

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



Club Websites: www.rcarc.info OR www.rainbowcanyons.com Number 3 – Vol. 12 – December 2021

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.

2021 Club Officer's

President:

Fred Govedich
K17TPD

1-435-559-2682

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Vice President

Ron Shelley
K7HDX

1-623-261-6555

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Secretary

Bonnie Bain
K17WEX

1-435-865-1653

Bonnie.bain@gmail.com

Treasurer

Linda Shokrian
KG7PBX

1-435-867-5914

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Newsletter Editor

Dennis L. West
W6DLW

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CQ, CQ, Merry Christmas



Presidents Message

Greetings fellow HAMs!

Hope you had a great month and a great Thanksgiving! With the colder temperatures it sure feels like Winter outside! Even with the cold we still have many opportunities to get on the air! See the ARRL special events page at:

http://www.arrl.org/special_events/se_arch/page:1/model:Event for more information of events that are happening this month.

Winter Field Day is just around the corner and will be held on January 29-30, 2022. 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!

Our Christmas party will be held at our next scheduled meeting day will be December 14th and we will be giving away two dual band mobile rigs, two LiFePO4 batteries (12 volt), a collapsible J-pole antenna and a Raspberry Pi! We will also have many books to give away! Should be fun!

Cont. 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.

Local Repeaters:

146.980 MHz – Tone 100.0 Hz

146.940 MHz – Tone 100.0 Hz

146.760 MHz – Tone 123.0 Hz

147.160 MHz + Tone 100.0 Hz.

448.800 MHz – Tone 100.0 Hz

146.680 MHz – Tone 100.0 Hz

Remote Bases:

449.500 MHz – Tone 100.0 Hz

449.925 MHz – Tone 100.0 Hz

ILRP/Echolink

449.900 MHz – Tone 100.0 Hz

Save The Date

December 14, 2021

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Annual
Christmas Party and Potluck. See
page 13.**

January 11, 2022

RCARC Club Meeting.

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

February 8, 2022

RCARC Club Meeting.

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

March 8, 2022

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.

We will also have our officer elections (current nominations are for the existing leadership team).

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 (KI7TPD)

RCARC Club Breakfast

Come join us the first Saturday of every month at 9:00 a.m. for breakfast at the Pastry Pub located at 86 W. Center Street, Cedar City.



And



Happy Birthday and
Anniversary to those
celebrating in December



Merry Christmas



Breakfast & Friendship Net Awards November 2021

Breakfast Net		Friendship Net	
First Place	Second Place	First Place	Second Place
N7SIY - Sylvia	N7SND - Larry	N7SYI - Sylvia	N7SND - Larry
KC6WFI - Tony	KK7ZL - Ed	K7HDX - Ron	K7WEP - Paul
KE6ZIM - Johnny	Third Place	N7WWB - Darlene	KA7J - Lance
KI7TPd - Fred	KG7PBX - Linda	W6DLW - Dennis	KJ7LTQ - Brant
KI7WEX - Bonnie	KF7CIN - Clare	K7NKH - Lee	
		KI7TPD - Fred	Third Place
		KI7WEX - Bonnie	KI7SXJ - Isaiah
		N7TCE - Merlin	
		KI7LUM - Bruce	

Rainbow Canyons Amateur Radio Club Treasurer Report as of Oct 29, 2021

Bank statement balance - Oct 1, 2021	\$ 2,412.98
Memberships	+ 60.00
Rocky Mountain Power	<u>- 21.06</u>
Bank statement balance - Oct 29, 2021	\$ 2,451.92
1 outstanding check # 105 (cost of hats & T-Shirts)	<u>- \$276.00</u>
Available Balance as of 11/9/2021	\$2,175.92

Submitted by
Linda Shokrian KG7PBX
2021 RCARC Treasurer
435-867-5914

Rainbow Canyons Amateur Radio Club 2022 Officer Nominees

Fred Govedich (KI7TPD)	President	Bonnie Bain (KI7WEX)	Secretary	Dennis L. West (W6DLW)	Newsletter Editor
Ron Shelly (K7HDX)	Vice President	Linda Shokrian (KG7PBX))	Treasurer	Please attend this month's meeting and vote for your candidate.	

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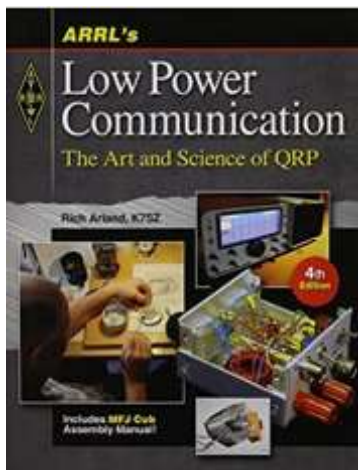
RCARC December Meeting Book Giveaway

Notice

There will be no book giveaway in the month of December. See you next year.

RCARC Book Giveaway Winner.

The winner of the November 9, 2021 Book Giveaway was Tony (KC6WFI)



Congratulations
Tony

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

Note

Winter Field Day is just around the corner. Start getting your equipment ready, batteries charged etc.

Winter Field Day will commence on Saturday January 29th through Sunday the 30th.

We will operate from the Iron County EOC/Public Works Office on Kitty Hawk Drive West of Bulldog Road.



Buzz's December Safety Tip(s)



10 Ways to Stay Safe as You Deck the Halls this Holiday Season

The holiday season is here, and the American Red Cross wants everyone to stay safe from home fires as they decorate their homes for the upcoming festivities.

Decorations like trees, lights and candles increase the risk of home fires during the holidays—with Christmas, New Year's Eve and New Year's Day being the top three days for home candle fires, according to the National Fire Protection Association.

The Red Cross wants people to stay safe from home fires—the nation's most frequent disaster—by testing their smoke alarms and practicing their home fire escape plan with free resources at [redcross.org/homefires](https://www.redcross.org/homefires). In addition, you can follow these 10 simple safety tips as you put up lights and ornaments:

1. Check all holiday light cords to make sure they aren't frayed or broken. Don't string too many strands of lights together—no more than three per extension cord.
2. If are buying an artificial tree, look for the fire-resistant label. When putting it up, keep it away from fireplaces, radiators and other sources of heat.

3. If getting a live tree, make sure it's fresh and water it to keep it fresh. Bend the needles up and down to make sure no needles fall off.
4. If using older decorations, check their labels. Some older tinsel is lead-based. If using angel hair, wear gloves to avoid irritation. Avoid breathing in artificial snow.
5. When decorating outside, make sure decorations are for outdoor use and fasten lights securely to your home or trees. If using hooks or nails outside, make sure they are insulated to avoid an electrocution or fire hazard.
6. If using a ladder, be extra careful. Make sure to have good, stable placement and wear shoes that allow for good traction.
7. Don't use electric lights on metallic trees.
8. Don't forget to turn off all holiday lights when going to bed or leaving the house.
9. Keep children, pets and decorations away from candles.
10. If hanging stockings on the fireplace mantel, don't light the fireplace. End.

Continued next column



Reminder 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 on page 10.

RCARC November Pastry Pub Pic's



Club members enjoying the conversations.

Labeling Coax with bread clips

The flat plastic clips that are used as closures on bread and other supermarket packages are very useful for labeling coaxial cable. They clip directly on RG-58 and other similarly sized coax.

There are a few ways to mark the clips to use as labels. First, you could simply use a label maker or felt tip pen. Second, you could implement a standard color-code system – red for 2 meters, green for 5-elements and so on. And finally, you could edge notch in Morse code. For example, on a dipole cable reading down, you could notch dah-dit-dit – “D” for dipole (see figure “A” below). This method would be useful in reduced light or for the visually impaired.

Figure “A” below



H. Scott McCann, W3MEO

Effort Continues in IARU Region 1 to Address Coexistence of Ham Radio and Navigation Satellites

The issue of coexistence between amateur radio and satellite navigation systems on 23 centimeters continues as a discussion topic in advance of World Radiocommunication Conference 2023 (WRC-23). The issue primarily involves interference potential to one satellite frequency in the European Union's Galileo GPS system.

Agenda item 9.1b at WRC-23 calls for "Review of the Amateur Service and the Amateur-Satellite Service allocations in the frequency band 1.240 - 1.300 MHz to determine if additional measures are required to ensure protection of the radionavigation-satellite (space-to-Earth) service operating in the same band in accordance with Resolution 774 (WRC-19)."



In late October, the International Amateur Radio Union (IARU) was involved in preparatory work for WRC-23 agenda item 9.1b. These discussions are occurring in ITU-R Working Party 4C (WP4C).

"The working party is considering simulations provided by two administrations [countries] to estimate the interfered area that might exist around a 23-centimeter band amateur service transmitter," IARU said in a news release

"A number of amateur station configurations are under consideration...based on characteristics developed and contributed by the IARU. Both narrowband and wideband emissions are considered."

Various representative station and antenna configurations are being modeled.

IARU representatives contributed to a discussion to ensure that the station parameters are more representative than those proposed in the original contribution papers. The studies were revised based on these negotiations during the meeting and are reflected in the draft working document. The interim results show interference distances of up to several kilometers, depending on antenna and power level. This work will continue into the next WP4C meeting.

Other measurement campaigns are investigating the effect of offsetting the transmission frequency of various amateur signals with respect to the center frequency of the RNSS satellite navigation signal and the impact of the RNSS receiver bandwidth.

The IARU is working to ensure the Amateur Services are realistically represented in the studies as they move forward. A [summary report](#) from the WP4C meeting is available on the IARU website. -- *Thanks to the IARU End.*



Hello everyone, Buzz here with a reminder that RCARC members will be voting for the coming year's 2022 club officers at the December 14, 2021 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 3. Please attend this month's meeting and vote for the person of your choice.

Continued next Column

Registration Opens for the 2022 ARRL National Convention in Orlando

ARRL and the Orlando Amateur Radio Club (OARC) will host the [2022 ARRL National Convention](#) and Orlando HamCation® on February 10 - 13, 2022, in Orlando, Florida. The convention theme, "reDiscover Radio," highlights radio amateurs' commitment to developing knowledge and skills in radio technology and radio communication. Convention co-organizer and ARRL Director of Public Relations and Innovation Bob Inderbitzen, NQ1R, promises the ARRL National Convention at Orlando HamCation will be one of the best in-person conventions that ARRL has ever assembled.



"There will be expert presenters, community-building opportunities, and plenty of social time to celebrate being together with our friends from across the ham radio community," Inderbitzen said. "And who doesn't love Florida in February?"

The convention will kick off on Thursday, February 10, with a series of morning and afternoon Training Tracks and a National Convention Luncheon at the DoubleTree by Hilton Hotel Orlando at SeaWorld. [Registration](#) is now open for Thursday's program, and an early-bird registration rate of \$75 is in effect through December 15.

The convention will kick off on Thursday, February 10, with a series of morning and afternoon Training Tracks and a National Convention Luncheon at the DoubleTree by Hilton Hotel Orlando at SeaWorld.

Continued next column

[Registration](#) is now open for Thursday's program, and an early-bird registration rate of \$75 is in effect through December 15.

The National Convention Training Tracks are workshops providing an in-depth learning experience in one of the four track topics. Attendees will select a Training Track when completing their online National Convention [registration](#).

Training Track #1: Contest University. This marks the first time that Contest University® (CTU) is coming to Orlando. Registrants will learn from some of the top amateur radio contesters in the world. CTU will appeal to new and veteran contesters alike who are looking to hone their skills. Presenters cover general contest operations, contesting skills, and many resources and tools to get more out of contesting. The Track Leaders are Tim Duffy, K3LR, and Teri Grizer, K8MNJ. Presenters include ARRL US Virgin Islands Section Manager Fred Kleber, K9VV/NP2X; Chris Blake, NX4N; Luis Romero, W4LT; Claudio Veroli, I4VEQ, and Max Fountain, KJ4EUT, who will offer a youth perspective on contesting.

Training Track #2: Emergency Communications Academy. Guest speakers from amateur radio emergency communications training will present an overview of amateur radio responses during disasters, message traffic handling, Amateur Radio Emergency Service® (ARES®), Auxiliary Communications (AUXCOMM), Winlink, emergency antennas, and emergency power. Participants will learn the skills and roles needed to be an effective volunteer. The Track Leader is Rick Palm, K1CE. Presenters include Gordon Gibby, KX4Z; Mike Walters, W8ZY; Curt Bartholomew, N3GQ; Matthew Curtin, KD8TTE; Helen Straughn, WC4FSU; Leland Gallup, AA3YB; Earl McDow, K4ZSW, and others.

Continued on Page 18

RCARC General Membership Meeting November 9, 2021 Pictures.



Fred KKI7TPD) Programming radios prior to the meeting.



Fred (KI7TPD) calling meeting to order.



Members arriving and waiting for meeting to start



Pledge of allegiance.



Merlin (N7TCE) in Conversation with Bonnie (KI7WEX)

Continued next column



George (AL7BX) providing a repeater update.

Continued on page 12

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.

EComm members check radios at Cedar City Hospital in preparation for the December 8, 2021 SWUPHD Region-wide Communications Exercise.

The exercise is designed to test the response capabilities and availability of amateur radio operators from the five SWUPHD response areas. They are Beaver, Garfield, Iron, Kane and Washington Counties. In addition to pass Health Department related messages during disasters.



Lance (KA7J) testing the HF voice Radio



Fred (K17TPD) checking UHF/VHF radio frequencies with the exercise ICS205 form.

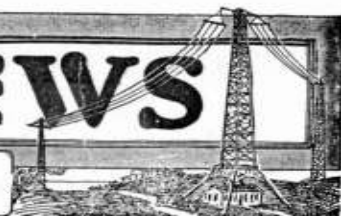


Brad (WA7HHE) & Lance (KA7J) going over radio controls



RADIO NEWS

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



Vol. 3

DECEMBER, 1921

No. 6

THE RADIOTROLA

The careful observer, during the past six months it has become apparent that we are finally headed in the right direction as far as popularizing radio is concerned. We may say that we are now right in the midst of a revolution, as far as radio and the great public are concerned. We see the weather marks everywhere. The newspapers are becoming enthusiastic about radio, and devote more and more space to it. The man in the street is beginning to take a lively interest in all things radio. The editor's desk is beginning to become flooded with letters, not from radio bugs alone, but from the layman, who does not know the difference between a detector and a telephone receiver—all of which is a healthy sign, and we may say that radio is entering into its last and final stage, as far as the public at large is concerned.

Most of this, of course, is due to the radio telephone. Take for instance, the Westinghouse Electric and Manufacturing Co., with its broadcasting radio telephone stations at Pittsburgh, Pa.; Newark, N. J., and Springfield, Mass., as well as Chicago, Ill. (roof of the opera theatre), is doing the one thing that is needed to popularize radio. These stations operate from 10:00 A. M. to 10:00 P. M. each and every day. They broadcast not only radio telephone talk, but jazz music, singing by the best opera artists, violin and piano concerts, etc.

The progressive daily newspaper, the "Newark Call," now has a daily, as well as a Sunday section containing nothing but radio. All the various radio activities are truly reported in these pages and that is not all. This newspaper works in conjunction with the Westinghouse broadcasting station at Newark, and thus, for instance, they send twice a week at 7:00 P. M., a story for children, supposed to be told by "The man in the moon." This has been going on for some time, and has proven a huge success, and there are now countless children within a radius of several hundred miles listening in on these good-night stories, which are spoken by the authoress into the phone at the broadcasting station.

At the Westinghouse broadcasting station at Newark, lectures are also given. Thus, for instance, the writer, early last month, delivered a lecture on radio which was heard by thousands of amateurs who were within range.

Then recently in New York one of the progressive amateurs started to broadcast Sunday sermons by a well-known minister, and this service will be continued right along. No wonder that the man in the street is beginning to become interested in radio when the air is full of music, talk, jazz, and what not. Hence, the day of the "radiotrola" is approaching with ever-increasing speed.

The writer coined the word radiotrola, from Victrola, for which he may be pardoned. If you turn to page 494, you will better understand what the radiotrola looks like. We are fast approaching the time when some enterprising company will manufacture precisely such an instrument. We all know that a layman does not want to be bothered with circuits, loops, tubes, and a lot of other—to him—useless junk.

The telephone would never have become as popular as it is to-day if you had tried to sell each man an instrument that he had to connect himself, and in order to do so learn all the "how and why" of telephony. That may be all right for the telephone engineer and specialist, but not for the business man, who wishes to use the instrument.

We cannot expect the future wireless radio enthusiast to buy the parts of an outfit, and put it up himself. He will never do it. What he wants is a sort of radiotrola that is all connected up for him, and, with a few intelligible instructions, can be used as easily by the young hopeful as by grand-dad.

As our illustration shows, all we require is a nice cabinet which contains all the instruments readily put up. In front, there should be a knob that could be turned for any desired entertainment, such as jazz, lectures, good-night stories for children, grand opera, etc. To be sure it will be necessary to send out the different entertainments on different wavelengths, and we are coming to exactly this. Thus, for instance, in the future let us say, jazz will be sent out on 250 meters, grand opera on 350 meters, etc.

Then the radiotrola, at the bottom, will contain a few batteries that can be slid in just like flashlight batteries, without having to bother with wires and nuts. No adjustments should be necessary outside of turning the loop one way or another to intensify the sound coming in through the loud talker.

Perhaps you think all this is very fantastic. Indeed it is not, as the editors have built precisely this instrument. The loop in question measured only one foot across, and in the crowded downtown New York section, surrounded by steel buildings, and skyscrapers, we have been able to receive all the music and talk as sent out by the Newark broadcasting station, the sounds coming in strong enough to be heard all over a large floor.

Only one adjustment was necessary, and that is a variometer. All the other adjustments, rheostats, etc., were fixed. This outfit will be described in an early issue.

We are indeed in the millenium of radio. As one of our manufacturers said to us the other day: "Radio is getting to be such a tremendous thing, that I am becoming afraid of it."

That is just the sentiment to-day, and it seems a healthy condition.
H. GERNSBACK.

**RCARC General Membership Meeting
November 9, 2021 Pictures. Cont'd**

VE Testing



Fred (KI7TPD) going over items on the agenda.



Bruce Adams taking his technician class exam.
As a side note he passed. Congratulations Bruce.



Meeting Program the Emergency alert System.



Ron (K7HDX) and Lance (KA7J) grading and finishing up the paper work on Bruce's exam.



James Moore (KGYVEI) presented an over view of the history to present day on the Emergency Alert System.

END



A real Country Christmas

RCARC Annual Christmas Meeting Potluck and Prize Drawing.

Save the date

December 14, 2021 at 6:00 pm.

Our next RCARC General Membership Meeting is scheduled for Tuesday December 14th 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.

If you plan on attending, please email rcarcnewsletter@gmail.com for a list of the food sign-up sheet.



Christmas Potluck Breakfast at Linda (KG7PBX)'s House.

Wow, can you believe it the Holidays are here. And with that brings on the festive get togethers.

Normally on the first Saturday of each month we meet at the Pastry Pub for breakfast at 9:00 am.

December's date would be on the 4th. However, this December we will not be meeting at the Pastry Pub as Linda Shokrian (KG7PBX) is hosting a breakfast potluck at her home at 9:00 am.

If you plan on attending, please bring a breakfast dish to share with other attendees.

Linda's phone # (435) 867-5914.



Ham Radio Newsline

Independent News Source for the Amateur Radio Enthusiast.

Please check out the URL below to get the most current Ham Radio News both in Audio & Script format. Scroll down the web page for earlier news versions.

www.arnewsline.org



A HAMS Night Before Christmas

Tw'as 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 15

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 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](#)

*Merry
Christmas*



Canyon Creek Service's Needs your Help

Current Needed Items:

Below is a list of items that are needed for our Emergency Shelter and those we serve in the shelter. These are items that we need all year round.

- **Non-perishable Food** (no spam or chili please - we have an abundance of these items currently)
- **Spices** (garlic powder and salt, onion powder, taco seasoning, pumpkin spice seasoning, lemon pepper, season all, and sage)
- **Specific Food** - bouillon for soups, gravy mixes, juice mixes, tomato-based products, canned soups, canned beans, flower, sugar, bread
- **Towels** - Bathroom (body & hand) towels, kitchen towels, washcloths
- **Shampoo & Conditioner** (full-sized)
- **Cleaning Supplies** - All-purpose cleaner, Sanitizing, and general supplies
- **Paper Products** - Paper towels, toilet paper, kleenex/tissue
- **Bedding** - Twin sized sheet sets, blankets, & comforters
- **Electric Blankets**



If you are interested in donating items listed on the above lists. Please drop them off at the Canyon Creek Services Facility at the following location:

Canyon Creek Services

535 South Main Street (Behind Pork Bellies).

Hours are 9:00 am. to 5:00 pm. (Monday Through Friday).

If you would like to donate but are unable to take your items to the drop off location, Ann, (KJ70GZ) will pick the item(s) up and deliver them to Canyon Creek Services for you. Please call her at (909) 263-7790.

Cut off date for donations is December 17, 2021.

RCARC EComm Members Provide 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 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 is an ongoing project that may carry into next year. To date the following EComm members have participated in the maintenance and repair of the CERT Trailer.

Brad Biedermann (WA7HHE), Bruno DeBacker (KG7VVN), Dennis West (W6DLW), Dick Parker (K7ZI), Fred Govedich (KI7TPD), Lance Jackson (KA7J) and Anthony Karbowski (KC6WFI).

See Pictures below:



Radio room water damage



Brad (WA7HHE) watching Bruno (KG7VVN) prep seams.



Brad (WA7HHE) prepping seams for caulking.

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Dick (K7ZI) prepping rivets along the top seams.

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Registration Opens for the 2022 ARRL National Convention in Orlando

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Training Track #3: Hands-

On Handbook. Generations of radio amateurs have turned to *The ARRL Handbook* to be inspired to be radio-active in new ways! This series of presentations will take a deeper dive into a handful of topics covered in the *Handbook*, encouraging you to explore a variety of amateur radio activities. Topics (subject to change) include portable operating, remote station control, amateur satellite communications, and HF digital modes.

Training Track #4: Technology

Academy. Track Leader Kristen McIntyre, K6WX, will be joined by technical experts in the amateur radio community, including ARRL Lab Manager Ed Hare, W1RFI. Topics (subject to change) include antennas, radios, standing wave ratio (SWR), grounds, and "hints and hacks" to keep our stations humming along at maximum efficiency.

Registration includes the National Convention Luncheon, featuring a keynote address by ARRL CEO [David Minster](#), NA2AA.



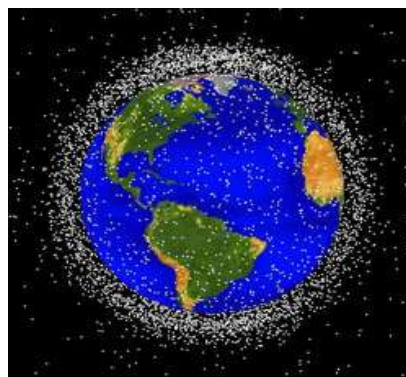
The rest of the celebration continues at HamCation on Friday, Saturday, and Sunday (February 11 - 13) at Central Florida Fairgrounds and Expo Park in Orlando -- an 87-acre lakefront fairground. Tickets for [HamCation](#) are sold separately and are now available for purchase.

OARC President John Knott, N4JTK, notes that the 2022 convention marks the 75th anniversary of HamCation, one of the largest annual gatherings of radio amateurs in the US. "We want our diamond anniversary show to be an exciting, five-star event," said Knott. "We look forward to seeing you in Orlando in February."

For further details, visit the 2022 ARRL National Convention website at www.arrrl.org/expo and the Orlando HamCation website at www.hamcation.com. End.

Russia's Destruction of an Orbiting Satellite Raises Space Debris Concerns

Russia tested an anti-satellite weapon on November 15, destroying Kosmos 1408, one of its own old and now-defunct satellites. Launched in 1982, Kosmos 1408 was some 300 miles above Earth. Its destruction generated a debris field in low-Earth orbit that prompted the seven International Space Station crew members, including one Russian cosmonaut, to take cover in their crew capsules for several hours, in case they had to abandon the station.



The proliferation of spacecraft in Earth orbit has greatly increased the possibility of collision with space debris. [Photo courtesy of NASA]

"The [ISS] is passing through or near the cloud every 90 minutes, but the need to shelter for only the second and third passes of the event was based on a risk assessment made by the debris office and ballistics specialists at NASA's Johnson Space Center in Houston," NASA Chief Bill Nelson explained. Occupants of the Chinese space station are reported to have taken similar action.

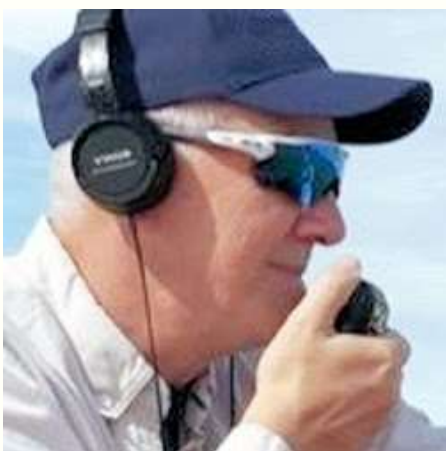
The incident also has generated criticism from many corners, as well as a grave discussion on the possible impact of any future such tests, by Russia or anyone else.

The danger of damage to the ISS or an orbiting satellite aside, tracking a debris field that could include thousands of pieces, in order to head off collisions, is a concern all its own.

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Russia's Destruction of an Orbiting Satellite Raises Space Debris Concerns. [Continued from page 18](#)

Very small debris in space is essentially impossible to track reliably, if at all. The incident also comes at a time when the number of spacecrafts orbiting Earth continues to grow. AMSAT President Robert Bankston, KE4AL, said that Russia's action will pose a threat to all activities in low Earth orbit for years to come, placing satellites and human spaceflight missions at risk.



AMSAT President Robert Bankston, KE4AL.

"Space is already crowded, but now there are at least 1,500 trackable fragments and, possibly, hundreds of thousands of smaller yet still-threatening pieces of debris in low-Earth orbit," Bankston said. "While space stations have the capability to move out of the way, with sufficient notice, most satellites in low-Earth orbit, including those designed, built, launched, and operated by AMSAT, do not.

As such, they face greater risk of catastrophic destruction or degraded mission functionality, if struck by fragments from Russia's destruction of Kosmos-1408."

Bankston said AMSAT is closely monitoring the situation and hoping for the best.

Nelson echoed Secretary of State Antony Blinken in expressing his own outrage at Russia's action.

Continued Next Column

"Their actions are reckless and dangerous threatening as well the Chinese space station and the taikonauts on board," he said.

FCC Commissioner Nathan Simington condemned the incident as "irresponsible" and noting that orbital debris fields pose a threat to hopes for the peaceful use of space and "make the work of using space complicated and difficult," he said in a [statement](#). "No one owns space," Simington said. "And no one should intentionally make it more difficult to use."

The FCC has made it clear that orbital debris rules apply to amateur satellites, in general requiring submission of an orbital debris mitigation plan with each license application. Read [an expanded version](#). End.

Welcome – ARRL Newsletter

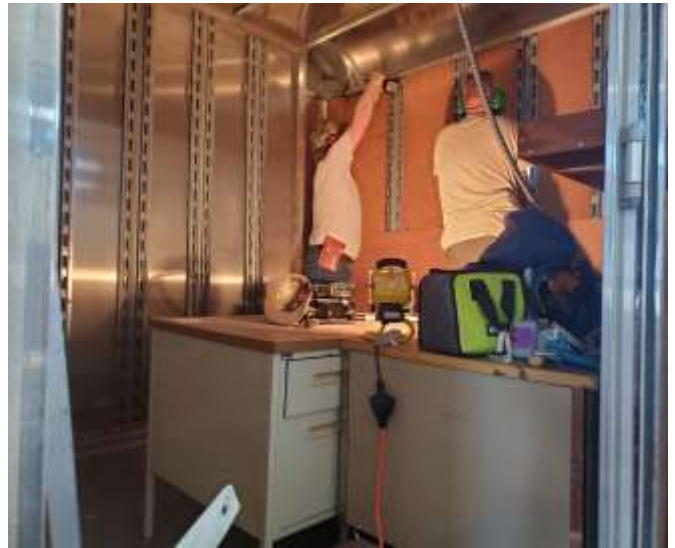
Welcome to the first edition of the re-launched ARRL Club News newsletter. The last time that this newsletter was published was December 2009. Some folks over the years have made the comment that clubs are dead. That is not the sentiment of today's ARRL leadership. Clubs are an essential part of the success of our organization, and we want to help them in any way that we can. Progress is often a challenge for many folks, and the way to help them with that is most often communication. If we know what is happening, we have the chance to adjust as we go. The best way for us to move forward together is to communicate from Headquarters to the field and for the field to have a way to communicate to ask questions and get answers from us. This newsletter will highlight some of the great things that clubs are doing. We want your feedback, and we want to know how your club is dealing with an ever-changing world. Let us know. Send your feedback to clubs@arrl.org. We are listening. Thanks - Mike Walters W8ZY, Field Services Manager. END.

CERT Trailer Repair

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Brag (WA7HHE) prepping front corner seams.



Fred (KI7TPD) & Bruno (KG7VVN) removing the old paneling



Fred (KI7TPD) inspecting seams prior to caulking



Brad caulking prepped seams at trailer front.



Dennis (W6DLW) stacking the removed paneling



Fred (KI7TPD) prepping base of wall for insulation

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Emergency Communications Academy: Plan Now to Attend the 2022 ARRL National Convention at Orlando HamCation and Emergency Communications Training Track on Thursday!

Plan on attending the 2022 ARRL National Convention, set to take place at [Orlando HamCation®](#) on February 11-13. A day-long workshop on emergency communications is scheduled as one of the training tracks that will be offered as part of the National Convention program that will precede HamCation on Thursday, February 10. The training presentations will feature current protocols, techniques, and responsibilities for the modern volunteer radio operator serving partner agency and organizations. The presenters are all subject-matter experts. Topics to be covered include the ARES, AUXCOMM and Florida Emergency Communicator Position Task Books, an overview of amateur radio responses to disasters, basic voice traffic handling with hands-on voice traffic net/message transfer practice, using the ICS-213 form, Winlink's ARDOP (Amateur Radio Digital Open Protocol) and VARA protocols, and the Radio Mail Server (RMS) hybrid internet/HF radio gateway system. The event will be held on Thursday, February 10, 2022 at the Doubletree by Hilton Orlando at SeaWorld. Participants should arrive at the hotel, check in at 8 AM, and be in seats by 8:30 AM. A National Convention Luncheon (for everyone) runs from noon to 1 PM in the banquet room. The track ends at 5 PM. [Registration for the ARRL National Convention at Orlando HamCation is now open.](#)



October 2021 Volunteer Monitor Program Report

The Volunteer Monitor (VM) Program is a joint initiative between ARRL and the FCC to enhance compliance in the Amateur Radio Service.

Technician-class operators in Yarmouth Port, Massachusetts, and Richmond, Texas, received *Advisory Notices* after making numerous FT8 contacts on 40 and 20 meters. Technician-class licensees are not allowed to transmit data on 40 meters and have no operating authority on 20 meters.

Operators in Mims, Florida; Moorefield, West Virginia; State Road, North Carolina, and Grottoes, Virginia, received *Advisory Notices* concerning excessive SSB bandwidth on 40 and 75 meters. The operator in Moorefield, West Virginia, previously received an *Advisory Notice* for out-of-band operation on 7.138 MHz. His case will be referred to the FCC for further enforcement action, which could include removal of voice privileges from, or revocation of, his General-class license.

An operator in Cave Creek, Arizona, received an *Advisory Notice* for making lengthy transmissions without identifying, as required by Commission rules.

An operator in Highlandville, Missouri, was reminded that a beacon on 30 meters cannot be automatically controlled, pursuant to 97.203(d) of the Commission's rules, and must have a control operator present at all times of transmission. He was further advised that the FCC may request a schedule of control operators and their duty hours.

The final totals for monitoring in September were 1,909 hours on HF frequencies and 2,716 hours on VHF frequencies and above, for a total of 4,625 hours.

There was one recommendation to the FCC for case closure and renewal of a license, and one request to review a license application. The FCC referred two cases to the VM Program. -- VM Program Administrator Riley Hollingsworth, K4ZDH

CERT Trailer Repair

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Bruno (KG7VVN) measuring insulation strips for radio room.



Bruno's helpers Anthony (KC6WFI) & Lance (KA7J)



Bruno (KG7VVN) cutting the insulation for install

Continued next column



Lance waiting for the next panel of insulation for install



Bruno (KG7VVN) finishing the insulation install.

Stay tuned for additional pictures as the project moves forward.



Merry Christmas Everyone

International Space Station to Transmit Slow scan TV

ISS SSTV December 1-2, 2021 on 145.800 MHz FM

Russian cosmonauts on the International Space Station (ISS) are planning to transmit Slow Scan TV images on 145.800 MHz FM using the SSTV mode PD-120.

The transmissions are part of the Moscow Aviation institute SSTV experiment (MAI-75) and will be made from the amateur radio station RS0ISS in the Russian ISS Service module (Zvezda) using a Kenwood TM-D710 transceiver.

- December 1, 2021 (Wednesday) from 12:10 GMT until 19:10 GMT*
- December 2, 2021 (Thursday) from 11:40 GMT until 17:20 GMT*

Dates and times subject to change.

The signal should be receivable on a handheld with a 1/4 wave whip. If your rig has selectable FM filters try the wider filter for 25 kHz channel spacing.

You can get predictions for the ISS pass times at <https://www.amsat.org/track/>



Now how did that happen?



CQ, CQ, CQ has anyone seen Rudolph



Merry Christmas Everyone
And
Happy New Year