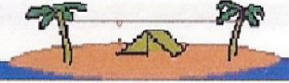


# WATTS NEWS



## The Best of Amateur Radio

# OARC e-Magazine

[www.OgdenArc.org](http://www.OgdenArc.org)

May 2023

Next Club Meeting/Activity/Events

Look Inside



Dave Mamanakis KD7GR  
President



Justin Hall KB7LAK  
Vice President



Colleen Pike KJ7EAY  
Secretary



J. Siddle KG7CJN  
Treasurer



Gary Hudman KB7FMS  
Program Director

(open)  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

# OARC Watts News Masthead

[www.OgdenArc.org](http://www.OgdenArc.org)

---

## OARC OFFICERS

**President:** Dave Mamanakis KD7GR  
**Vice President:** Justin Hall KB7LAK  
**Secretary:** Colleen Pike KJ7EAY  
**Treasurer:** J. Siddle KG7CJN  
**Program Director:** Gary Hudman KB7FMS  
**Activity Director:** open

## OARC ADVISORS (past presidents)

Mike Fullmer KZ7O  
Kent Gardner WA7AHY  
Kim Owen KO7U  
Larry Griffin AD7GL  
Gil Leonard NG7IL  
Jason Miles K7IET

## Executive Operations Manager

Val Campbell K7HCP

## "WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

## "OARC" web site

Webmaster: Val Campbell K7HCP  
Postmaster: Val Campbell K7HCP  
Membership Clerk: Val Campbell K7HCP

## OARC VOLUNTEER APPOINTMENTS

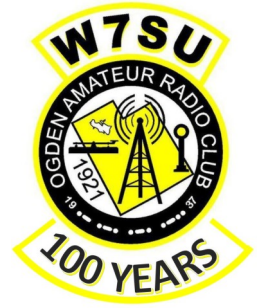
10m Net Control - Gene Morgan WB7RLX  
Antenna Manager – Gene Morgan WB7RLX  
Assistant Photographer - Rick Hansen N7EGA  
Badge Manager – Barbara Siddle KB7FWW  
Club Call Sign (W7SU) Trustee – Larry Griffin AD7GL  
Club Caterer - Ceva Cottrell W7CVA  
Club Chef - Dave Mamanakis KD7GR  
Club Elmer – Stan Sjol W0KP  
Club Technical Support – Rick Morrison W7RIK  
Equipment Loan Program - Val Campbell K7HCP  
**Equipment Manager - open**  
FD Log Manager - Jason Miles KE7IET  
Field Operations Manager - Gene Morgan WB7RLX  
Ham & Eggs Breakfast – Dave DeHeer KJ7DAD  
Ham & Eggs Net Control - Kenny Pronschinske KI7UFN  
Ham & Eggs Net Control – Larry Griffin AD7GL  
Ham & Eggs Net Control – Stan Sjol W0KP  
Historian/Librarian – Kent Gardner WA7AHY  
Media Manager—Kent Gardner WA7AHY  
**Photographer – open**  
QRZ Manager – Tim Samuelson KE7DOA  
QSL Manager – Pete Heisig AI7GV  
Repeater Engineer – Mike Fullmer KZ7O  
Repeater Engineer – Scott Willis KD7EKO  
**Social Media Manager - open**  
YouTube Videos - Jason Miles KE7IET  
VE Liaison Operations – Rick Morrison W7RIK  
**VE Assistant - open**  
VE IT – Jason Miles KE7IET



---

## OARC COMING EVENTS

---



### Next Meeting/Activity

3rd Saturday 20 May 2023 @ 9:00 AM

Reminisce: PP presentation

- Past: Golden Spike & Field Day

Upcoming Field Day planning

Location: Utah Military Academy

### Next VE Test Session

1st Wednesday 07 June 2023 @ 6:00 PM

**A MESSAGE FROM OUR PRESIDENT**

## Dave's Rag Chew



**Dave Mamanakis KD7GR**

Greetings!

We just completed the first of our Summer Events, Golden Spike, W7G. This year, we did things a little differently and included POTA in our offering. It was successful! We got a good number of contacts for the two days of operation, and we got to be a part of the Celebration of the Anniversary of the Driving of the Golden Spike!

If you haven't been up there, you should go. It is worth seeing those fantastic trains!

Don't forget, This Coming Weekend, we have our May Club Meeting! We will be discussing Field Day! Field Day is one of our largest operations all year! This year, we will be having some demonstrations, we will be doing some "hands on" activities, and, of course, we will be doing our World Famous Field Day Dinner (be sure to bring a dish to share, just not chips, we got those covered!)

I'm already looking forward to it!

Summer is a great time to take on some Ham Radio activities, like Helping Out at a Parade, Marathon, or any number of other activities where Ham Radio Operators are used for communications! There are things like Utah SAG ( <https://utahsag.org/> ), where you can help out during some fund raisers for Kids or people with Debilitating Diseases or Handicaps. It is a great time, and you are helping out our community!

You can get involved in other events, like the Moab 240, the Pony Express Ride ( <https://nationalponyexpress.org/ham/> ) ... or any number of other activities! They can use the help!

Or, you can also do something, like, go camping and use local repeaters all over Utah, Colorado, Wyoming, Idaho, Montana, Nevada, Arizona, or even New Mexico... I know there are some awesome places for recreation in these Great States, and each of them has Repeaters...

Maybe you like to do HamFests or Ham Conventions? There are usually a few opportunities to attend some of those throughout the year, including Dayton Hamvention, Quartzfest, and many others...

<https://hamvention.org/>

<https://quartzfest.org/>

Contesting? There are lots of various contests! Or, maybe you want to plan and execute a DXpedition? Or maybe just a get-together for a 7QP QSO Party (like <http://7qp.org> ) or just to learn or practice a new skill (Digital – FT8 or JS8Call, or CW)?

Summer is a great time to plan and execute some of these opportunities! The weather is usually good! And... well, you deserve to have fun, right?

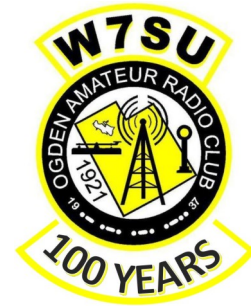
I hope you will join us for our summer activities! It is more fun when lots of people participate!

Be safe out there, my friends! And we'll see you on Saturday!

--Dave (KD7GR)

**A MESSAGE FROM OUR VICE PRESIDENT**

## Vice President



**Justin Hall KB7LAK**

Greetings to the OARC! It's the 25th of April and my yard has a fresh layer of snow. So we wanted more water, we got it!

On that front, hopefully we can minimize the thrash if there's a need to activate the club to do any disaster mitigation. If you're needed, go where you think you'll do the most good if you're available. We have local government, church groups, and others. Please, please go and offer to help, not to take charge or be conditional in your offer of help. If you have health or time limitations, let them know up front. Be flexible- 'my way or the highway' isn't how we'd do business with people. My biggest fear is that people get alienated and never call on us again because we were too hard to work with. If there's property and lives at stake, work together to help out.

My other appeal is if we can promote Ham Radio with STEM (Science, Technology, Engineering, Mathematics) to the local school districts. I've started with the Ogden School District and gotten a reply, but not a lot of movement. So if you have avenues to Ogden or another local school district, let me know. Mel Parks said there's money available to build stations and train teachers, so this is something that would pay off in spades if successful. And for the kids that get their licenses, there's college scholarships available - I'm guessing that many go unclaimed. If we promote Ham Radio as itself, people don't respond. If you couch it in STEM, people get interested. So telling the Ham Radio story can take many forms. If any kid asks you about it, demo it to them so they can learn more. We live in a digital age where a Google search can yield what took me 5 letters and 10 phone calls over the course of a few weeks in 1989! But that was a long time ago. Ham Radio led me to an exciting career in the Air Force, and the more our younger generations take to their careers, the better.

If you look closely at us Ham Radio Operators, we **\*\*almost\*\*** look like normal, regular people. But I'm glad we don't!

Justin Hall KB7LAK

## **CLUB ANNOUNCEMENTS**



## CLUB NEWS

### HAM and EGGS Net

Tuesday Evenings at 6:30 PM Mountain Time

Mt Ogden **70 cm repeater 448.600 MHz** (- offset, 123.0 PL Tone)

New, Intermediate & Old Timers. Elmering, Education, General Ham Discussion and Rag Chew.

New hams encouraged to check in. Get connected, learn new things and ask questions.

Questions: Larry Griffin (AD7GL), [ad7gl@arrl.net](mailto:ad7gl@arrl.net)

Stan Sjol (W0KP), [stansjol@xmission.com](mailto:stansjol@xmission.com)

Kenny Pronschinske (KI7UFN), [kennypron@hotmail.com](mailto:kennypron@hotmail.com)



Larry Griffin

AD7GL



Stan Sjol

W0KP



Kenny Pronschinske

KI7UFN

## CLUB NEWS

### 10 Meter Net

Thursday Evenings at (18:30) 6:30 PM MT

10 Meters HF - **28.375 MHz SSB (USB)**

Purpose is to promote activity on the 10 meter band (especially during low sunspot activity).

To give technician class operators an opportunity to operate phone, and to provide a venue for conversation and experimentation with antenna and ground wave propagation.

NOTICE: **“Work toward getting your “10 on 10 Award”**

**“Work toward getting your “10 meter WAS Award”**

Questions and Net Control: Gene (WB7RLX), ee\_morgan@outlook.com



Gene Morgan (WB7RLX)

## CLUB NEWS

### Ham & Eggs Breakfast

Each Wednesday, at a very early 8:00 am, some of the club members meet for an informal breakfast get-to-gather. Everyone is welcome.

Now at a new location:

**The Rusted Spoon-Ogden** (previously The Stagecoach)

**1310 Wall Ave, Ogden, UT**

NOTE: See you there ... if you can get up that early.

73, Dave KJ7DAD



Dave DeHeer (KJ7DAD)

**PREVIOUS CLUB MEETING/ACTIVITY**

# **CLUB NEWS**

## **PREVIOUS CLUB MEETING**

3rd Saturday 15 April 2023

### **OARC Portable Operations (in the Park)**

Riverdale "Golden Spike" park and bowery













## PREVIOUS MEETING PICTURES

Photos by ... **club photographers**



Rick Hansen—N7EGA

**Note: We need a 2nd club photographer. Consider volunteering!**

---

***"Previous Meeting/Activity/Event" ...***

***Photos and links located on the club web site home page.***

---

**ALSO**

**Check out the OARC Facebook page**

**"Ogden Amateur Radio Club"**

**OARC SOCIAL MEDIA MANAGER ... needed**

**NEXT CLUB MEETING/ACTIVITY**

# **CLUB NEWS**

## **Next Club Meeting**

**3rd Saturday 20 May 2023 @ 9:00 AM**

## **Reminisce: PP presentation**

- Past: Golden Spike & Field Day**

## **Upcoming Field Day planning**

**CLUB & HOBBY NEWS**

## HOBBY NEWS

### NEWS from the Davis County Amateur Radio Club — DCARC

Last month was the premiere of the DCARC—YL net. It was very well received and successful. As the name implies, this is a ladies only net.

It occurs at 8:00 pm on each 2nd Tuesday of the month on the 147.04 repeater positive offset and PL 123 (on Antelope Island).

All ladies are invited to participate. Gentlemen, being gentlemen, do not check in or comment but may monitor.

Cheers and 73,

Craig WOVRM

## HOBBY NEWS

### One Man's Quest to Revive the Great American Vacuum Tube

The prized retro audio components are mostly manufactured in Russia and China. Now, a small Georgia company is rebooting US production.

Rossville, Georgia, on the border with Tennessee, doesn't look like a tech town. It's the kind of place where homey restaurants promising succulent fried chicken and sweet tea are tucked among shuttered businesses and prosperous liquor stores. The cost of living is moderate, crime is high, politics are red, and the population has withered to 3,980.

But in the view of entrepreneur Charles Whitener, Rossville is the perfect place to stage a revival in US technology and manufacturing—albeit with a device that was cutting edge when the Ford Model A ruled the roads.

Whitener owns Western Electric, the last US manufacturer of vacuum tubes, those glass and metal bulbs that controlled current in electric circuits before the advent of the transistor made them largely obsolete. Tubes are still prized for high-end hi-fi equipment and by music gear companies such as Fender for their distinctive sound. But most of the world's supply comes from manufacturers in Russia and China, which after the transistor era began in earnest in the 1960s helped sunset the US vacuum tube industry by driving down prices.

Whitener, a 69-year-old self-described inventor, vintage hi-fi collector, and Led Zeppelin fanatic, bought and revived AT&T's shuttered vacuum tube business in 1995. The business has ticked along in the era of cheap overseas tubes primarily by serving the small market for vacuum tubes in premium hi-fi equipment with a model called the 300B, originally designed in 1938 to enable transoceanic phone calls.





Inspecting newly sealed vacuum tubes. Courtesy of Western Electric

But recently US trade restrictions on Russia and China, over the former's renewed invasion of Ukraine and the latter's ideological disputes with Washington, have sent vacuum tube prices soaring. At one point in 2022, tubes that typically re-tailed for \$10 were offered at prices over \$100, says Daniel Liston Keller, who does public relations for recording industry clients. Although shipments of Russian tubes have resumed, prices remain high and the quality of overseas tubes has always been unreliable. "You have to buy 100 tubes to get 30 you like," says Justin Norvell, an executive vice president at Fender. An affordable tube for a guitar pre-amp is now roughly \$30, meaning the company can spend about \$90 to get one tube that meets its standards.

Continued ...



## CLUB NEWS

### Unique QSL Cards

STILL WANTED—STILL NEEDED

Send me your QSL Card Photos soon!

Submit to: [k7hcp@arrl.net](mailto:k7hcp@arrl.net) or [w7su@arrl.net](mailto:w7su@arrl.net) or 801.389.0690

-----

## CLUB NEWS

### Ham Shack Photos

STILL WANTED—STILL NEEDED

Send me your Ham Shack Photos soon!

Submit to: [k7hcp@arrl.net](mailto:k7hcp@arrl.net) or [w7su@arrl.net](mailto:w7su@arrl.net) or 801.389.0690

-----

**CONTRIBUTING EDITOR SUBMISSIONS**

## GUEST CONTRIBUTION

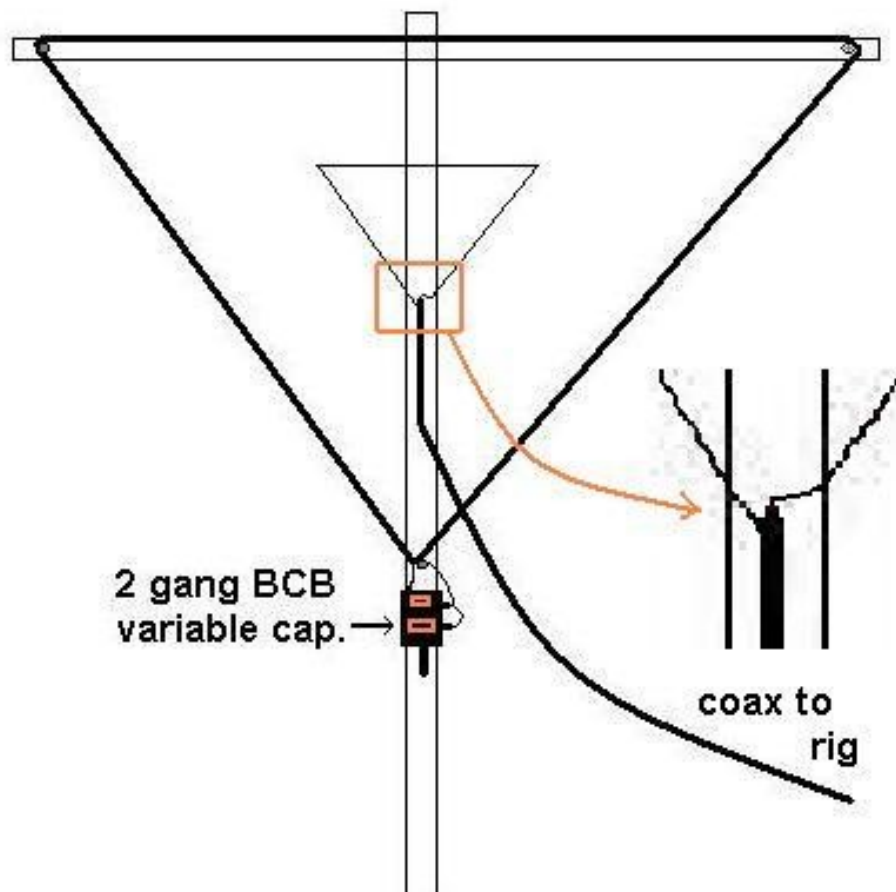
By Neil Klagge W0YSE



### Receiving on 630 meter band

This is the first receiving loop antenna that I used when I first started listening on 600 meters [500 kHz] back in 2013. I lived in Layton Utah at that time. This was several years prior to hams receiving access to the 472-479 kHz band, which is now called 630 meters.

#### A 630 meter small loop antenna



It is an equilateral triangle, 27 inches on each side, 7 turns, tuned with an old 2 ganged BCB variable. The variable has a total of about 500 pf. A fixed 1000 pf capacitor is paralleled with it to get the loop to tune from 525 kHz to near 430 kHz. The loop has a horizontal side on top with the apex pointing down. I use a one turn triangle inner loop to feed the coax cable to the FT100d transceiver. The inner loop is about 13 inches on each side with all sides parallel to the outer 7 turn loop.

By rotating the loop I can null out the local noise. I was able to receive experimental stations WD2XSH/20 on 508.6 kHz in Oregon , VX9BDQ near Vancouver, BC, and WE2XGR/6 in New York state. I have also copied several Canadian navigation beacons [NDB's] in British Columbia with this loop (I had to add more capacitance in parallel to get down to those frequencies). All this was done from inside my basement shack with the loop at about ground level !

The shape of the loop is flexible. You could make it into a square or a diamond shape if you like. I had a large 4 turn loop using four conductor flat rotator ribbon tacked to my shack wall that worked well when tuned with a two ganged BCB variable capacitor.

At this time of the year (late spring and summer) the activity is less due to summer noise but there are still several WSPR stations that you could decode using WSJT-X, which is the same software you may be using for FT8.

If you have questions about 630m or below, you can email me using my address on QRZ.com

Neil Klagge, w0yse

# GUEST CONTRIBUTION

By Kent Gardner WA7AHY



## Can Auroras be White?

My first aurora sighting was on 11 February 1958. I was a sophomore at Burley High School in Idaho at the time. I went out of the house to check the corral gate before bed and saw that the entire Northern horizon was red.

I have been on the lookout for auroral sightings from then on. My wife Lauralee added to her bucket list that she could see the Northern lights also. I signed up to a website that lets me know when there are solar eruptions and storms that could trigger the auroras; especially the stronger ones that can be seen here in Northern Utah.

We were a day late and a dollar short several year ago when someone saw the lights from Trappers Loop between Weber and Ogden Canyons. We went up the next night, but could not see them. We also drove out on the road to the Bear River Bird Refuge one night. We parked alongside the road with our windshield facing North. We did not see anything, but did draw interest from a Deputy Sheriff who thought that we might be fishing illegally at night. When I rolled down my window to talk to him, a swarm of infernal mosquitos came buzzing in. What an experience.

Fast-forward to 24 April 2023. The likelihood of auroras being seen in the mid-US was rated high. Lauralee and I, once again drove out to Trappers Loop in hopes of seeing something. There were over a dozen other cars who had the same idea. We got there about 10:00 PM (MDT) and stayed until 11:00 PM. We did not see anything that looked like a classic aurora, but I did a double-take when something happened that I had never experienced before as follows:

The crescent moon was nearing the Western horizon.

The sky was clear overhead, but there was a layer of clouds hanging near the Northern horizon. They were covering no-more-than about 20 degrees above. They were backlit from a few city lights from Huntsville, but were not overly bright.

About 10:40 PM MDT, a startling fan-like array of light streaks appeared just like someone turning them on. They were emanating from the North horizon to about 40 degrees overhead of our parking area.

They were not brilliant, but very noticeable in showing off the fan-like streaks as illustrated in my hand-drawn sketch below. It sort-of felt like everyone at the North horizon had turned on their city lights all at once, but of course Huntsville and Eden wouldn't have much to show if they did.

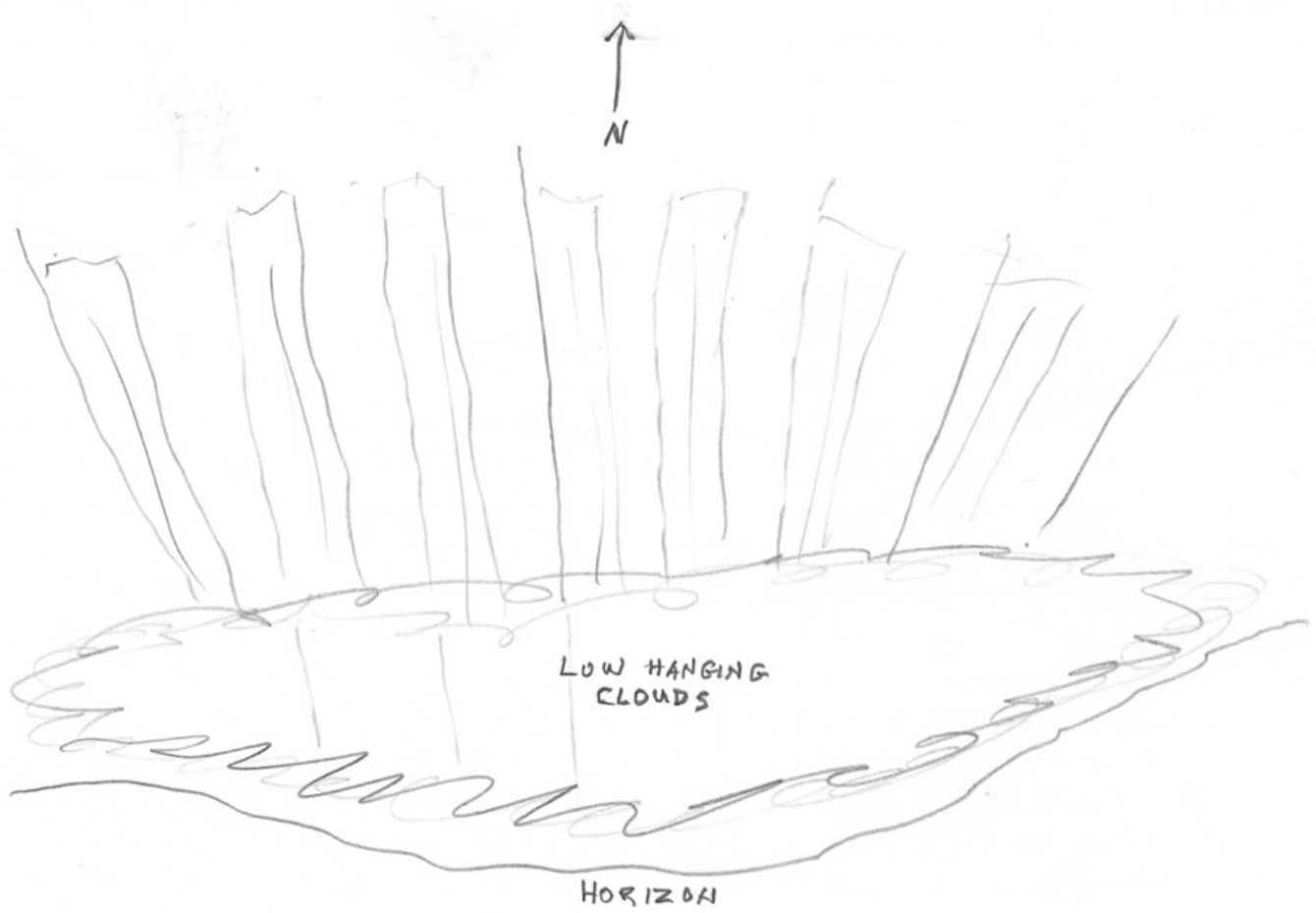
The complete fan shaped light (flat beams) covered the sky for about 5 minutes, then some of the light beams started to disappear until the entire fan stopped glowing after about 10 or f5 minutes.

Something of an ethereal nature happened. Could the event be classified as some kind of natural aurora; specifically; was there such a thing as white auroras? I think Lauralee still wants to see the color versions of the Northern Lights. She still has the note on her bucket list to look forward to.

See "Where Were You On 11 February 1958" article in the OARC *WATTS NEWS* January 2022 issue (pages 31 and 32).

Continued ...





TNX

Kent Gardner, WA7AHY

# GUEST CONTRIBUTION

By Jim Southwick N7JS

## Utah Aurora on April 23

On April 23<sup>rd</sup> (Sunday) my wife and I were viewing Facebook (just before nodding off to sleep at about 11PM) when we suddenly started reading of people saying they were seeing the northern lights locally in Ogden at that particular moment. What!? I couldn't believe it. I've been trying to see something like this for over half a century since I was a little kid!

There may as well have been a fire in the home as we jumped out of bed with our PJ's and threw a pair of slippers on and hopped in the car. Basically a 60 second dash. Auroras are famously fleeting. We immediately sped to the Ogden Running Trail Head parking lot (just above WSU) and not far from our home. We both agreed in the little time we had, that would probably be the least lit up, provide safe parking, and have a good viewing window to the north. It turned out our deduction was pretty good.

As we approached the parking lot area, I noticed a very small group had already gathered. Guess we were not the only ones who thought of this place but I was surprised that others would be this ambitious this late on a Sunday night. We were able to take this shot at approx 11:10PM looking north. Wow. I had certainly seen more impressive photos of this phenomenon but this was Utah!

It may be a once in a lifetime happening to see this in Utah but hoping there will be more with the upcoming solar max. Keep an eye on [www.spaceweather.com](http://www.spaceweather.com) if you are interested in this type of stuff but we found the best indicator was reading or hearing about people seeing it real time. Here's to happy aurora hunting.

73,

Jim Southwick, N7JS



# GUEST CONTRIBUTION

By Gene Morgan WB7RLX



I was doing some research on an antenna project and I came across this and thought you might find it useful.

You can find the larger list covering the other bands here:

<http://ac6v.com/callfreq.php>

## 10 METERS

28.025 CW Rare DX & DXpeditions Frequently Operate Here ⚡ Split

28.060 QRP CW Calling frequency

28.080 RTTY Rare DX & DXpeditions Frequently Operate Here -- Split

28.080 to 28.100 Primary Range for RTTY

28.1010 10/10 Intl CW Calling Frequency

28.110 QRP Novice/Tech Calling FREQ

28.190-28.225 Beacons

28.200 NCDXF/IARU beacons (**STAY OFF OF THIS FREQUENCY**) Many Hams rely on these beacons for propagation determination. For Details - see [NCDXF/IARU International Beacon Network](#)

28.380 10/10 SSB Intl Calling Frequency

28.385 QRP SSB Calling frequency

28.425 10/10 SSB Intl Calling Frequency ⚡ Another is 28.400

28.495 SSB Rare DX & DXpeditions Frequently Operate Here -- Split

28.600 Old General Callin Frequency - Still used by Old Timers

28.675~28.685 SSTV Operating Frequency -- IARU Region 1

28.680 SSTV Operations USA/Canada

28.825 10-10 Backscatter Net - Paper Chasers Net

28.885 6M DX Liaison Frequency -- Listen here for 6 Meter DX opening announcements and discussions.

28.945 FAX Operating Frequency

29.000-29.200 AM Operations

29.300-29.510 Satellite Downlinks

29.520-29.580 Repeater Inputs

29.600 FM Simplex - Calling Frequency

29.620-29.680 Repeater Outputs

# GUEST CONTRIBUTION

By Rick Hansen N7EGA



## Can listening to a shortwave radio for too long be harmful?

If it receives SSB or Morse code tones, it might use a low-power oscillator to create a beat frequency for the receiver. Not likely to have any radio frequency exposure consequences. If the audio is too loud, it might affect your hearing. If you sit in a chair “listening too long,” you might have circulatory issues. Get up and walk around to reduce that risk.

If, after listening to a shortwave radio, you then choose to transmit a reply (it could be a transceiver), RF exposure might mess with appliances around you (and perhaps a pacemaker if you’re running a 1,500-watt ham radio indoors?), but not likely to otherwise harm biological entities. Use coax to an outside antenna to mitigate that, and use inductors around USB cables if you’re using digital modes.

Shortwave (HF) frequencies don’t seem to heat tissues like VHF, UHF, and especially microwaves. Bad news: cell phones use microwave frequencies. There are studies with brain cancer links to cell phones next to your head, but the question is about shortwave radio and probably just a receiver, which should be safe.

# GUEST CONTRIBUTION

By Craig Howe W0VRM

OARC,

Thought I would pass along a few pictures of the SLC Marathon today. I was working Aid Station Golf at Sugar House Park.

At the end of the event today, they are closing the park for 1 week to capture overflow from Mountain Dell and Little Dell Reservoirs.

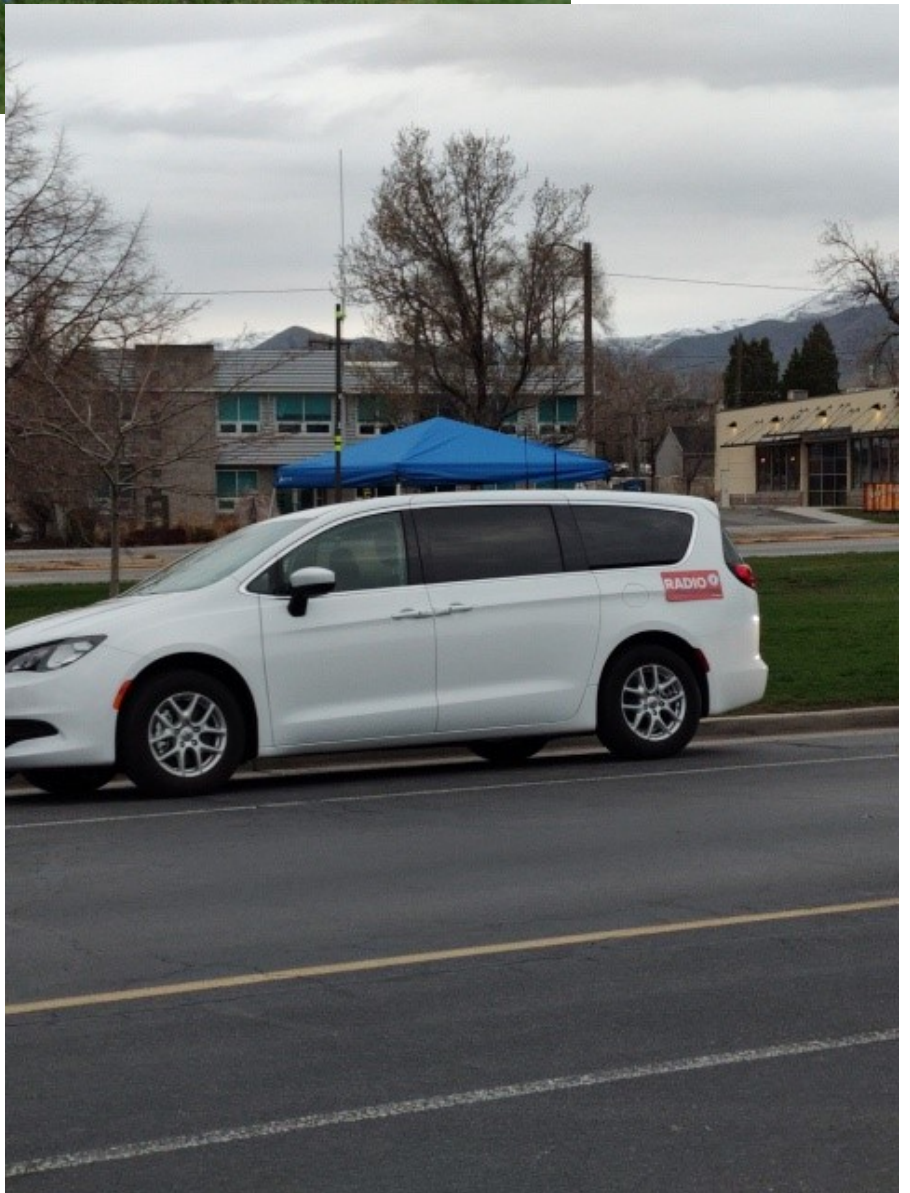
Craig Howe W0VRM











## GUEST CONTRIBUTION

By Craig Howe W0VRM

OARC,

May 6th was the Front Runner bike ride. Here is a pic and a nice note from the brother of the man pictured. They were the last two to finish.

Roger Graves sent this out to all of our UtahSAG folks who helped. Roger has taken the reins for Mickey since his passing.

Spence was very kind in his words and they reflect all who serve in these ways at events.

Craig Howe W0VRM

10:32 AM



Hello Craig,

Thanks so much for all that you did for us yesterday.

I really appreciate your attitude & dedication.

This was a HUGE day for my brother Sam.

A massive accomplishment in the face of many, many life struggles.

I am incredibly grateful for this ride -- all of its planning, founding purpose/mission, execution, & traditions.

Thanks for going above and beyond "just doing the job."

Have a great remainder of your weekend.

-Spence

Just received this text from Spence. He and Sam were the last two riders yesterday.

**GUEST CONTRIBUTION**

**NEEDED**

**Contributing Editor submissions welcomed**



## ARRL Helps Radio Amateurs Comply with New RF Exposure Evaluation Rules

05/05/2023

ARRL The National Association for Amateur Radio® provides free, comprehensive resources to help radio amateurs ensure they are compliant with the new RF exposure rules.

On May 3, 2021, [new FCC rules governing RF exposure](#) evaluations went into effect. While the exposure limits were not changed, the requirement to conduct an evaluation was made more broadly applicable to amateur licensees. A 2-year transition period was implemented to allow existing amateur licensees to conduct evaluations and make any changes necessary to ensure that their station complies with the exposure rules. On May 3, 2023, the transition period ended. All licensees must now conduct evaluations of their current station and reassess compliance when making changes to their stations that would affect exposure going forward.

As detailed in a [May 2023 QST article by Greg Lapin, N9GL](#), the rules now require amateur radio operators to perform station evaluations. The Amateur Radio Service is no longer categorically excluded from certain aspects of the RF exposure rules, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level.

The ARRL website features an [RF Exposure landing page](#) with resources, such as an RF exposure calculator, the entire RF Safety section from the 100th Edition of the ARRL The Handbook, a video explaining the topic, FAQs about the subject, and more. These tools and resources are available to the public without an ARRL membership or website account.

For further assistance with technical matters, ARRL members enjoy the additional resources of the [ARRL Technical Infor-](#)



## ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band

04/28/2023

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a Notice of Proposed Rulemaking (NPRM) on April 21, 2023, that deals with the band. In a prior petition, [ARRL The National Association for Amateur Radio](#)<sup>®</sup> urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.

Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).

The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

In 2017, [ARRL petitioned to the FCC](#) to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit.

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date."

In [the NPRM](#), the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested."

The FCC proposed to allocate the 15 kHz bandwidth, but stopped short of making a proposal on whether the existing channels should remain allocated to amateur radio and what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks.

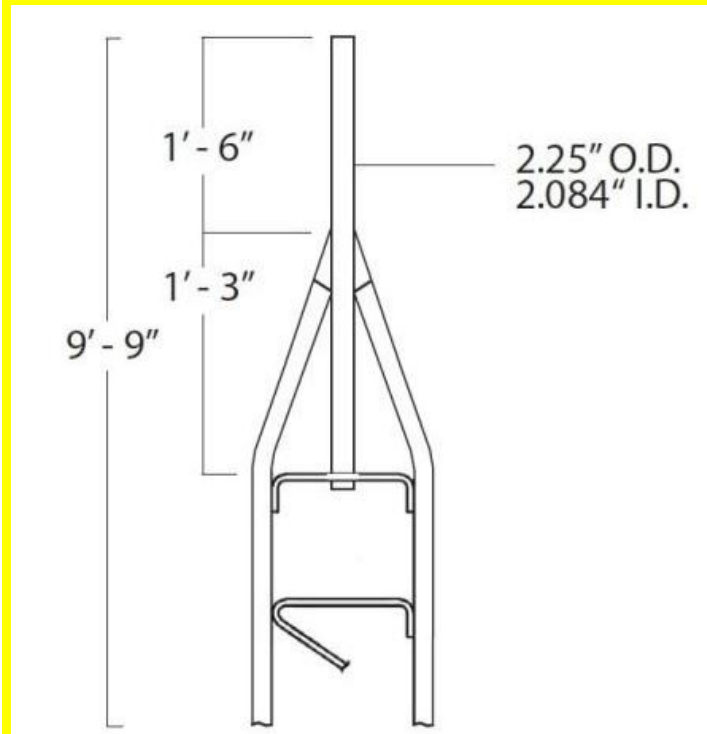
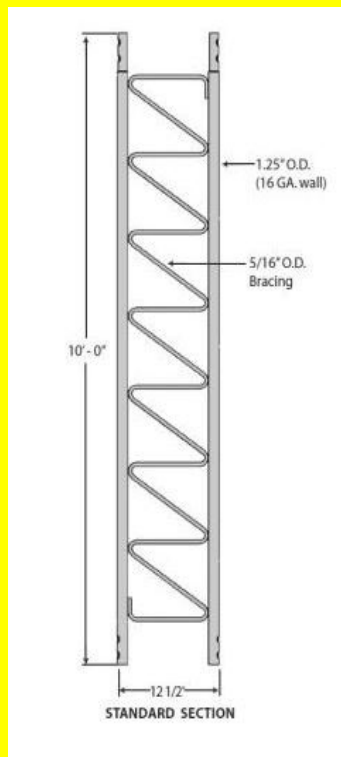
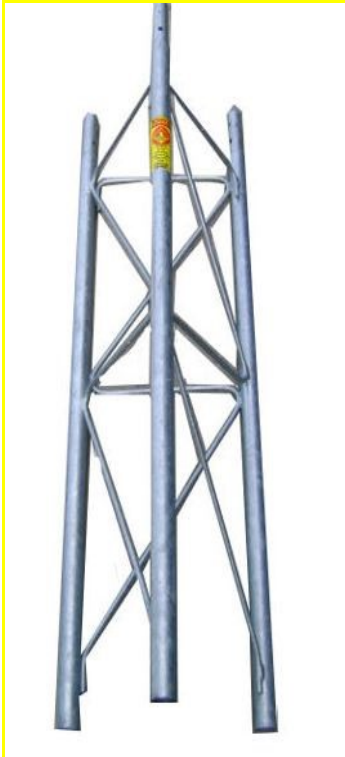
# O'bay Swap

**SWAP ITEM # 244**

**FOR SALE: 50 ft Rohn Tower with concrete base and mast**

**ASKING PRICE: \$250**

**CONTACT: Dave Sanders, K7RGY, [dave.sanders@live.com](mailto:dave.sanders@live.com)**



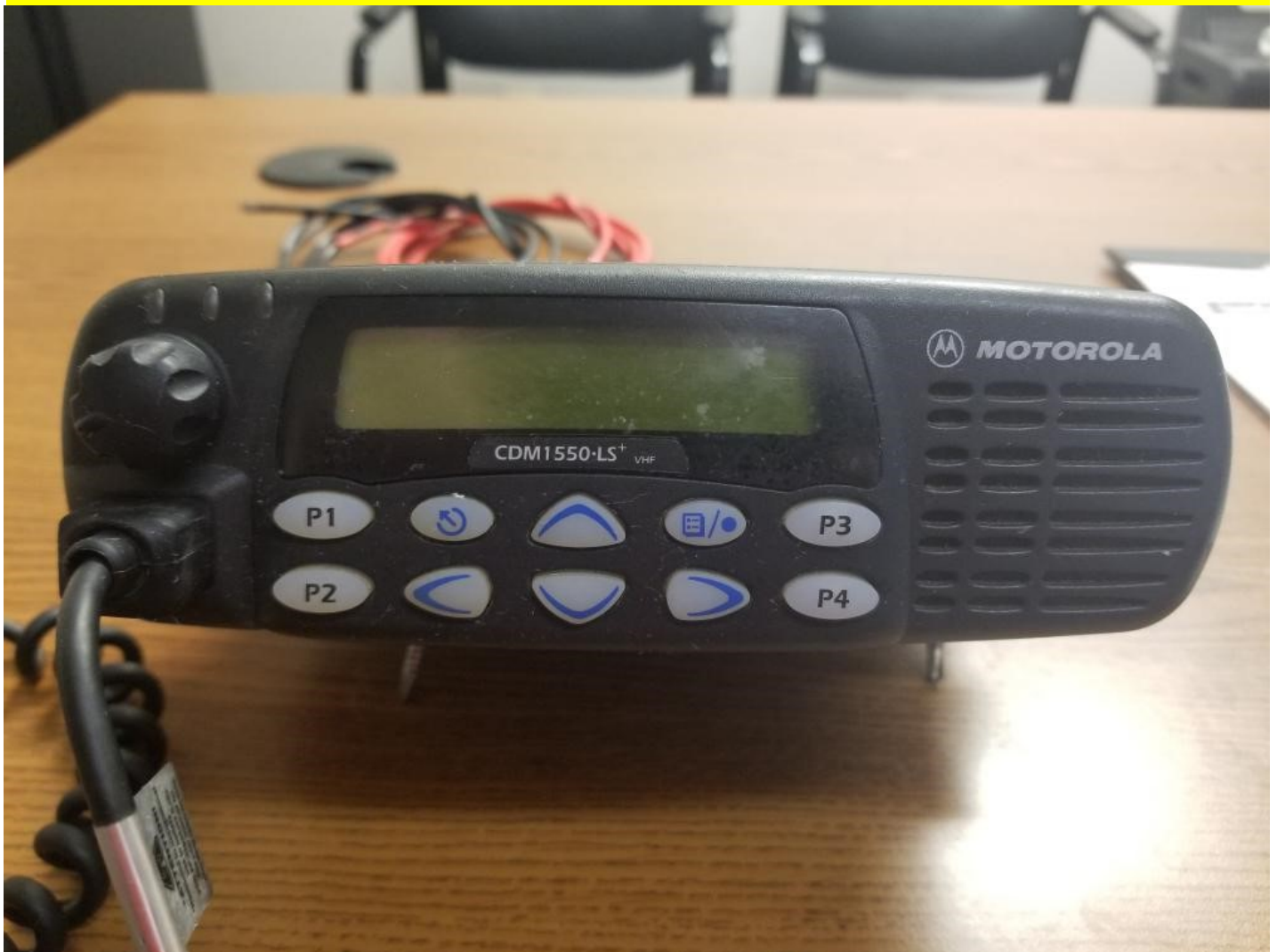
# O'bay Swap

**SWAP ITEM # 243**

**FOR SALE: Motorola CDM1550-LS VHF radio**

**ASKING PRICE: \$0 (free)**

**CONTACT: stephane budge, [stephanebudge@gmail.com](mailto:stephanebudge@gmail.com)**



# O'bay Swap

## SWAP ITEM # 242

**FOR SALE: Collins 30L1 Amp**

This is a very clean Amp. Original manual in excellent condition.

**ASKING PRICE: \$650**

**CONTACT: Ed McKenney, AA1ZK, 860-729-8986, Eden Utah**





# O'bay Swap

(repeat)

## SWAP ITEM # 225

FOR SALE: Misc Antenna: equipment, parts, cables, etc. (donated to OARC)

REFER TO CHART: Donation Inventory

ASKING PRICE: \$ make offer \$ (as a donation to your club)

CONTACT: Gene Morgan WB7RLX, 801-540-4907, ee\_morgan@outlook.com

<http://OgdenARC.org/swap.html>

## O'bay Swap

**SWAP ITEMS WANTED**

<http://OgdenARC.org/swap.html>

**CLUB REFERENCE MATERIAL**

# OARC Repeater Sites

**Promontory Point**  
Elevation: ?  
-146.920 (123 Hz)  
-448.775 (123 Hz)

**Powder Mountain**  
Elevation: ?  
-145.470 (123 Hz)  
-447.775 (123 Hz)

**Marriott Slaterville**  
Elevation: 4500 ft  
-146.820 (123 Hz)  
-448.575 (100 Hz)

**Mount Ogden**  
Elevation: 9572 ft  
-146.900 (DCS 125)  
-448.600 (123 Hz)



Scott Willis KD7EKO



Mike Fullmer KZ7O

Scott Willis KD7EKO and Mike Fullmer KZ7O are the OARC repeater engineers that keep our club repeaters at Mt Ogden and Little Mountain operational.

# OARC MEMBERSHIP DRIVE

## SUPPORT YOUR RADIO CLUB

Don't forget to signup/renew your OARC membership now (\$15) which runs August to August. Consider signing up your spouse as well. Remember ... FREE Steak at Steak Fry for ALL members.

Ham + Spouse = \$15 + \$10 = \$25

THANK YOU FOR YOUR SUPPORT

## Join OARC

### Join or Renew your membership now!

**Joining & Renewal is easy.** On the club website home page click Join/Renew tab and fill out the membership form. You can pay using your PayPal or mail a Check or Money Order to the club PO Box listed. Or print a hardcopy of the membership form, fill it out and mail it to the PO Box along with your payment. Better yet, Come to a club meeting and bring the completed membership form with you.

**DUES:** Dues are \$15.00 per person and runs August - August. (Ham + spouse = \$25.) More than one ham in the family? Consider the OARC Family plan for \$25.

**NOTE: New Hams >>>** Membership in OARC is complimentary for remainder of 1st year licensed.

Membership in the Ogden Amateur Radio Club is open to anyone interested in Amateur Radio. You do not need an amateur license to join us. You do not need to join the club to participate with us. Dues are used to operate the club, field day activities, and repeater equipment maintenance.

## Club Badges

OARC Club badges are available for all licensed club members.

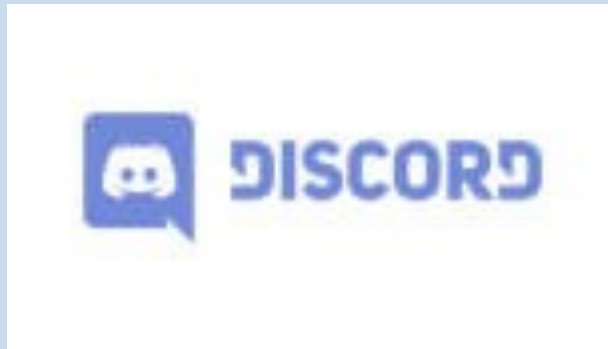
The cost is **\$12.00** each. The badge comes with a “MAGNETIC” clip. Badge includes your Call Sign in large letters and your First Name in a somewhat smaller font in white lettering on a pitch black background with the club logo. See example below.



Place your order along with **\$12.00** prepaid in advance for each badge ordered and specify Call Sign and First Name.

Visit the club website home page Join/Renew tab and select the Badge Order form to order your badge. You can use PayPal or mail your check to the club PO Box.

## OARC Discord Page



**Did you know that OARC has a Discord page ?**

**What is a Discord Page you ask?**

**It is OARC's new discussion group site.**

**Just click on the icon on the bottom of the club website home page to join and visit OARC's ongoing discussion threads. Check it out!**

## OARC Facebook Page



**Did you know that OARC has a Facebook page ?**

**Just click on the icon on the bottom of the club website home page to visit OARC's ongoing monthly activities and events. Check it out!**



## OARC You Tube Channel



### **Did you know that OARC has a You Tube Channel ?**

**A lot of our meeting presentations are recorded and posted to our OARC You Tube channel for you to view at a later date.**

**It's easy to view missed**



**meetings...**

**Just click on the icon on the bottom of the club website home page to view recorded meetings preserved for your viewing pleasure. Check it out!**

## ANNOUNCEMENTS

### Next Club Meeting:

**3<sup>rd</sup> Saturday of each Month**

The Ogden Amateur Radio Club meetings are usually held on the **3<sup>rd</sup> Saturday** of each month.

### Meeting/Activity:

**See monthly notices earlier in this newsletter.**

Talk-in: - 448.600 (pl 123.0)

Check OARC web site for details

**[www.ogdenarc.org](http://www.ogdenarc.org)**

Please invite a friend to join you. You do not have to be a member of the club to participate in our club meetings or activities. We invite all to join us.

If anyone is interested in doing a presentation on something or just have something unique to show at the meetings. - Please get a hold of any of the officers and let us know.

### Next Weber Co VE Test Session:

**1st Wednesday Feb, Jun & Oct**

Exam sessions are held in Ogden every few months, **usually** the first Wednesday in February, June, and October.

**Time: 06:00 PM** *Walk-ins allowed*

**Location: Permanent location**

**Utah Military Academy  
5120 S 1050 W  
Riverdale UT 84405**

**Contact: VE Liaison:**

**Rick Morrison W7RIK** (Liaison)

**[morrisonri@msn.com](mailto:morrisonri@msn.com)** (801-791-9364)

**open** (Co-Liaison)

**Jason Miles KE7IET** (IT)

**Cost: \$ 14.00**

Two forms of **ID**, one of which must be a **picture ID**.

For "Upgrades" bring current **license** and a **copy** of current license, and any **CSCE's**

Most **calculators** allowed. Calculator memories must be cleared before use.

## AREA CLUB MEETINGS & WEB SITES

CLUB	WEB SITE	DATE/TIME	LOCATION
<b>OgdenARC</b>	<b>ogdenarc.org</b>	<b>3<sup>rd</sup> Saturday 09:00 am</b>	<b>Check OARC web site ...</b>
WC Sheriff Comm-O		1 <sup>st</sup> Saturday 10:00 am	Weber Co. Sheriff Complex West 12 <sup>th</sup> Street Ogden Utah
Barc	barconline.org	2 <sup>nd</sup> Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSErg	dcarc.net /ares.htm/	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	dcarc.net	2 <sup>nd</sup> Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	home.comcast.net/ ~noutares/	3 <sup>rd</sup> Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	xmission.com /~uarc/	1 <sup>st</sup> Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
UVarc	https://uvarc.club	1 <sup>st</sup> Thursday 6:30 pm	Orem City Council Chamber Room 56 North State St. Orem Utah
GSarc	Ubetarc.org	Check Website	Check Website
Utah DX Association	udxa.org	3 <sup>rd</sup> Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	ussc.com /~uvhfs/	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	westdesertarc.org/	1 <sup>st</sup> Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	https://groups.google.com/forum/#!forum/wsuarc	3 <sup>rd</sup> Thursday 5:30 pm	WSU Blding #4 Room ? Ogden Utah

# Club Web Site

Be sure to visit our club web site.

[www.OgdenARC.org](http://www.OgdenARC.org)

Club membership is open to anyone interested in Amateur Radio. You do not need an amateur license to join us. Dues are used to operate the club, field day activities, and repeat-er equipment maintenance.

# Club Call Sign

Listen to the club repeaters for this very familiar CW ID. You do know Morse Code don't you?

**W7SU**

# OARC is 100 years old

OARC was established in May 1921 and became ARRL affiliated in 1937.

<b>OARC REPEATERS</b>			
(*) Yaesu Fusion digital/FM compatible			
<b>FREQ</b>	<b>CLUB</b>	<b>TONE</b>	<b>LOCATION</b>
<b>146.900-</b>	<b>OARC (*)</b>	<b>125 DCS</b>	<b>Mt Ogden (w/WiresX)</b>
<b>448.600-</b>	<b>OARC (*) "talk-in"</b>	<b>123.0</b>	<b>Mt Ogden</b>
<b>146.820-</b>	<b>OARC (*)</b>	<b>123.0</b>	<b>Marriott UT</b>
<b>448.575-</b>	<b>OARC</b>	<b>100.0</b>	<b>Marriott UT (no autopatch)</b>

FREQ/Offset	TONE	LOCATION	OWNER
145.250 -	PL 123.0	Weber State Univ	WSC
145.290 -	PL 123.0	Brigham City	GSARC
145.330 -	PL 100.0	BYU (Provo)	BYUarc
145.430 -	PL 123.0	Brigham City	GSARC
145.470 -	PL 123.0	Powder Mountain	WCSO
145.490 -	PL 100.0	Promontory Point	K7JL
146.620 -	PL none	Farnsworth Peak	UARC
146.640 -	PL none	Logan	BARC
146.720 -	PL 103.5	Mount Logan	BARC
146.760 -	PL none	Lake Mountain	UARC
146.780 -	PL 100.0	Lake Mountain	UVARC
146.920 -	PL 123.0	Promontory Point	WCSO
147.040 +	PL 123.0	Antelope Island	DCARC
147.100 +	PL 123.0	Morgan County	KB7ZCL
147.120 +	PL 100.0	Farnsworth Peak	UARC
147.220 +	PL 123.0	Brigham City	GSARC
147.260 +	PL 103.5	Promontory Point	BARC
147.360 +	PL 100.0	Lewis Peak	Summit Co ARC
447.200 -	PL 127.3	Antelope Island	DCARC
447.225 -	PL 100.0	Malad Idaho	Malad Repeater
447.775 -	PL 123.0	Powder Mountain	WCSO
448.300 -	PL 123.0	Brigham City	GSARC
448.775 -	PL 123.0	Promontory Point	WCSO
448.825 -	PL 123.0	Clearfield City	IRLP Node 4654
449.100 -	PL 146.2	Farnsworth Peak	UARC
449.250-	PL 123.0	Weber State Univ	WSC
449.425 -	PL 100.0	Nelson Peak	IRLP - Western Refl
449.500 -	PL 100.0	Farnsworth Peak	UARC
449.625 -	PL 103.5	Mount Logan	BARC
449.925 -	PL 100.0	North Salt Lake	DCARC
449.950 -	PL 123.0	Clearfield City	IRLP Node 3876
ATV - wb7fid	TV Ch 58	Farnsworth Peak	UARC - Utah ATV

## LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mt	Utah Beehive net HF	7.272 Mhz <b>HF LSB</b>
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz <b>HF CW</b>
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz <b>HF LSB</b>
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz <b>HF LSB</b>
Sunday @ 7:15 PM	Weber/Davis ERC	146.820 - 123.0 (ERC training net)
Sunday @ 7:30 PM	GS ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.100 +123.0
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Monday @ 9:00 PM	2-meter SSB net	144.250 Mhz <b>2-meter USB</b>
<b>Tuesday @ 6:30 PM</b>	<b>OARC—Ham &amp; Eggs Net</b>	<b>448.600 -123.0</b>
<b>Tuesday @ 8:00 PM</b>	<b>Weber ARES</b>	<b>448.600 - 123.0</b>
Tuesday @ 8:00 PM	DCARC TECH Net	147.040 + 123.0
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 7:00 PM	Am-Con Northern Utah	448.600 -123.0
Wednesday @ 8:00 PM	GS ARC	145.290-, 145.430-, 448.300- (all 123.0)
Wednesday @ 8:30 PM	CSEGR	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz <b>HF USB</b>
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz <b>6-meter USB</b>
<b>Thursday @ 6:30 PM</b>	<b>OARC - 10 Meter Net</b>	<b>28.375 MHz USB (all hams invited)</b>
Thursday @ 7:30 PM	Davis Co ARES	147.420 = simplex & 449.925 -100.0
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM (3rd Thurs)	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mt (3rd Sat)	RACES State HF	3.920 Mhz <b>HF LSB</b>
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz <b>HF LSB</b>

**73 de W7SU**

**[www.OgdenARC.org](http://www.OgdenARC.org)**

**w7su@arrl.net**

**PO Box 3353 Ogden UT 84409**