

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



Club Websites: www.rcarc.info OR www.rainbowcanyons.com Number 2 – Vol. 1 – January 2020

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.

2020 Club Officer's

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CQ, CQ, Happy New Year



President's Message

Hello Fellow HAMs!

Hope everyone has a wonderful Holiday season and that you are looking forward to another great year! The Annual Christmas part was great! Thank everyone who contributed food and good cheer! A special Thanks for Ken (KR7KR) for his wonderful smoked turkey and ham! Congratulations to all who won prizes, especially K7ZI and K17LUM who won the grand prizes this year!

I would like to thank everyone for a great 2019 year and I hope to build on everything we did last year. As part of this we are going to try to have more 'Elmer' nights, builder nights and meeting activities that will help new and old Hams connect with our Hobby! Winter Field Day is coming up fast! It is January 25 and 26. For those who are interested we will meet out at Three Peaks Saturday morning to set up. We will have the ECOMM trailer, but come ready for cold weather!

I encourage you to play, share, and have fun! Everyone has strengths and weaknesses and we are all in this because we love some aspect of radio communications.

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.
7:00 p.m. Tuesday's Southwestern Utah Digital Net. Using FLDIGI, FLMSG AND FLAMP – 146.680, 1500/MT63-2KL
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.
8: p.m. Saturdays – SSTV – 449.925.
9:00 p.m. Daily – Friendship Net – 146.760.

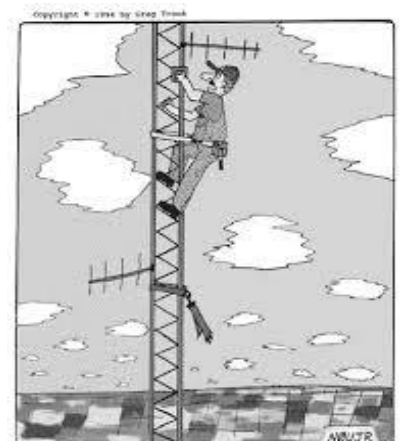
11: a.m. Saturdays (Mtn. Time) QCWA – 160 Net, Utah Chapter, 12: p.m. Freq. 7.272.
7:00 p.m. Thursdays – RCARC CW Net on 146.980.

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

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



"So Bob...why did your ex-wife give you a new climbing belt for Christmas?"

Save The Date

January 13, 2020

Extra Class Study Group.
See page 16 for details.

January 14, 2020

RCARC Club Meeting

Program: FT8 Digital Mode.
Presentation by Ed (KK7ZL, Fred (KI7TPD) and George (AL7BX).

January 25 & 26, 2020

Winter Field Day. (See Page 16 for additional information).

February 12, 2020

RCARC Club Meeting

Program: PODS (Point of Dispensing). Presented by Paulette Valentine, Director of Emergency Preparedness and Response Division of the Southwest Utah Public Health Department. (SWUPH).

Presidents Message Continued from page 1.

If you are interested in how radios, antennas, or other equipment works then please explore the topic, experiment, and share what you have done with the group! We have members who have been doing this for less than a year up to those who have been doing this for decades. That is what makes this such a fun hobby! If you have time over the Holiday get out and make contacts, talk to your friends, and have fun. Don't be shy, we are all friends here! Even though we are currently experiencing a solar minimum, we still have opportunities to make contacts worldwide. Just be patient and keep trying with CW, Digital, satellite, or other interesting modes!

In Service
Fred Govedich (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. Check out their website at: www.cedarcitypastrypub.com

Attention RCRC Members.

January 4 breakfast location and time change.

As most of you are aware many of RCARC members meet the first Saturday of each month at the Pastry Pub for breakfast.

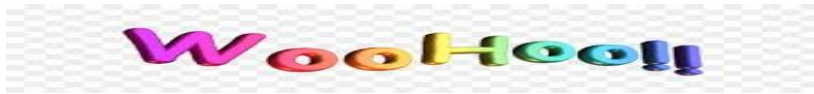
The first Saturday in January is the 4th and the Pastry Pub will be closed. Therefore, Linda Shokrian (KG7PBX) has graciously offered her home to the club for a Brunch. If you plan on attending please bring a dish (Potluck Style) to share with attendees.

Date:	Saturday, January 4, 2020
Time:	10:00 A.M.
Phone:	1-435-867-5914, for additional information.



Happy Birthday and
Anniversary to those
celebrating in January





Breakfast & Friendship Net Awards

Breakfast Net	Friendship Net
First Place	First Place
KG7PBX - Linda	KA7J - Lance
KI7WEX - Bonnie	KI7TPD - Fred
Second Place	KI7WEX - Bonnie
KK7ZL - Ed	W6DLW - Dennis
KI7TPD - Fred	Second Place
Third Place	KI7LUM - Bruce
KI7SDA - Jerel	Third Place
	K7HDX - Ron

Happy New Year Everyone



RCARC Members at the Pastry Pub enjoying their breakfast and fellowship



RCARC Christmas & Potluck Party Pictures



Above two pictures are members arriving and waiting for the meeting to start.



Fred (KI7TPD) welcoming everyone to the Meeting & Christmas Party.



The Smoked Ham & Turkeys have arrived.



Above two Pictures show the Potluck under way.
More pictures on page 13

Distracted Driving Laws

The American Automobile Association digest of distracted driving laws has information for your state, and can be found at www.drivinglaws.aaa.com/tag/distracted-driving/.

Many states that have passed handheld cell phone and texting ban provide various exemptions for emergencies, law enforcement personnel, emergency medical technicians, firefighters, state DOT employees, etc. according to the National Conference of State Legislators. Ideally, laws are written to narrowly define the class of devices included in the regulation so that the class includes suggested statutory language for state motor vehicle codes. More information can be found at www.arrl.org/mobile-amateur-radio-policy.

Contact your ARRL Volunteer Council at www.arrl.org/locate-vc, your ARRL State Government Liaison (SGL) at www.arrl.org/sections, and/or your local motor vehicle division for reliable information on the legal status of mobile Amateur Radio use.

ARRL has stated its argument "Simplex, two-way radio operation is simply different than duplex, cell phone use. Two-way radio operation in moving vehicles has been going on for decades without highway safety being an issue. The fact that cell phones have come along does not change that."



10 Handy Amateur Radio Websites for the beginner as well as the seasoned radio operator

Website Organization and Use

[ARRL](http://www.arrl.org) - Many useful regulatory, educational, operating, and technical items and links.

[AC6V](http://www.ac6v.com) and [DX Zone](http://www.dxzone.com) - General-interest websites with many links on all phases of ham radio.

[QRZ.com](http://www.qrz.com) - Call sign lookup service and general-interest ham radio portal.

[eHam.net](http://www.eham.net) - News, articles, equipment swap-and-shop, product reviews, and mailing lists

[Radiowave Propagation Center](http://www.radiowavepropagation.com) - Real-time information on propagation and solar data.

[Space Weather Prediction Center](http://www.spaceweatherprediction.com) - Real-time information on space weather and radio communications.

[TAPR](http://www.tapr.org) - Information on digital data modes and software-defined radio (SDR).

[AMSAT](http://www.amsat.org) - Main site for information on amateur satellites.

[WA7BNM Contest Calendar](http://www.wa7bnm.com) - Contest calendar and log due dates.

[YOTA \(Youngsters On the Air\)](http://www.yota.org) - World-wide group for student and young adult hams, based in Europe.

[DXMAPS.com](http://www.dxmaps.com) - Collection of real-time maps showing worldwide activity on any amateur band.

[DX Summit](http://www.dxsummit.com) - Worldwide DX Spotting network.



RCARC Member(s) HAM Gear For sale

Name	Call Sign	Amount	Description of item for sale or trade.	Cost Dollars	Condition	Sellers contact information.
Jim McIntyre	W2ADF	1	ICOM 208 H Dual Band Radio	\$200.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	2	Kenwood 2m TM – 281- A Radios	\$100.00 Ea.		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	ICOM IC 740 HF Radio	\$375.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	ICOM 208 H Dual Band Radio	\$200.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	Kenwood Power Supply – PS80	\$75.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	Astron Power Supply – RS20 A	\$50.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	Fritzel Carolina Windom Wire Antenna – Series 83. 40 through 80 Meters.	\$75.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	MFJ 941 E Tuner	\$75.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	MFJ 949 D Tuner	\$75.00		435-704-7077 or zerbert14@gmail.com
Jim McIntyre	W2ADF	1	MFJ 949 C Tuner	\$75.00		435-704-7077 or zerbert14@gmail.com

For our members wishing to purchase or get further information please contact the listed seller direct. The listing will stay posted for two months and then be deleted.

To the Seller if you sell your item before the two-month period end, please e-mail me at rcarcnewsletter@gmail.com and let me know that you've sold the item.

If items do not sell in the first two months and you would like to keep them listed for an additional two months let me know.

FCC Amending Amateur Radio RF Exposure Safety Rules

12/05/2019

The FCC is amending its Part 97 Amateur Service rules relating to RF exposure safety. In a [lengthy document](#) in ET Docket 19-226 released on December 4 that addresses a broad range of RF safety issues, the FCC said current amateur radio RF exposure safety limits will remain unchanged, but that the amateur-specific exemption from having to conduct an RF exposure evaluation will be replaced by the FCC's general exemption criteria. Radio amateurs have always had to comply with RF exposure limits, but certain stations have been exempted from having to conduct evaluations based only upon power and frequency. The Commission indicated that by and large, if an RF source was "categorically excluded" from routine evaluation under the old rules, it will most likely still be exempt under the new rules, which are expected to take effect in the next couple of months. "For applicants and licensees in the Amateur Radio Service, we substitute our general exemption criteria for the specific exemption from routine evaluation based on power alone in Section 97.13(c)(1) and specify the use of occupational/controlled limits for amateurs where appropriate," the FCC said.

Continued on Page 15

HAM radios aren't just a thing of the past.

A couple of local people are seeking to spread awareness and help promote telecommunication by use of HAM radios. Buckhannon residents Fred and Stacy Suder both have licenses to operate the amateur radios and want to help others utilize this amazing method of communicating.

Long before the internet and cell services, the study of electromagnetic fields and radio communication dates back to the 1870s, which was 50 years after Samuel F.B. Morse invented the Morse code, around 1832. The HAM Radio or, "Amateur Radio," is a complex radio that can be traced back over 100 years. Many still use it today, but people must be licensed to operate radio bands.

According to the National Association for Amateur Radio, James Clerk Maxwell, a main pioneer of amateur radio, presented a theory about electromagnetic fields in 1873 that would eventually lead others to experiment with radio devices, which included high power and antennas. The Radio Act of 1912 required amateurs to be licensed and restricted them to the single wavelength of 200 meters. Two years later, Hiram Percy Maxim founded the American Radio Relay League and noticed that if more relay stations were organized, communication would be more reliable over longer distances. Soon, tests were being made with transmission and receiving over the Transatlantic beginning in 1921. Eventually, the first two-way contact would be made via the Moon by July 1960 on 1296 MHz.

Continued Next Column

Mr. Suder mentioned, "HAM radio operators were some of the first to operate and transmit with even creating their own call letters at the time it was being invented." He continued to explain how different radio bands respond separately. "For example, on 160 meters which is near the am broadcast band, at night you can talk to folks in Florida. That's why WBUC isn't on the air at night. If they were on the air at night on the am, you'd hear them in Florida. And that's why they operate during daytime only," Suder mentioned.

"You don't see too many HAM radios nowadays. It used to be more popular in the '60s. For me, it's been a hobby for all my life, but once you understand the importance of amateur radios or when you study to get a license, it comes in handy when all else fails. Many of these units are used for emergency situations and the military still uses them," Suder stated. "Most of my family are licensed to operate amateur radios. My main goal is to get the word out and it would be nice to have a county club. Some of the counties in our state have clubs like Doddridge, Monongalia, Logan, Raleigh, Kanawha and a lot more; WVU even has a club for amateur radios. The range of telecommunication with these radios are so powerful and distant, you can speak to people from just in your town or someone directly in another country on the other side of the Earth. They're so strong that they even reach to outer space," Suder said.

"My main goal is to stress the opportunity for young folk to get them involved in something that you don't see too frequently and It's a great hobby and service to pick up on, and introduces people to the electronics and telecommunication that are unlike the communication we mostly use today with cell phones and the internet," Suder emphasized.

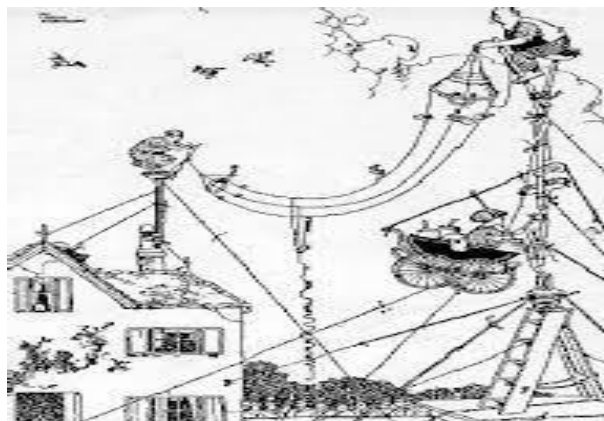
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HAM radios aren't just a thing of the past.

“People may get involved for different reasons, but have a basic knowledge of radio technology and operation principles. You must pass an examination for an FCC license to be qualified to operate on radio bands. They call them ‘Amateur Bands’ that have been assigned by the FCC (or Federal Communications Commission). You used to have to learn Morse Code too, in order to pass the examination years ago,” he stated. “A good buddy of mine and I was inspired as teenagers to obtain our license and then eventually acquiring the top license. My first Call letters were K8WYH,” Suder proudly expressed.

Fred and Stacy Suder currently have a “Go Fund Me” fundraiser on Facebook, in order to help young people, purchase online courses for Amateur Radio. “It teaches the youth about emergency communications and gives them an opportunity for advanced learning. Anyone can obtain a license. There are kids under the age of 10 learning to operate HAM radios,” Suder further stated. You can contact Fred and Stacy through Facebook @Fred Stacy Suder or by email at fredstacysuder1@yahoo.com to contribute to their cause or for more information about Amateur Radio licensing.



FCC Proposes Fining New York Radio Amateur \$17,000 for Deliberate Interference

A New York Radio Amateur — Harold Guretzky, K6DPZ, of Richmond Hill — is facing a \$17,000 fine imposed by the FCC. Guretzky was issued a *Notice of Apparent Liability for Forfeiture (NAL)* on October 3 for causing intentional interference on a local repeater and preventing other radio amateurs from using it.

“Given his history as a repeat offender, this violation warrants a significant penalty,” the FCC said in the *NAL*.

The *NAL* recounted numerous complaints alleging that Guretzky was deliberately interfering with a repeater in Glen Oaks, New York. In June of 2017, the FCC issued a *Warning Letter* to Guretzky, advising him of the nature of the allegations against him and directing him to stop using the repeater going forward.

Nonetheless, additional complaints were filed. In April 2018, agents from the FCC New York Enforcement Bureau office drove to Richmond Hill to investigate. Following an inspection of Guretzky’s station, the agents advised him in writing that he was prohibited from using the local repeater.

After the FCC received further complaints regarding Guretzky’s continued operation on the local repeater, an Enforcement Bureau agent again drove to Richmond Hill to investigate. The agent monitored the VHF repeater’s input and output frequencies and, after observing deliberate interference to other stations, used direction-finding techniques to identify the source of the transmission as Guretzky’s station.

“The agent monitored and recorded the transmissions emanating from Guretzky’s station for several hours that afternoon and heard him interfering with the local repeater,” the *NAL* said. “Later, the agent heard Guretzky making threatening comments toward other amateur operators. These transmissions were a deliberate act to control the frequency and prevent other Amateur Radio operators from conducting legitimate communications.”

The following month, FCC Regional Director David Dombrowski spoke with Guretzky via telephone, noting that the Commission was still receiving complaints about his continued use of the repeater and cautioning him against using the repeater.

The FCC said Guretzky “apparently willfully violated” Section 333 of the Communications Act and Section 97.101(d) of the FCC’s Amateur Service Rules, demonstrating “a deliberate disregard for the Commission’s authority and the very spirit of the Amateur Radio Service by continuing to interfere with the local repeater” despite having been warned.

Oldest Known US Ham Receives ARRL Centurion Award

The oldest known US radio amateur, Cliff Kayhart, W4KKP, received his ARRL Centurion Award plaque in November.



(L - R) Roanoke Division Director Bud Hippisley, W2RU; Cliff Kayhart, W4KKP; Roanoke Division Vice Director Bill Morine, N2COP, and South Carolina Section Manager Marc Tarplee, N4UFP.

The award recognizes hams who have achieved centenarian status. Kayhart, who lives in White Rock, South Carolina, is 108. The ARRL Board of Directors conferred the award on Kayhart at its July 2019 meeting.

At the November meeting of the Dutch Fork Amateur Radio Group in Little Mountain, South Carolina, ARRL Roanoke Division Director Bud Hippisley, W2RU, headed an ARRL delegation that presented the Centurion Award plaque to Kayhart, who was first licensed as W2LFE in 1937 (he's also held W9GNQ). With Hippisley for the presentation were Roanoke Division Vice Director Bill Morine, N2COP, and South Carolina Section Manager Marc Tarplee, N4UFP.

Kayhart served in Iwo Jima during World War II, shortly after the US victory there, setting up long-range radio communication from the island to Tokyo to arrange for the eventual surrender by Japan.

Kayhart remains active, checking into several nets from his assisted living facility. Centurion Award recipients have their annual ARRL membership fees waived while continuing to receive QST and other ARRL member benefits. Kayhart was profiled in the June 2018 issue of QST.

ARRL to Oppose Proposal to Eliminate 3.3 - 3.5 GHz Amateur Allocation

At its December 12 open meeting, the FCC will consider adopting a *Notice of Proposed Rulemaking (NPRM)* that proposes to remove the amateur radio 9-centimeter allocation at 3.3 - 3.5 GHz. ARRL plans to comment in opposition to the proposed action. According to an FCC "[Fact Sheet](#)," the proceeding WT Docket 19-348, "Facilitating Shared Use in the 3.1 - 3.55 GHz Band," is a follow-on from the MOBILE NOW Act, approved by the 115th Congress, which requires the FCC and the US Department of Commerce to make available new spectrum for mobile and fixed wireless broadband use. It also requires the FCC to work with the National Telecommunications and Information Administration ([NTIA](#)) to evaluate whether commercial wireless services and federal incumbents could share spectrum between 3.1 and 3.55 GHz. NTIA manages spectrum allocated to federal government users.

"This *Notice of Proposed Rulemaking* would propose to remove the existing non-federal allocations in the 3.3 - 3.55 GHz band as a step towards potential future shared use between federal incumbents and commercial users," the FCC Fact Sheet explains. "By taking the initial step needed to clear the band of allocations for non-federal incumbents, the Commission furthers its continued efforts to make more mid-band spectrum potentially available to support next generation wireless networks."

The *NPRM* proposes to clear the 3.3 - 3.55 GHz band of existing non-federal users by removing *non-federal secondary radiolocation and amateur allocations* [emphasis added] in the 3.3 - 3.55 GHz band and to relocate incumbent non-federal users out of the band. The FCC would seek comment on relocation options and "transition mechanisms" for incumbent non-federal users, either to the 3.1 - 3.3 GHz band or to other frequencies.

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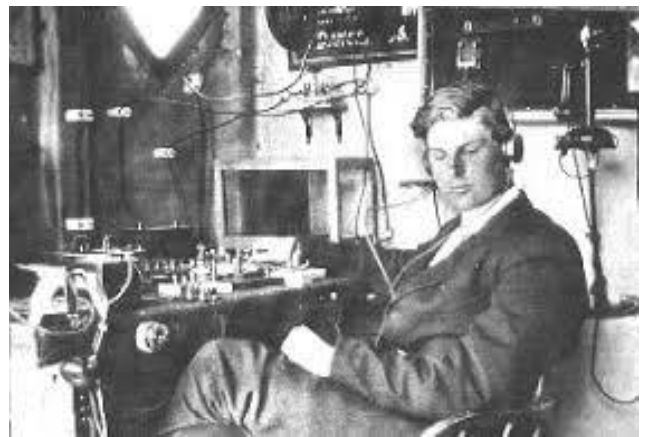
ARRL to Oppose Proposal to Eliminate 3.3 - 3.5 GHz Amateur Allocation

Regarding the Amateur and Amateur-Satellite Service allocations, the FCC *NPRM* asks whether existing amateur spectrum in other bands might support operations currently conducted in the 3.3 - 3.5 GHz band. The 3.40 - 3.41 GHz segment is designated for amateur satellite communication. "We seek comment on the extent to which the band is used for this purpose, whether existing satellites can operate on other amateur satellite bands, and on an appropriate timeframe for terminating these operations in this band," the FCC *NPRM* says.

Also, at its December 12 meeting, the FCC will consider another *NPRM* in WT Docket 19-138 that would "take a fresh and comprehensive look" at the rules for the 5.9 GHz band. The amateur radio 5-centimeter allocation is 5650.0 - 5925.0 MHz, and the *NPRM*, if approved, would address the top 75 MHz of that amateur secondary band. ARRL will also file comments opposing any changes affecting the 5-centimeter amateur allocation.

Both draft FCC proposals are subject to change prior to a vote at the December 12 FCC meeting, and there will be opportunity to file comments and reply comments on the final proposals after they are released.

Ham Radio pictures of the past



All above pictures are from the early 1920's

The Rainbow Canyons Amateur Radio Club (RCARC)
is Sponsoring an Amateur Radio

Technician Class

Beginner Level for Ham Radio

Dates: Thursdays - March 5, 12, 19, 26 and April 2, 2020
with the test, Thursday April 9, 2020

Time: 6:00 pm - 9:00 pm

Where: Cedar City Senior Center
489 E 200 South, Cedar City, UT 84720

Class Cost: Free

Study Manual: Free Download
Please bring to class

<http://www.ad7fo.com/media/TechLic2018.pdf>

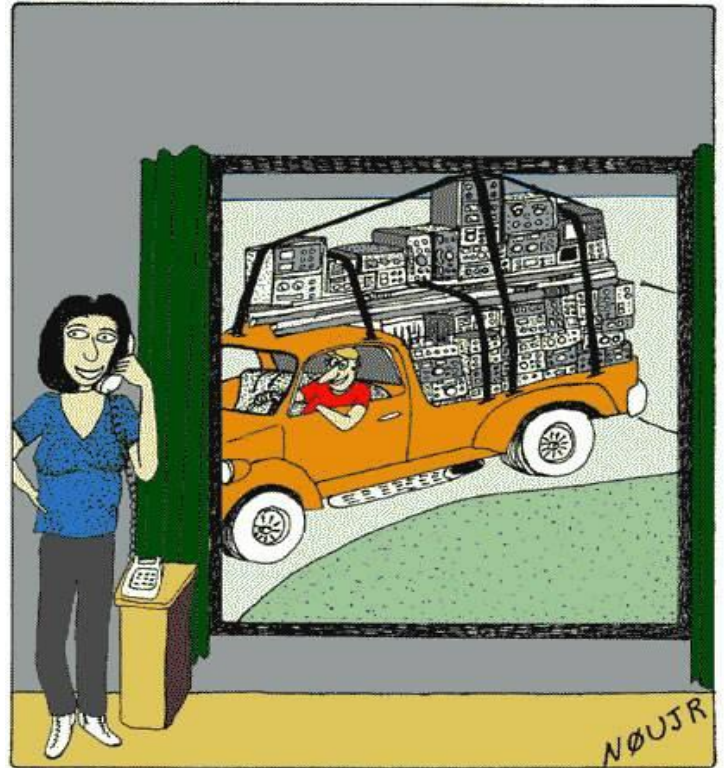
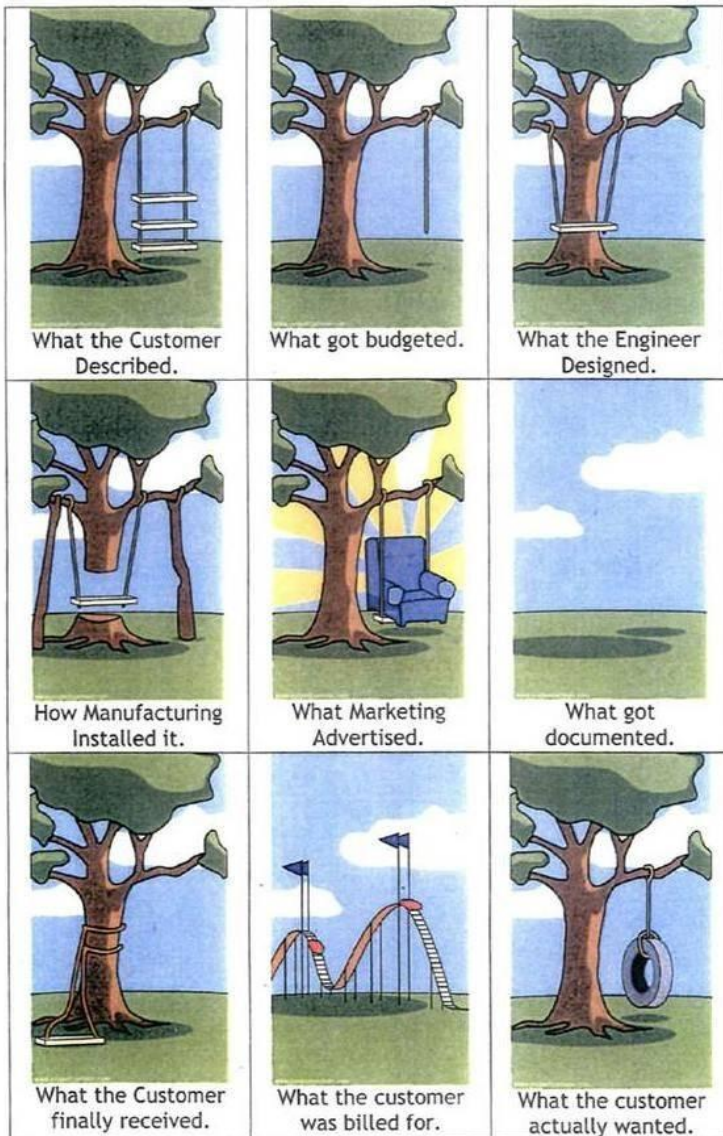


Contact to register:

Linda Shokrian KG7PBX
435-867-5914 or
email: Lgshokrian@gmail.com

There is a \$15 ARRL Test Fee

A Little Bit of Humor

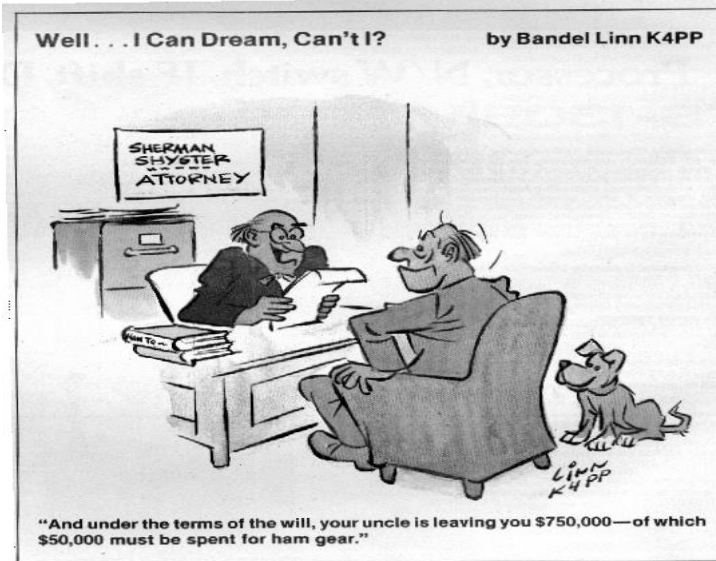


"No Greg went to the ham auction this afternoon, to get rid of a couple old radios that were cluttering up the place...Oh I think I hear him pulling in now!"

Copyright © 1999 by Greg Trook, NØUJR



"Harold!!! What are you doing wasting money on more USELESS radio equipment!!!!"



RCARC Christmas & Potluck Party Pictures



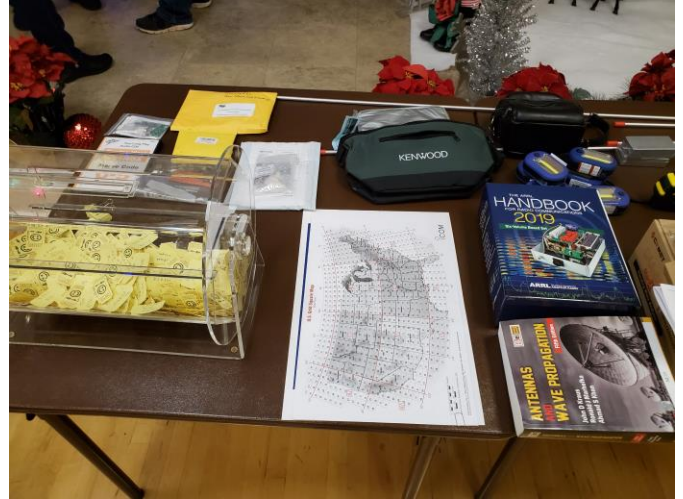
The Drawing for the Prizes is underway.



Lance (KA7J) a winner looking over the prizes. He took the Dipole Antenna.



Ken(KG7YIC) another winner looking over the prizes.



The above pictures are the items given away during the drawing. Dick (K17ZI) won the Comet CCA-Mark II Antenna analyzer (HF, UHF & VHF). Bruce (K17LUM) won the Yeasu FT70DR Duel Band Digital/Analog Hand Held Radio. Congratulations to all.

REPEATER ETIQUETTE

THE SUGGESTED ITEMS LISTED BELOW ARE GENERALLY CONSIDERED APPROPRIATE TERMS AND METHODS TO USE ON ANY REPEATER.

GUIDELINES

TAKE THE TIME TO LISTEN TO A REPEATER BEFORE YOU TALK.

SPEAK LIKE YOU WERE TALKING TO SOMEONE FACE TO FACE. KEY THE MIKE, AND THEN START TO TALK.

DON'T START SPEAKING AS YOU KEY THE MIC. REPEATERS HAVE A SHORT DELAY BEFORE TRANSMITTING. IF YOU START SPEAKING TOO SOON, YOUR FIRST FEW WORDS MAY NOT BE HEARD. MAKE SURE YOU HAVE FINISHED TALKING BEFORE YOU UN-KEY THE MIC. GIVE YOUR CALL SIGN CLEARLY, AND SLOWLY.

USE PLAIN ENGLISH AND AVOID JARGON AS MUCH AS POSSIBLE. Q-CODES ARE A MORSE CODE SHORT HAND. THEY ARE SOMETIMES USED ON SSB IN HF CONTESTING AND ON FIELD DAY, BUT SHOULD NOT BE USED ON REPEATERS. COMMON EXAMPLES ARE: QSL, QSY, QRT, XYL. ALSO, GIVING YOUR CALL THEN SAYING YOUR "ON THE SIDE" THIS IS NOT CB.

AVOID PHONETICS UNLESS ASKED TO DO SO. WHEN USING PHONETICS, USE STANDARD PHONETICS. "ALPHA, BRAVO, CHARLIE"... ETC. PHONETICS ARE COMMONLY USED WHEN CHECKING INTO NETS.

CONTINUED ON NEXT COLUMN

REPEATER ETIQUETTE

IF YOU ARE LISTENING AND WOULD LIKE TO HAVE A CONVERSATION, JUST GIVE YOUR CALL SIGN. YOU CAN ADD "MONITORING", OR "LISTENING". USING THE TERM "CQ" ON A REPEATER IS GENERALLY DISCOURAGED.

WHEN YOU WISH TO COMMUNICATE ON A FREQUENCY, LISTEN FOR A WHILE BEFORE TALKING, THERE MAY BE A CONVERSATION IN PROGRESS.

IF YOU WANT TO JOIN INTO A CONVERSATION, JUST GIVE YOUR CALL BETWEEN TRANSMISSIONS RATHER THAN USING THE TERM "BREAKER-BREAKER". YOU SHOULD BE ACKNOWLEDGED AND ALLOWED INTO THE CONVERSATION.

IN AN EMERGENCY, GIVE YOUR CALL AND SAY "EMERGENCY" RATHER THAN USING "BREAKER - BREAKER". SAYING "EMERGENCY" WILL MAKE IT CLEAR WHY YOU ARE INTERRUPTING AND IT WILL ALSO GET MORE ATTENTION FROM THOSE JUST LISTENING.

MAKE SURE YOU ID (STATE YOUR CALL SIGN) ACCORDING TO THE RULES. BUT AVOID OVER ID'ING. IF YOU ARE USING A REPEATER SYSTEM, THE REPEATER HAS A TIMER SO THAT IT CAN ID EVERY 10 MINUTES. WHENEVER YOU HEAR THE REPEATER ID; THAT IS A GOOD TIME TO SEND YOURS.

THERE IS NO NEED TO SAY YOUR CALL SIGN, THEN "FOR ID". YOUR CALL SIGN IS YOUR ID. JUST SAY IT!

CONTINUED ON PAGE 15

REPEATER ETIQUETTE

WHEN YOU ARE READY TO CLEAR THE REPEATER, JUST GIVE YOUR CALLSIGN AND SAY YOUR CLEAR. YOU DO NOT HAVE TO GIVE THE OTHER PERSONS CALLSIGN, THEY ARE RESPONSIBLE FOR DOING THAT, NOT YOU.

NEVER "KER-CHUNK" A REPEATER. THAT MEANS KEYING UP YOUR RADIO FOR JUST A MOMENT SO THAT THE REPEATER TRANSMITS, USUALLY YOU HEAR THE "COURTESY BEEP" AFTERWARDS. THIS IS ALSO ANNOYING TO THE REPEATER OWNERS AND CONTROL OPERATORS. IF YOU WANT TO MAKE SURE YOU ARE TRANSMITTING OKAY, JUST GIVE YOUR CALL SIGN, AND ASK FOR A RADIO CHECK IF ONE IS NEEDED OR GIVE YOUR CALLSIGN AND SAY THAT YOUR TESTING.

HAVE FUN. THESE ARE JUST A FEW POINTERS TO HELP YOU SOUND LIKE AN OLD PRO.

JUST BECAUSE OTHERS VIOLATE THESE GUIDELINES DON'T MAKE IT RIGHT. BE THE EXAMPLE OTHERS WILL FOLLOW.

DON'T FORGET TO THANK THE REPEATER OWNER FOR THE USE OF THE MACHINE!



FCC Amending Amateur Radio RF Exposure Safety Rules

"The sky is not falling here," ARRL Lab Manager Ed Hare, W1RFI, commented. "The major aspects of the rules will not impose major new burdens on the Amateur Radio Service. As in all regulatory matters, though, the devil may be in the details, so the ARRL technical staff, legal staff, and the experts on the ARRL RF Safety Committee are carefully evaluating this FCC document."

Under the revised Section 97.13(c)(1), "In lieu of evaluation with the general population/uncontrolled exposure limits, amateur licensees may evaluate their operation with respect to members of his or her immediate household using the occupational/controlled exposure limits in Section 1.1310, provided appropriate training and information has been accessed by the amateur licensee and members of his/her household," the amended rule says.

"RF exposure of other nearby persons who are not members of the amateur licensee's household must be evaluated with respect to the general population/uncontrolled exposure limits. Appropriate methodologies and guidance for evaluating Amateur Radio Service operation is described in the Office of Engineering and Technology (OET) **Bulletin 65, Supplement B**," the revised rule concludes.

The FCC said it was not persuaded by ARRL's argument in its comments that the routine evaluation exemption for amateur radio stations operating below a certain power threshold should be maintained. "Amateur radio licensees operate a variety of installations of different size, power, and frequency, which can be located in close proximity to people, giving rise to various RF exposure concerns," the FCC noted.

In a meeting with FCC OET Chief Julius Knapp and senior staff in early November, ARRL asked the FCC to make available on the internet a calculator to facilitate making the correct calculations the rules require. ARRL said that would be preferable to unofficial third-party calculators, the results from which might not be accorded the same degree of deference in local disputes. Several software programs were suggested as models.

Continued on Page 16

Continued from Page 15

FCC Amending Amateur Radio RF Exposure Safety Rules

The FCC did not single out amateur radio in drafting its latest RF exposure rules. The rules affect multiple services, and exemptions for many other services were also deleted as part of a broader policy driven by a proliferation of RF devices, some resulting in situations where gain antennas are sited much closer to people than was expected in 1996 when the rules were last revised. Check out the Amateur Radio RF Safety Calculator at the below URL.

http://hintlink.com/power_density.htm

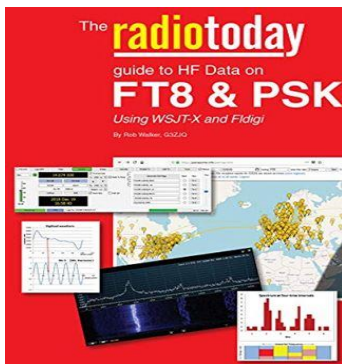
RCARC New Book Give Away Program

Book give away coming to the RCARC Monthly Meetings starting this month. Member, Linda Shokrian (KG7PBX) has access to Ham Radio oriented books. She will be donating a book each month to give away at the meeting.

How will it work?

When you arrive at the meeting and sign-in a number will assigned to your name. Sometime during the meeting, a drawing will take place and a number drawn. That number will then be checked by looking at the roster. The person with the drawn number next to their name is awarded the book.

Below is a picture of the book that will be given away at this month meeting.



Winter Field Day 2020

Winter Field Day 2020 will be held on January 25, 2020 at 12:00 pm. to January 26, 2020 at 12:00 pm.

Field Day will be held at Three Peaks Recreation Area located about 10 miles northwest of Cedar City.

RCARC will be utilizing the Iron County Emergency Management E-Comm Trailer.

Fred (KI7TPD) has applied and received authorization to use call sign W7U for Field Day.

More detailed information will be available at the January 14, 2020 RCARC Monthly Meeting.

Extra Class Study Group

RCARC will be sponsoring an Extra Class Study Group on Monday & Wednesday's starting Monday, January 13, 2020 at 6:00 pm. The classes will be held at Southern Utah University (SUU) Library.

Now's the time to upgrade before the new test questions are released.

If you would like to sign up for the Study Group please submit, your name, call sign, phone number and the words Extra Class in the Subject line to:

rcarcnewsletter@gmail.com

Or contact Ed KK7ZL or Fred KI7TP.



The RCARC Members have spoken and the following Club Members were elected at the December Meeting to be the new 2020 Club Officer's.

Name	Position
Fred Govedich - (KI7TPD)	President
Ron Shelley - K7HDX)	Vice President
Bonnie Baine - (KI7WEX)	Secretary
Larry Bell - (N7SND)	Treasurer
Dennis L. West - (W6DLW)	Newsletter Editor

