds of 115 mph and moving toward the north near 10 mph. Ian is forecast to approach the west coast of Florida as an extremely dangerous major hurricane.

In a Monday evening special bulletin, the ARRL West Central Florida (WCF) Section reported that several ARES groups in the Section were activated at the request of their served agencies or in accordance with their local ARES plan. "All ARES, ACS, and CERT personnel are encouraged to continue to check each advisory issued by the National Hurricane Center in Miami and the Tropical Weather Outlook issued four times daily by the National Hurricane Center," included the WCF Section [bulletin](#). "All ARES, ACS, and CERT personnel should bring to completion any preparedness activities by Tuesday evening, and stay in communication with their respective leadership, in case of activation."

The ARRL Northern Florida (NFL) Section is actively monitoring Ian, reminding volunteers to take care of their personal property and family first, and to check their equipment and make sure all is in order and operational. Volunteers have also been asked not to self-deploy. "We are only to deploy if requested by our local counties, served agencies, or the State of Florida," emphasized an NFL Section ARES [activation status](#) report. Here is a statement from NFL Section Emergency Coordinator Arc Thames, W4CPD, who serves as the Amateur Radio Liaison to the State of Florida:

"In response to Hurricane Ian, our ARRL leadership team in Florida has been in direct communication with the State of Florida's ESF-2 resources, including the Statewide Interoperability Coordinator, since Friday, September 23. The Florida Division of Emergency Management has requested the activation of amateur radio HF emergency nets, as well as to provide resources to staff the various positions needed throughout the state. We ask that all amateur radio operators yield use of any frequencies in use for Hurricane Ian to allow the clear flow of traffic between agencies during this activation. Hurricane Ian is expected to have a major impact in a large portion of the state due to the strong winds and storm surge that will impact the state for an extended period of time."

"We remind our operators that we do not self-deploy. Any deployment requests will come directly via served agencies. While help is greatly appreciated, we have to follow the established processes to ensure that everyone is accounted for and has a defined mission."

Ham radio operators can follow advisories on Hurricane Ian off the main menu of the VoIP Hurricane Net website at <https://voipwx.net>, or at the NHC website at <https://www.nhc.noaa.gov>. The Hurricane Watch Net is active and operating on 14.325 MHz.

Amateur radio operators who want to monitor or participate in the hurricane nets should visit these two useful and informative links:

[The Hurricane Watch Net - Useful Links](#)
[VoIP Hurricane Net](#)

Happy Fall Eveyone

