

Rainbow Canyons Amateur Radio Club Newsletter



Club Website: www.rcarc.info Number 8 – Vol. 4 – April 2026

Club Meeting Information

The RCARC Meets at 7:00 pm on the 2nd Tuesday of each month at the Cedar City Senior Center at 489 E. 200 S. Down stairs-North side of building.

2026 Club Officer's

President:

Fred Govedich

KI7TPD

1-435-559-2682

fred.govedich@gmail.com

Vice President

Ron Shelley

K7HDX

1-623-261-6555

ronald.shelley@gmail.com

Secretary

Bonnie Bain

KI7WEX

1-435-865-1653

Bonnie.bain@gmail.com

Treasurer

Linda Shokrian

KG7PBX

1-435-867-5914

lgshokrian@gmail.com

Newsletter Editor/Historian

Dennis L. West

W6DLW

1-760-953-7935

rcarcnewsletter@gmail.com

CQ,CQ, Happy Easter 2026



Presidents Message

Dear Fellow Amateur Radio Operators,

Hope everyone is having a wonderful start to the spring (with its crazy warm temperatures) and that you are looking forward to our June 13th Swap meet and summer Field Day (June 27-28)! In the meantime the bands have been great so I hope you can get out and enjoy your radio. This is a great time to try out some POTA (Russ (N7BO) and Dick (K7ZI) have been giving it a try). Our technician class is off to a good start and it is wonderful to see all of the new technician class students and I wish them all luck with the test in a couple of weeks. We should have a batch of new members so we may have some new HAMs needing our help of the upcoming months so please make sure to introduce yourself and offer a friendly hand!

Continued on page 2

RCARC Club Nets:

7:00 am Breakfast Net- Monday – Saturday – 146.760.

12:30 pm Daily – Utah Beehive Net On 7.272.

8:30 pm Tuesday's- ORCA Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.

8:00 pm Wednesday – Panguitch Net – 147.160.

7: pm. Thursday– Morse Code Net- This is a Zoom Meeting.

8:30 pm Thursday's- WDN Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.

8: pm Saturdays – SSTV – 449.925.

9:00 pm Daily – Friendship Net – 146.760.

11: am Saturdays (Mtn. Time) QCWA – 160 Net, Utah Chapter, 12: pm Freq. 7.272.

8:00 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.

Continued on page 2

Save The Date

April 14, 2026

RCARC Club Meeting.
7:00 pm. Cedar City Senior Center, 489 E. 200 South. [More info to follow](#)

May 12, 2026

RCARC Club Meeting.
7:00 pm. Cedar City Senior Center, 489 E. 200 South. [More info to follow](#)

June 16, 2026

RCARC Club Meeting.
7:00 pm. Cedar City Senior Center, 489 E. 200 South. [More info to follow](#)

June 14, 2026

RCARC Club Meeting.
7:00 pm. Cedar City Senior Center, 489 E. 200 South. [More info to follow](#)

Presidents Message continued from page 1

April 14th we will be discussing some digital radio options.

I encourage you all to play, share, and have fun on the radio! If you are interested in any aspect of HAM radio please explore the topic, experiment, and share what you have done with the group! That is what makes this such a fun hobby! Don't be shy, we are all friends here!

In service,

Fred Govedich (KI7TPD)

Local Repeaters continued.

From page 1

Rowberry:

449.925 MHz – Tone 100.0 VHF
Remote

Dutton:

147.160 MHz + Tone 100.0 Hz.

Winlink- Gateways

Local VHF – K7HDX-10 – 145.030
Portable VHF – K7HDX –11-- 145.050
Local VHF – KG7VEI -- 145.070

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.



Congratulations



Happy Birthday and Anniversary to those celebrating in April



Happy Easter

Breakfast & Friendship Net Awards March 2026

Breakfast Net		Friendship Net		
First Place	Second Place	First Place	Sylvia - N7SIY	Third Place
Art - K7AK	Dick - K7ZI	Ron - K7HDX	Darlene - N7WWB	Dick - K7ZI
Shirleen - KB7QXB	Johnny - KE6ZIM	K7NKH - Lee	Kevin - W0KLH	Fred - KI7TPD
Tony - KC6WFI	Tammy - KI7LVB	Shirleen - KB7QXB	Dennis - W6DLW	Bonnie - KI7WEX
Sonja - KD6HYH	Sylvia - N7SIY	Bruce - KI7LUM	Paul - WA7GVL	
Linda - KG7PBX	Larry - N7SND	Tammy - KI7LVB	Second Place	
Russ - N7BO	Third Place	Tim - KI7LVC)	Larry - N7SND	
Kevin - W0KLH	Tim - KI7LVC	Brant - KJ7LTQ		
Paul - WA7GVL	Fred - KI7TPD	Maddie - KK7FLL		
	Bonnie - KI7WEX	Russ - N7BO		

Rainbow Canyons Amateur Radio Club Treasurer Report Mar 10, 2026

Bank balance Feb 1, 2026	\$2,825.88
Deposit	
Membership - K7VXV, WB7FET, WA7GVL, KE6ZIM, W5COL, KA7SEZ, KI7TPB, KI7WEX,, AL7BX, KK7FLP family, N7DN, KG7VEI family	+ 170.00
Expenses	
Rocky mountain Power (98 repeater elec exp)	- 10.42
Service cancelled Mar 2026 - totally solar powered final bill to be paid in April	
Bank Balance Feb 28, 2026	\$2985.46
March Outstanding	
Membership K7HZZ	+15.00
Expenses -	
Rocky Mountain Power (due 3/18/2026)	-10.42
Funds Available after Mar 18, 2026	\$2,990.04
Submitted by Linda Shokrian KG7PBX 2025 RCARC Treasurer 435-867-5914	

RCARC Upcoming Events

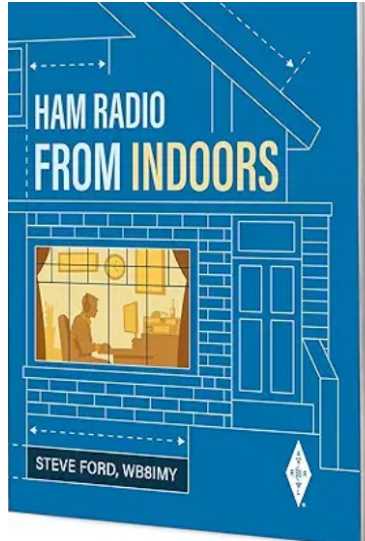
- April 2, 2026** 5th RCARC Ham Technician Class and VE review 6:00 pm. Cedar City Senior Center, 489 E. 200 S. North side of building, Lower level.
- April 9, 2026** Technician Class Testing Session 6:00 pm. Cedar City Senior Center, 489 E. 200 S. North side of building, Lower level.
- April 14, 2026** RCARC Club Meeting. 7:00 pm. Cedar City Senior Center, 489 E. 200 S. North side of building, Lower level. **Presentation: To Be Determined.**

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RCARC Book Giveaway.
Books are donated by Linda Shokrian (KG7BPX).

The book below will be given away at the April 14, 2026 Meeting.



The Book below was given away to Anthony (KC6WFI) at the March 10, 2026 meeting



Congratulations

Anthony

See Picture on Page 16

Contact Us

Mailing Address:
195 E. Fiddler Canyon Rd.
Cedar City, Utah 84721
Club Email:
Cedarcity.rcarc@gmail.com
Newsletter Email:
rcarcnewsletter@gmail.com
Website:
www.rcarc.info
Facebook Page:
<https://www.facebook.com/groups/440325486875752>
To Join RCARC or Pay dues:
Go to www.rcarc.info select "Club Info" then join RCARC. Follow the instructions on the template.
Make checks payable to RCARC.
Please write call sign on check





Buzz's April Safety Tip(s)



Ham Radio Safety Tips

April Ham Radio Safety focuses on navigating volatile spring weather, increased rain, and, specifically in April, Distracted Driving Awareness. Key tips include using proper PPE (waterproof gear, UV protection), staying hydrated, ensuring vehicle maintenance (wipers/tires), and, in April, managing, being aware of and avoiding, distracted driving.

Here are specific April Ham Radio Safety tips

Weather & Environmental Hazards

- Prepare for Rapid Changes:** April brings fluctuating temperatures and sudden, heavy rain. Wear layers, and keep waterproof clothing and boots with high-traction soles readily available.
- Slip/Fall Hazards:** Spring showers create slippery surfaces. Clean work areas regularly to remove debris.
- Lightning Safety:** April is the start of severe storm season in many areas. Know your emergency protocols for lightning.
- Sun Protection:** Even when it is cool, the sun can cause harm. Use sunscreen (SPF 15+), wear sunglasses, and use long-sleeved clothing to prevent sunburn when outside.

Continued next column

Vehicle & Road Safety

- Drive Defensively:** April is Distracted Driving Awareness Month, making it crucial to stay focused, especially during rain-related low-visibility conditions.
- Check Maintenance:** Ensure windshield wipers are in top condition for April showers.
- Monitor Tires:** Frequently check tire pressure, as temperature fluctuations can impact pressure and cause, which might result in, accidents.

On-Site Safety

- Electrical Hazards:** Be aware of downed or damaged live wires, which are common after heavy rains.
- Wildlife & Vegetation:** Watch for ticks (Lyme disease risk) and poisonous plants as nature awakens.
- Site Security:** Maintain clear, well-lit paths to electrical meters or equipment, and keep shrubs trimmed.
- Use the 20-20-20 Rule:** Every 20 minutes, take 20 seconds to look 20 feet around you to evaluate potential, or new, hazards.

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RCARC March Technician Class

Thursday March 5, 2026 RCARC hosted the first night of the Technician Class License Classes **This first session** covered Sub-Elements **T1** – A, B, C and D with Ron Shelley (K7HDX). Sub-Elements **T1** – E, F and **T2** – A, B and C with Fred Govedich (KI7TPD).



March 5, 2026 Technician Class Attendees

The second session on Thursday March 12, 2026 covered Sub-Elements **T3** – A, B, and C, **T4** – A and B with Dennis West (W6DLW). Sub-Elements **T5** – A, B, C, and D with Ken Richter (KR7KR).

The third session on Thursday March 19, 2026 covered Sub-Elements **T6** – A, B, C and D with Gavin Hollinger. (KC7IHE). Sub-Elements **T7** – A, B, C and D with Lance Jackson (KA7J).

The fourth session on March 26, 2026 covered Sub-Elements **T8** – A, B, C and D with James Moore (KG7VEI). Sub – Element **T9** – A and B with Ken Munford (K7KM).

The final and fifth session is scheduled for April 2, 2026 and will cover Sub-Element **T0** – A, B and C with Dick Parker (K7ZI) and Ron Shelley (K7HDX) presenting the VE review.

Testing will be held on April 9, 2026 at 6:00 pm at the Senior Center.

Continued next column ;



Ron Shelley (K7HDX) presenting Sub-Elements **T1** – A, B, C and D.



Fred (KI7TPD) presenting Sub-Element **T1** – E and F and Sub – Elements **T2** – A, B and C.

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RADIO NEWS

H. GERNSBACK, Editor and Publisher
SYLVAN HARRIS, Managing Editor

EDITORIAL AND GENERAL OFFICES, 53 PARK PLACE, NEW YORK

Vol. 7

APRIL, 1926

No. 10

The DX Listener

By HUGO GERNSBACK

In the whole annals of human endeavor, there has never before been a condition such as that in which most of humanity now finds itself. I speak of radio broadcasting and of the man who, although perhaps snowed-in somewhere in the hills, has the entire world laid open to him and, so to speak, at his beck and call. He turns a dial or two, adjusts a knob, and listens in to the President of the United States speaking from Washington; or, by moving the dials a fraction of an inch, he may hear a singer from the Metropolitan Opera; or, if his set is sensitive enough, another twist will bring in an English, or a Mexican station. This is the condition which we find, not only in this country, but in almost every other one on the globe, as well, where close parallels to it abound.

During the past year or so it has been asserted, rather vehemently in some quarters, that DX listening is rapidly passing out, and that people are relying upon only their local stations for amusement. While there is, of course, some truth in this, I find no general evidence that all listeners wish local programs only. At first the man who buys a ready-made set is, of course, not aware of the intricacies and delights of fishing for distant stations with his set; so he will be satisfied for some time to listen in to the various local stations or other nearby ones.

After a while, however, these begin to pall; and when his friends begin to tell him of this or that distant station which they have heard, he too will be bitten by the DX bug. Sooner or later he will fall victim to the ever-increasing radio wanderlust; for the army of DX listeners is increasing rather than decreasing, as an unprejudiced investigation will show.

For instance, every time *Radio News* publishes a description of a circuit or a set that is known to bring in the distance, we immediately become deluged with thousands of inquiries from readers who already have a set, but wish to get another more sensitive than their present receiver. This is not, by any means, an unusual occurrence, but is repeated continually, as every editor of a radio magazine or newspaper understands well.

Not only that, but actual investigation among some of the foremost stores has revealed that the male purchaser, when he comes to buy a set, insists that it must perform for DX, otherwise he does not want it. Radio dealers will tell you that, when sets are sent on approval, the male members of the household, before committing themselves to the purchase of the set, insist upon having a demonstration that the set can bring in the distant stations; and while the buyer may, possibly, not try to fish for DX stations every hour of the night, he will do so much more frequently than is suspected.

The studious young man, as well as the man with the investigating turn of mind, will sit before the set until the wee hours of the morning, filling up his log book with call letters of stations, hundreds and thousands of miles distant from his locality. I make bold to assert that, if any sets were to be placed upon the market, today, that could be guaranteed to bring in stations from the other side of the ocean, no manufacturer could make them fast enough to supply the demand; and if the truth were known, most of our manufacturers are always striving to attain that perfection. The sets to come out in the future will be more sensitive than anything that we have known up to today; because it really is possible to build sets to receive with fair regularity distances of 4,000 and 5,000 miles, and such sets will be built for the average customer in a not-too-distant future.

At present, DX listening must always be taken with a grain of salt. Stations that come in excellently one night may be heard the next night only above a whisper, or not at all. The

reason is, of course, that it is not the set that is at fault, but, rather, the vast ocean of ethereal disturbances which we term "atmospherics." This little-charted ocean changes from hour to hour and from minute to minute. Electrical stresses set up in the atmosphere are probably the reason for most of our poor DX reception. On a so-called good listening night, these electrical stresses are, probably, to a great extent neutralized, which makes the transmission of the electromagnetic radio waves much easier and, consequently, they will penetrate much further. Barometric fluctuations, electrical storms, snow storms, sudden changes of temperature, all reduce radio reception to a minimum; while the absence of these makes for better reception.

From this it can be seen that the best radio set may not be able to pull in the distant stations when such natural phenomena abound.

How can these effects be overcome in the future? In several manners. First, super-power will make it possible for the waves from a broadcast station to get through bad atmospherics, by sheer strength. On the other hand, receiving sets may be developed to a sensitivity so great that, even if the signals are very weak, they still may be received partly through the ground. It should always be remembered that, in all radio reception, the ground-wave is as important as the wave coming through the air.

As many broadcast listeners know, who own extremely sensitive sets, radio reception can be had by the ground lead alone; and if this is used DX reception is frequently excellent, even though with the ordinary aerial it may not be good at all. Mr. James Harris Rogers, of "underground-aerial" fame, demonstrated this sufficiently by burying his aerial underneath the ground; and by this means even radio's worst bugaboo, static, was eliminated to a very great extent.

Who knows, therefore, but that the coming radio receiver will be operated by the ground method entirely, without relying upon loops or aerials? This would certainly be an improvement, because the aerial and loop pick up not only nature's static, but man-made static, which escapes from electrical insulators, power houses, all sorts of electrical appliances, etc.

As I have said before, DX reception is always a more or less unknown quantity; but even during the best "radio weather" a set may bring in a station loudly a thousand miles away, while a station much nearer, say two hundred miles, will not be heard at all. Many people are constantly puzzled as to this; but there is, as a rule, a simple remedy. The aerial commonly used in such cases is directional; that is, if your aerial runs in the direction of the station which you wish to receive, that station, as a rule, comes in best. If you wish to receive DX stations from all points of the compass, it would be best to have what is called an "umbrella aerial," which is simply a vertical mast from which single wires, thirty or forty feet long, radiate in all directions. A description of such an aerial can be found in all radio text books.

By means of an umbrella aerial it is possible to receive equally well from all directions; although this type has the disadvantage of causing some interference, particularly between stations close together in their wave-lengths.

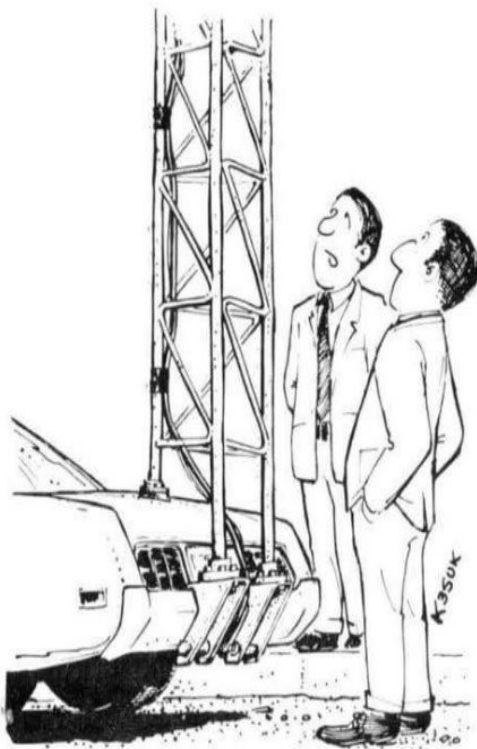
After all is said and done, my sympathies are entirely with the DX listener; for I can not imagine any greater thrill than that which comes to me when I listen, as I often do, to a station thousands of miles away. It is the greatest triumph yet achieved by mind over matter; and it should certainly be utilized to the utmost extent.

Ham Radio Terminology Word Scramble

#	Scramble	Hint	Word
1.	rtelnpitrer	Converts keystrokes to electrical impulse	
2.	uncperiyay	Payment of any type	
3.	gri	Term for transmitter	
4.	ntrleeco	Negative charged particle	
5.	ycergmene	Danger to life or property	
6.	prcih	Shift in transmitter frequency	
7.	gbrnoiatdsca	Signal received by general public	
8.	wraetttem	Power reader	
9.	shwcit	Connect or disconnect	
10.	jruemp	Connect two parts	

See page 11 for answers to Ham Radio Terminology Word Scramble

Some Ham Humor



"I'll betcha a steak dinner that he's not married."



—73 O.M., I REALLY MUST SIGN NOW -----

The Following Article or Adventure was Submitted by Club Member Ben Palmer (N7MZZ)

Chasing Parks and Calling CQ: My POTA Adventure

Working POTA stations is a lot more fun than I expected!

At first, it was just neat to talk to hams in other states. But then I discovered the awards...

Through Parks on the Air (POTA), there are awards for working parks in all 50 states. Awards for working parks early in the morning. Awards for working parks late at night. Awards for working a certain number of parks... and then even more awards for working even more parks! The list goes on and on.

Being a hunter is the easy part. The ham at the park — the activator — is the one who submits the logs. All you have to do is create an account on the POTA website, log in, and after a session on the radio you can sit back and watch the awards roll in.

Right now I'm chasing my 50 States award — just a few more to go! Wish me luck with Maine, Vermont, Alaska, and Connecticut. I'm thinking the middle of winter may not be the ideal time to activate a park in some of those states...

From Hunter to Activator

After a couple of months of working parks from home, I decided it was time to try being the activator.

After a bit of wrestling (and a few choice words), I tied the base to a fence post and pushed up the mast.

For work, I travel throughout Southern Utah and occasionally into Nevada. That means I get to drive through some incredible scenery. One of my favorite routes is the drive out to Hanksville, passing through Capitol Reef National Park. It seemed like the perfect excuse to combine work and radio.

I made a goal: build a portable station that could live in my truck and be set up quickly at any park along the way.

My first “shakedown cruise” was at the Hanksville airport. I had some extra time while working on equipment, so I cut the end off some coax, soldered on some wire, and built a quick 10-meter dipole. I hung one end on a building and gave it a try.

Nothing.

No one could hear me.

Maybe the antenna was too low. Maybe band conditions were terrible. Either way, it was clear I needed something better — something full-sized and elevated.

Bigger Antenna, Bigger Results

After some trial and error, I built a full-size fiberglass dipole for 20 meters and mounted it on a military surplus aluminum mast. With solid guy lines, it's mostly stable.

My first real activation stop? Capitol Reef. It was getting dark, but I decided to go for it anyway.

It took about 45 minutes to assemble and raise the antenna. My original plan was to tie the mast to a juniper tree, but the antenna elements kept snagging in the branches.

Continued next column

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Chasing Parks and Calling CQ: My POTA Adventure

Continued from page 9

It only fell over a few times before I got it secured.

Thankfully, it didn't land on me — and even more thankfully, the fiberglass elements survived.

The Sound of Silence

Then I turned on the radio... and heard magic. At my house in Cedar City, my background noise is usually around S7. But out in the park — far from power lines, streetlights, and solar inverters — the noise level was around S2.

It was quiet. Beautifully quiet. Stations from all across the country were suddenly loud and clear. I quickly worked a few activators calling "CQ POTA." Then I decided to take a deep breath and try it myself. "CQ POTA..."

Within seconds, callers started stacking up. Fifteen stations in ten minutes! I was hooked. By then it was dark, the bats were out, and I decided that was a good note to end on. I signed 73 and packed everything up.

Final tally for the evening: 24 contacts.

Why I Love It

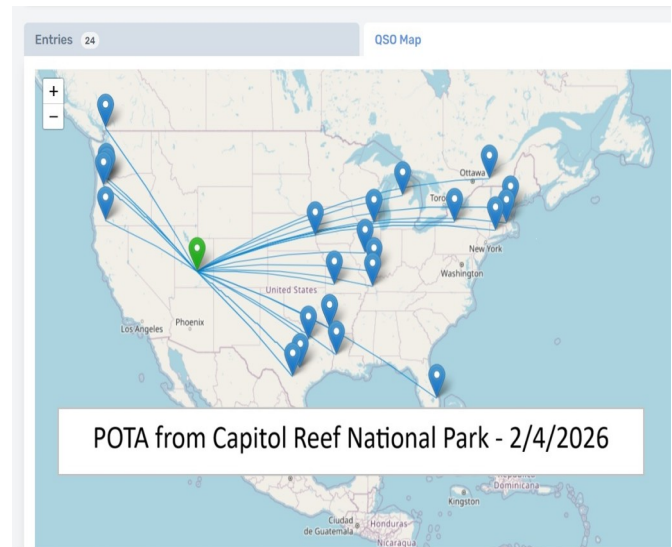
One thing I've really grown to appreciate about POTA is how easy it is to get involved — and how welcoming everyone is. Whether you're hunting from home or activating from a picnic table, there's a sense that we're all part of the same adventure.

Sure, chasing awards might sound a little cheesy. But it's undeniably fun.

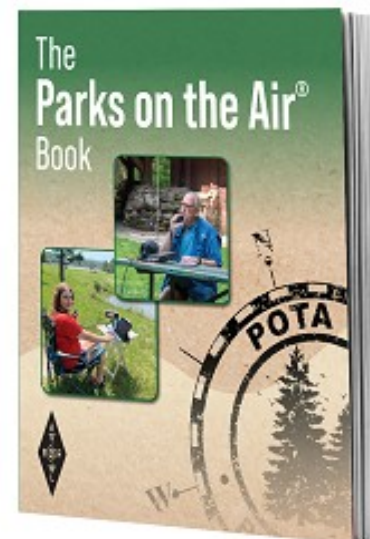
Continued next column

Sure, chasing awards might sound a little cheesy. But it's undeniably fun.

And there's something unforgettable about calling CQ as the sun drops behind red rock cliffs or fades across an open desert. You might be the only person for miles — yet in that moment, you're anything but alone.



73,
N7MZZ



NEW HAMPSHIRE POISED TO OK HAM RADIO LICENSE PLATES

In the US, the state of New Hampshire is poised to approve amateur radio license plates for vehicles registered to hams.

Amateur radio operators in New Hampshire are eagerly awaiting the passage of a measure by their state lawmakers to create a new vanity license plate type for motor vehicles that “clearly identifies the owner of the vehicle to be an amateur radio operator.”

A public hearing was held last month on the House Bill which would “authorize the creation of vanity license plates and decals that identify amateur radio operators by their Federal Communications Commission call sign.

If the owner chooses not to display their call sign they may use a standard issue plate featuring a lightning bolt symbol to indicate their status as a licensed amateur radio operator.”

If lawmakers approve the bill, it would still need the signature of Gov. Kelly Ayotte (AY-ott) before becoming law. Gov. Ayotte (AY-ott) has shown support of ham radio, proclaiming June of last year "Amateur Radio Month" in recognition of radio operators' important roles in public service and emergency communications.



REPAIRS DELAY ARTEMIS 2 LAUNCH FOR AT LEAST A MONTH

If you were looking forward to the launch of NASA's Artemis 2 moon rocket in March, you're going to have to wait a bit longer. Kent Peterson KCØDGY brings us an update.

The Artemis 2 moon rocket is leaving the launch pad at Florida's Kennedy Space Center, but not for its trip in the direction of the moon – at least not yet. As was expected, the rocket is headed toward the Vehicle Assembly Building on site where NASA can address a helium blockage affecting the rocket's upper stage.

The space agency, which had announced an original launch window beginning March 6 for the test flight's liftoff, has said the repair could delay things for a month or more. This is to be the first crewed moon mission in more than 50 years. Four amateur radio operators are among the 34 volunteer observers around the world chosen recently to passively track radio waves transmitted during the mission.

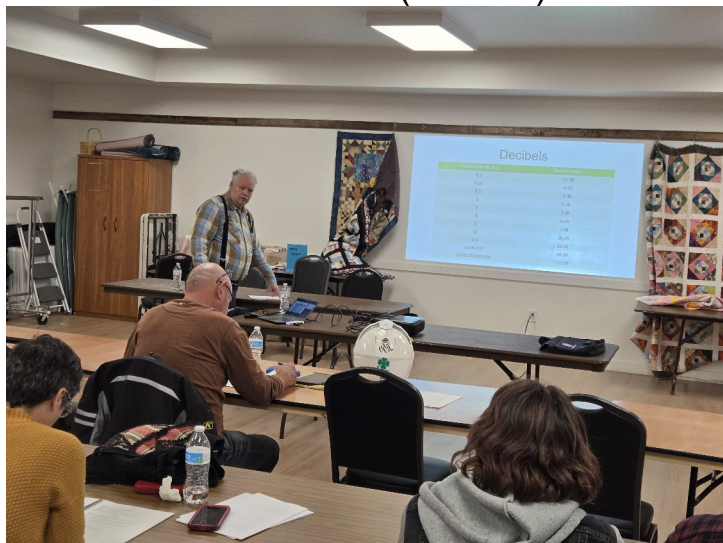
Answers to Ham Radio Terminology on page 8

#	Word
1.	Teleprinter
2.	Pecuniary
3.	Rig
4.	Electron
5.	Emergency
6.	Chirp
7.	Broadcasting
8.	Wattmeter
9.	Switch
10.	Jumper

RCARC March Technician Class

Continued from page 6

The second session on Thursday March 12, 2026 covered Sub-Elements T3 – A, B, and C, T4 – A and B with Dennis West (W6DLW). Sub-Elements T5 – A, B, C, and D with Ken Richter (KR7KR).



Ken (K7KZR) presenting Sub-Element T5 – A, B, C and D.



Class attendees listening to Ken (KR7KR) Presentation.

Continued next column

The third session was presented on Thursday March 19, 2026 covered Sub-Elements T6 – A, B, C and D with Gavin Hollinger. (KC7IHE). Sub-Elements T7 – A, B, C and D with Lance Jackson (KA7J) **No pictures available.**

The fourth session on March 26, 2026 covered Sub-Elements T8 – A, B, C and D with James Moore (KG7VEI). Sub – Element T9 – A and B with Ken Munford (K7KM). **No Pictures available.**

The final and fifth session is scheduled for April 2, 2026 will cover Sub-Element T0 – A, B and C with Dick Parker (K7ZI) and Ron Shelley (K7HDX) presenting the VE review.

Testing will be held on April 9, 2026 at 6:00 pm at the Senior Center.

Save the dates

1. RCARC Swap Meet on Saturday June 13, 2026 at 09:00 am. Christ the King Catholic Church at 690 Cove Drive (just South of the Temple) in the Pavilion. See flyer on page 17 or at www.rcarc.info.com.
2. Summer Field Day at Three Peaks Regional Park in the Pavilion. June 27 and 28. More info to follow.



Ham Radio Operator Tips

•Antennas & Hardware:

•**Height is Key:** A simple, high-placed antenna outperforms an expensive radio with a poor antenna.

•**Improve HT Performance:** Avoid using handheld radios (HTs) indoors; use a "roll-up slim jim" antenna in a window for better signal.

•**Cable Marking:** Use oil-based paint markers (like Sharpies) to mark cable orientations for quick, correct connections.

•**Portable Power:** Keep digital copies of radio manuals in your phone's cloud storage for field reference.

•Operating & Procedures:

•**Etiquette:** Pause 2-3 seconds after pressing the PTT button to ensure the first part of your transmission isn't cut off.

•**Phonetics:** Master the NATO phonetic alphabet for clear communication, especially in poor conditions.

•**Logbook:** Keep a log of contacts for records, legal requirements, and QSL card exchanges.

•**Local Nets:** Participate in local VHF/UHF nets to meet operators and increase activity.

Continued next column

•Software & Digital:

•**Programming:** Use the free software **CHIRP** for easier radio programming.

•**Monitoring:** Use tools like Repeater Book to find local repeaters.

•Learning & Community:

•**Find an "Elmer":** Seek out an experienced mentor (Elmer) in a local club.

•**Study Hacks:** Use online practice exams to focus on weak areas rather than just reading the manual.

•**Audio Quality:** Note that female voices are often more symmetrical, which can help cut through noise better.

Common Pitfalls to Avoid

•**Do not** transmit without a valid license.

•**Do not** forget to identify yourself with your call sign at the start and end of transmissions.

•**Do not** use 10-codes (e.g., "10-4"); use standard, plain language.



Ham Radio Word Search

Operating Procedures

O	P	Y	I	O	P	R	O	C	E	D	U	R	E	S
G	U	B	C	G	P	W	O	M	T	N	Z	E	V	J
N	H	M	E	N	R	T	Y	J	O	Z	N	T	K	S
I	Y	H	J	N	E	L	P	I	C	M	O	R	E	E
T	M	X	P	V	F	U	T	C	X	A	I	A	E	N
A	C	C	Q	A	L	P	Q	L	C	Z	T	N	J	I
R	V	E	J	A	E	I	O	E	Q	G	A	S	I	L
E	S	D	T	C	W	C	U	W	R	B	C	M	K	E
P	Z	I	E	I	O	K	H	U	S	F	I	I	Y	D
O	T	R	G	T	Q	L	H	B	T	T	N	S	T	I
G	W	U	O	N	Y	U	G	V	N	B	U	S	T	U
T	L	R	V	V	A	R	E	H	R	J	M	I	I	G
A	P	Y	T	D	S	L	J	T	F	T	M	O	E	G
X	O	H	H	O	X	Z	S	L	T	J	O	N	X	Z
P	N	J	F	Q	V	Z	X	G	M	E	C	U	Y	T

Procedures	Operating	Communications	Etiquette	Protocol
Guidelines	Signals	Transmission	Reception	Frequency

Ham Radio Safety Tips

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Personal Health

- Hydration:** Always keep a reusable water bottle available, as dehydration can occur even in mild temperatures.
- Protect Your Skin/Eyes:** Use safety goggles and, [gloves, when needed for, protection.](#)



Happy Easter

Maritime Radio Day 2026

Maritime Radio Day (MRD) 2026 is an annual event held from April 14th (1200 UTC) to April 15th (2200 UTC), celebrating nearly a century of maritime wireless service. Organized by [The Radio Officers Association](#), the event encourages former radio officers and "friends" to connect via CW (Morse code) on amateur radio bands.

Key details for MRD 2026 include:

- Registration:** Open from Jan 1st until April 1st (midnight) via the [ROA website](#).
- Bands:** 160m, 80m, 40m, 20m, 15m, 10m, and WARC.
- Frequencies (kHz):** 1824, 3520, 7020, 10118, 14052–55, 21052, and 28052.
- QSO Exchange:** QRK (readability), name, and call sign of the last or favorite ship/coast station.
- Logs:** Due by May 1st to receive a certificate.



RCARC March 2026 Club Membership Meeting and Presentation



Members arriving and enjoying conversation before the meeting starts



Ron (K7HDX) bringing the meeting to order



Ron (K7HDX) conducting club business



Tony (KC6WFI) was the book giveaway winner. The ARRL Operating Manual.



Gavin (KM7AGH) was the winner of the UV5R Baofeng Hand Held Radio donated by Mel Parkes (NM7P) from ARRL.

Meeting Presentation

Mel Parkes (NM7P) the Utah ARRL Regional Director provide a very through overview of the American Radio Relay Leauge (ARRL) Structure.

He discussed the Leauge's history and origin along with the organizations structure from the CEO to its members. The many programs that are available to members and clubs, magazines, books, training manuals, volunteer examiner testing and much, much more.



Rainbow Canyons Amateur Radio Club Ham Radio Gear Swap Meet

Come Join Us and bring your excess gear to sell



Date: Saturday June 13, 2026
Set Up: 8:00 AM.
Start & End Time: 9:00 AM to 12:00 or 1:00 PM.
Location: Christ the King Catholic Church.
690 Cove Drive, Cedar City. In the pavilion to rear of church.

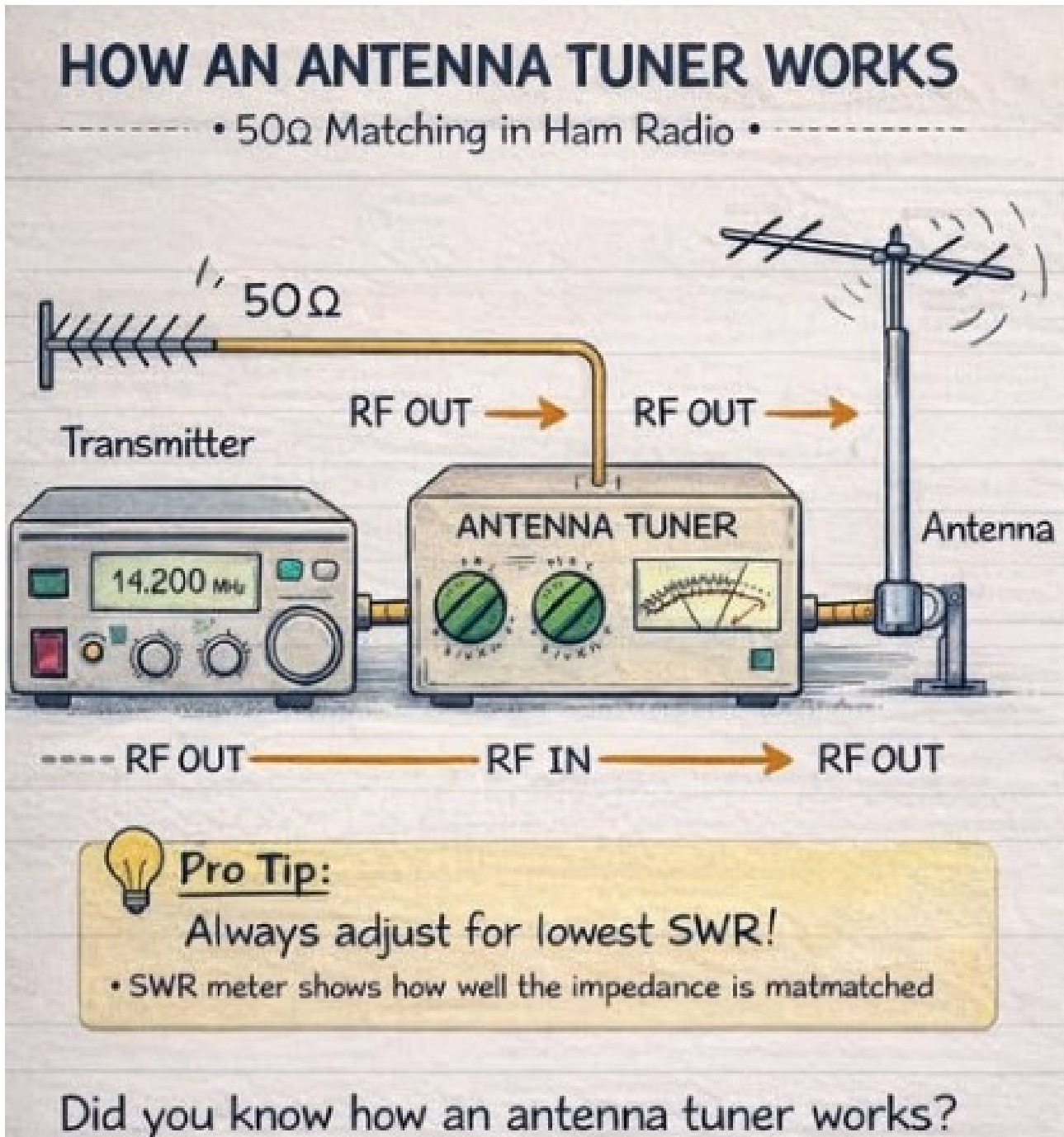
Just South of
the Temple



👉 The Antenna Tuning Approach 📡

Matching your antenna to the transmitter for maximum power transfer!

- 👉 The tuner transforms impedance so your rig always "sees" 50Ω
- 👉 Lower SWR = better efficiency, less power loss
- 💡 Simple idea, powerful impact in real operation!
- 👉 Do you use an antenna tuner or prefer a resonant antenna?



HAMS RESPOND TO HISTORIC FLOODS IN HAWAII

Our top story takes us to Hawaii, which was slammed with two so-called "atmospheric river storms" that brought heavy rains and high winds, flooding all the state's islands and sweeping many houses off their foundations. ARES and RACES hams were activated, providing real time ground reports for weather and field information on Oahu and Maui. ARRL Pacific Section Manager Alan KH6TU/AD6E told Newsline in an email that VHF linked repeater systems carried individual voice reports sent to EOCs. Meanwhile, federal emergency ICS-213 forms were transmitted carrying messages and incident reports over peer-to-peer Winlink via VHF or on HF.

As emergency crews cleared landslides and repaired communications and power lines, hams continued to update road and weather conditions, assisting with coordinated communications. As Newsline went to production, recovery continued after what was being called the state's worst flooding in two decades.



FUNDS WOULD EXPAND, UPGRADE NOAA'S WEATHER RADIO NETWORK

Even as Canada moves to shut down its nationwide weather radio services, lawmakers in the US are looking to commit funds that would modernize and expand the radio network of the National Oceanic and Atmospheric Agency.

Lawmakers in Washington, DC, have moved ahead with their commitment to invest \$100 million in improved antennas and transmitter equipment to expand coverage for the VHF weather radio service of NOAA. A bipartisan measure that authorizes the expense was passed recently by members of the House Committee on Science, Space and Technology.

An estimated 1,030 such weather stations hold licenses to operate on 162 MHz. The antenna and transmitter additions and upgrades focus on NOAA's radio service in remote areas of the US that have a higher risk of extreme weather.

Beyond VHF improvements, the bill calls for NOAA to explore options on the microwave band to further strengthen the network's ability to communicate warnings about hazardous conditions. Other language in the bill directs NOAA to explore the possibility of satellite backup or partnerships with commercial providers.

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FUNDS WOULD EXPAND, UPGRADE NOAA'S WEATHER RADIO NETWORK

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The action in Washington stands in sharp contrast to a recent announcement by the Meteorological Service of Canada - that nation's equivalent of NOAA - that it was ending Weather radio, its own national VHF radio weather service/

The US lawmakers' measure moves next for a vote in the full House but is not yet on the calendar. The action on Capitol Hill comes almost a year after the White House announced that the administration was looking to cut NOAA's weather research centers, particularly those focused on understanding climate change.



SPECIAL EVENT REMEMBERS THE TITANIC

A special event remembering one of history's most famous ocean liners is approaching.

Mark the date of 14th April on your calendar. If you know your history, you'll recall that at 23:40 ship's time on that day, the RMS Titanic struck an iceberg in the North Atlantic, bringing its inaugural sailing to a fatal end.

Mark this year's calendar, as well, from 0000 UTC on the 10th April to 2359 on the 15th April. That time period marks the date of the luxury liner's voyage from Southampton, which ended with its sinking. The Titanic Memorial special event station EG-1912-T will be on the air using all modes HF, VHF, UHF and SHF during that period, organized by the Union of Radio Amateurs of Vigo-Val Miñor. A number of Spanish citizens were on board the ship.

The activation will focus on CW to honour Jack Phillips and Harold Bride, the first and second telegraphers on board. The activation also honours Harold Cottam, the telegrapher on board the Carpathia, the first ship to make a rescue effort at the site of the doomed Titanic.

There will be a special QSL card for hams contacting EG1912T in CW. All other QSLs will be sent via the bureau, eQSL and LoTW. Eed.