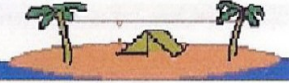


# WATTS NEWS



**The Best of Amateur Radio**

## OARC e-Magazine

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

**OCTOBER 2022**

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)

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## 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

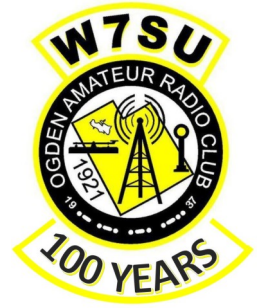
10m Net Control - Gene Morgan WB7RLX  
Antenna Manager – Gene Morgan WB7RLX  
Assistant Photographer - Rick Hansen N7EGA  
Badge Manager – Barbara Siddle KB7FWW  
Club Call Sign (W7SU) Trustee – Larry Griffin AD7GL  
Club Caterer - Ceva Cottrell W7CVA  
Club Chef - Dave Mamanakis KD7GR  
Club Elmer – 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



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## OARC COMING EVENTS

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**Next Meeting/Activity**

**Donation/Auction**

**3rd Saturday 15 October 2022**

**Next VE Test Session**

**1st Wednesday 02 November 2022 @ 6:00 PM**

**A MESSAGE FROM OUR PRESIDENT**



## **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 0200 UTC (7:00 PM MT)

10 Meters HF - **28.385 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.

A record number attended recently ... 17 total.

73, Dave KJ7DAD



Dave DeHeer (KJ7DAD)

**PREVIOUS CLUB MEETING/ACTIVITY**

## PREVIOUS MEETING PICTURES

### DCARC / **OARC** / **UARC** - Joint (tri-county) Swap Meet













## PREVIOUS MEETING PICTURES

Photos by ... **club photographers**



Rick Hansen—N7EGA

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

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

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

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**ALSO**

**Check out the OARC Facebook page**

**"Ogden Amateur Radio Club"**

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

**NEXT CLUB MEETING/ACTIVITY**



## **CLUB NEWS**

### **Next OARC Event**

#### **October Meeting/Activity**

#### **"Donation/Auction"**

**Bring items to donate that you no longer want/need**

**Bring lots of \$\$ to purchase auction items you can't do without**

**3rd Saturday 15 October 2022 @ 9:00 AM**

**Location: Utah Military Academy - 5120 S 1050 W Riverdale UT 84405**

**(Note: Proceeds fund the FREE Steaks at the OARC August Steak Fry)**

**CLUB & HOBBY NEWS**

## **CLUB NEWS**

**Meet OARC's newest, recently elected, officer...**

**Gary Hudman KB7FMS**

**Program Director**



**Welcome aboard Gary**

## CLUB NEWS

Justin Hall KB7LAK and Elliott Moses AF7SE presented at a local Emergency Preparedness conference earlier this month. Take a Look!

Ogden, UT | Weber Stake (5855 Skyline Drive)

# Emergency Preparedness Conference

*Prepare Ye Every Needful Thing*

September 24, 2022  
10AM - 1PM

**Come Out, Interact, Learn, and Ask Questions  
about Emergency Preparedness!**

Justin Hall KB7LAK  
Elliott Moses AF7SE

## Topics Presented:

Earthquake Preparedness  
Emergency Radio Communication (ERC)  
Citizen Emergency Response Team (CERT)  
Sanitation in a Disaster

## Table/Booths:

Food Storage  
Water Storage  
ERC/HAM Operations  
Utah State Department of Emergency Management  
Citizen Emergency Response Team (CERT)  
Gardening for Storage  
Emergency Communication Plan  
Emergency Binder

**\*\*Refreshments to follow (made from Food Storage)\*\***















## Amateur Radio

- The Communications Act of 1934 created the FCC and acknowledged "amateur" radio as a service that could fill the need for a pool of experts who could provide backup communications during emergencies.
- The FCC also acknowledged the ability of the hobby to advance radio technology (STEM) and to enhance international goodwill.
- Amateur Radio operators are required to pass a series of FCC written exams.
- Ogden Amateur Radio Club offers classes and testing for those interested in getting licensed.







## CLUB NEWS

### Ham Shack Photos

Last months mystery ham shack was ...

**Alan Buttars—N7AFR**



## 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

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**CLUB NEWS**

**Unique QSL Cards**



**Janet Thomson KF7NWL**

## 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

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**CONTRIBUTING EDITOR SUBMISSIONS**

## **ARRL Section: Utah**

**Contact: Pat Malan N7PAT**

**Newsletter 07/26/2022**

### **Hello Section!**

Excuse the summertime lag for the newsletter...

With Field Day behind us we can look back on great experiences to tell our friends.

I recruited Wes Pearson KF7LHT to visit Field Day sites with me. Wes has been inactive in amateur radio, but he jumped right in helping to set up towers or whatever was



needed, and he even made a contact with the Space Station!

Speaking of contacts, thank you for the WinLink and other message traffic. That effort earned 100 points for those participating.

We traveled just shy of 1,000 miles between St George and Fish Haven just across the Idaho/Utah border visiting various Field Day locations. You could even follow us on APRS.

It was good to be out and meet people in person. I also had the opportunity to meet visitors, some who came out of curiosity, and some who had not been active hams for years.

I was not alone, as Section staff were making their share of visits too. Some were traveling as far away as West Virginia and even witnessed a CW contact with UVARC (Utah Valley ARC). Check the website for more on that story. Whether it was the Wasatch Front or elsewhere we appreciated your hospitality.

If you have not already done so, submit your FD photos for the website <https://arrlutah.org/?cat=20> so others can 'virtually' visit your Field Day.

Be sure to stop by the website to see what else is happening in the Section. The website certificate issue has been fixed so you won't get that annoying popup with a warning.

In case you may not be aware of it, the Division Convention will be in Casper Wyoming on Oct 7 to 9th. Be sure to check it out. <https://wyhamcon.org/site/> We hope to see you there!

The Baton is passed in Davis county... Joan Rapp K6QJU has been the EC in Davis County since 2018. Her leadership has served Davis County and the ARES membership well. Thank you, Joan!

Joan has set a high standard for her replacement Mike Groves, KD7MG. Mike has a wide breadth of experience. Please join us in giving him your support. Thanks Mike!

ARRL's Specialty Service Club Award has been presented to the Utah Valley ARC with one in the pipeline for another club. Apply today <http://www.arrl.org/ssc-application> and be recognized for what your club is doing. Check with our Affiliated Club Coordinator (and Assistant Section Manger) Ted Cowan, NA7C, [na7c@arrl.net](mailto:na7c@arrl.net) for more information.



Contact me if you are interested in the Public Information Coordinator position.

Enjoy what is left of your summer and 73!

Pat Malan (N7PAT)



## GUEST CONTRIBUTION

By Vice President: KB7LAK - Justin Hall



With the few remaining days of Emergency Preparedness Month, I'll just add this:

Ham radio operators will be called upon to provide some assistance in a disaster, but let me share a story about that.

In my lieutenant days in the Air Force, there was a huge hurricane in New Orleans- you may have heard of it. They had ham radio operators assisting and the connection I didn't make was that we sent jets down to help take pictures of the damage. The OC-135 had the RF-4C Phantom II cameras on it. I mentioned that to my Dad who flew the F-4 and couldn't believe the USAF was still using those. "They were old when I flew with them!" and they retired the RF-4 in 1994, so it's been a minute. So what I should have done as a new General class operator, was ask if I could go along on the OC-135, to assist with the ham radio effort. But I didn't. I made the connection way too late and here every time I flew on the RC-135, I wanted to talk on the HF radio- and they really didn't encourage using the radio to advertise where we were. So I said I was a C-135--that's what we used on the flight plans we filed anyway. It may have helped my career, but the more important part of it, was that it could have helped more people. HF Aeronautical Mobile would have been at least some help. So look for opportunities to help with ham radio by thinking outside the box. It would have made the Air Force look good, too. And it's all about the PR.

So how can we be prepared to help? Keep your station in good working order. Those antenna repairs you want to put off until next spring? This winter if there's a big enough power outage and you need to use your radio under emergency power, it won't do much good if the antenna is down. (The author needs to follow his own advice!) If you have emergency power, ensure it's up to snuff. How's the oil in your generator? Do you have spare oil? Make sure you can get it started - I personally don't run ethanol fuel in anything, especially if it's something that's going to sit. So give that generator a test run, let it warm up, make sure you're good to go. Like anything, it's too late if there's an emergency and you have no gas or oil.

OK, enough carping on that. Let's talk about how much we can make a difference. I had a lot of inquiries about getting licensed at the Emergency Preparedness Fair and a few people came and quietly confessed that they were licensed before. Elliot (AF7SE) was pushing to get people signed up for CERT, which would also help- because if we're all good to go, why not go out and help others? It's what makes Utah a great place. If you're not as mobile, you'll be very helpful in an emergency communications center, running the rigs there. But that only happens if you're ready to go.

Fall is beautiful in Utah, so be sure to get out and enjoy the cooler weather, get projects done, so you're ready for winter and get on the air! It's good for you.

de KB7LAK

## GUEST CONTRIBUTION

By Kent Gardner WA7AHY



**Kent ran across this article and wanted to share it with the rest of us. Thanks Kent!**

# ‘You never know who’s on the other side’: Amateur radio enthusiasts use old-school tech to connect

**W**hen was the last time a total stranger, or even an acquaintance, gave you three minutes – three whole minutes – to share whatever was on your mind?



Puget Sound Repeater Group vice president Jack Wolfe, left, talks with ham radio operators across the Seattle metro area – and the world – during a recent club event in Seattle’s Volunteer Park. (Tony Lystra Photo)© Provided by Geekwire

In the age of social media, we all have bigger and more powerful megaphones than ever. But attention spans are shorter than ever, and the reality is our friends, family and colleagues are likely to doomscroll right past what we’ve shared on Facebook, Twitter and Instagram – especially if it’s a read that takes three minutes or more.

Yet, a group of Puget Sound-area amateur radio enthusiasts are finding a way to be heard — and taking the time to hear each other — using technology that’s more than a century old.

Each day, the Puget Sound Repeater Group, an organization of local ham radio enthusiasts that celebrated its 50th anniversary this year, take to the airwaves for three broadcasts, known as “nets” — once at 9 a.m., again at noon and again at 9 p.m.

The chats can include more than 50 people. Most are from the Seattle area, but voices can appear from as far away as Europe, South America and Australia.

Ham radio nets can resemble a primitive Discord server or even an America Online chatroom circa 1994. After providing their call sign — a string of letters and numbers that identify them on the air — each participant is given up to three minutes to talk about whatever he or she wants — a recent trip, a new job, what’s happening with the kids or whatever else the day brings.

On Aug. 22, the PSRG hosted its 1,000th consecutive “noon-time net.” Jack Wolfe, who started the local tradition, said the milestone underscores ham radio’s dogged popularity more than 120 years after the first amateur radio broadcast and despite the advent of much more modern means of communication.

In fact, the PSRG’s membership includes a large contingent of Seattle tech workers — engineers, coders, product designers and more — who share a common preoccupation: Obsessive tinkering with science and technology.

“This is a friendly group of kind-of nerds,” said Mike Koss, who joined Microsoft in the early 1980s and was an early member of the team that built Outlook, Microsoft’s flagship email client. Koss also invented Microsoft Sharepoint, one of the first cloud file-sharing drives.

Koss, who recalled gabbing on radios with truckers as a teenager, said he joined the local amateur radio club earlier this year after he decided to return to his childhood hobby. He said he’d bought an assortment of radio equipment for a trip to remote Alaska and was reminded of how much he’d enjoyed the hobby. So he got a new ham radio and joined the PSRG.

Amateur radio, he said, is a welcome diversion from the exactness and precision required to build software. “There’s a little bit more experimentation and trial and error,” Koss said.

“There’s a little bit of an art to it.”

Earlier this week, he said, he and his wife were camping in their Sprinter van in Southern Oregon. He raised an antenna attached to the van, fired up his portable ham radio station and before long connected with people in Ukraine, Russia, Canada and Finland.

“That was kind of a cool thing,” he said. “You can talk to someone using your own gear, your own equipment, not connected to the grid in any way and doing it yourself.”

Koss said ham radio is twice as popular in the U.S. today as it was in 1970. There are more than 700,000 licensed ham operators in the U.S. and more than three million worldwide, Koss said.

## A pandemic ‘pressure-release valve’



Amateur radio works much the way it did when Guglielmo Marconi invented the first radio more than 120 years ago. These days the hobby can come with some modern flourishes. Some ham radio operators get help from the web to boost their signals. Many also use spreadsheets to log the people they contact around the world. (Jack Lystra Photo)© Provided by Geekwire

Wolfe said he started hosting the “Noon-Time Net” radio gatherings shortly before the pandemic sequestered everyone in their homes. The timing, he said, couldn’t have been better.

Eight people chimed in on the first day, Wolfe said. Soon there were 18. More and more took to the airwaves as, month after month, the pandemic plodded on.

The “Noon-Time Nets,” Wolfe said, became an antidote to the isolation and loneliness of lockdown. If people called out across the airwaves at noon each day, they could rely on a simple fact: voices would break through the static and answer.

“People just needed to talk and vent and share whatever’s on their mind,” Wolfe said. “It’s like a pressure-release valve.”

Today, Wolfe has made contact with more than 35,000 ham operators worldwide. He’s recorded each one in a Google spreadsheet.

Today’s amateur radio operators use much of the same technology and techniques discovered by Guglielmo Marconi, who is credited with inventing the first radio at the beginning of the 20th century and rapidly developed equipment that could broadcast thousands of miles. Amateurs jumped on the airwaves as quickly as Marconi’s technology became available, and a group of Columbia University students formed the first wireless club in 1908.

Beginners can get started with a requisite FCC license and equipment that costs as little as \$50, Wolfe said. From there, like so many tech hobbies, costs can climb into the thousands as operators upgrade their radios and buy supplies to build their own equipment.

PSRG members said they pride themselves on the club’s inclusivity (the word appeared in conversation after conversation) and will help new members study for their FCC tests, which some members are certified to administer.



(Logo via PSRG.org)© Provided by Geekwire

Quentin Caudron, who has a PhD in computer science and is known across the airwaves as K7DRQ or “Dr. Q,” said he thought ham radio “sounded silly” when several of his “highly technical” friends first introduced him to the hobby.

“I thought it was really old-school and weird,” he said.

Today, Caudron builds his own antennas and serves as PSRG’s club secretary.

“It’s an experimenter’s hobby,” he said, “for people who like to play around and try new things.”

The PSRG has positioned repeaters around the Seattle area, from Cougar Mountain to Capitol Hill, and the club's members use them to broadcast across the country and the world, outmaneuvering the earth's curvature by bouncing their signals off the ionosphere, a layer of the earth's atmosphere about 600 miles above sea level that's electrified by solar radiation.

Late-night hours are perfect for reaching other radio users on far-off continents because the ionosphere's composition changes when it's untouched by the sun's energy. Under these conditions, short-wave and AM radio signals are endowed with strength they wouldn't have in the daylight and can reach thousands of miles.

"At night it really opens up and you get to talk around the world," Caudron said, adding that he recently connected with a man who had spent decades "building a nice little radio station" in Japan, not far from Mount Fuji.

"It sounded very peaceful," Caudron said. "You never know who's on the other side."

Chevonna Vercueil said she's bounced signals off the ionosphere to reach "all of Europe and around the world." She's also contacted people on remote Mauritius Island in the Indian Ocean.

'You can really explore some cool stuff'





Mike Koss, who invented SharePoint for Microsoft, connects with people around the world from a mobile ham radio unit attached to his Sprinter van during an August road trip stop in Oregon. (Photo courtesy of Mike Koss)© Provided by Geekwire

Ham radio operators are also known to bounce signals off the moon, auroras, even meteors and radio-equipped satellites.

“You can really explore some cool stuff,” Caudron said, plucking his cell phone from his pocket and using an app to track satellites’ orbit. As he studied his phone’s screen, Caudron pointed to one passing overhead that would be perfect for magnifying a radio signal.



Similar phone apps can also be used to track the International Space Station and chat with the astronauts aboard as their orbit — at a clip of 17,500 miles an hour, which has the space station ringing Earth once every 90 minutes — brings them briefly within range.

The ISS is equipped with two radios — one its astronauts use to talk with school students in their classrooms and another that serves as a simple repeater, Caudron said.

All you need is a handheld radio and a signal-boosting antenna known as a “Yagi” to make contact with the astronauts, who respond according to a set of communications protocols.

“We’ve got you up here at a 5-9,” the astronauts say, meaning they can hear the terrestrial operator’s voice loud and clear. “Thank you. Warm regards.”

“The excitement is unbelievable” the first time radio operators hear an ISS crew member’s voice, Vercueil said. “Some people are into that in a big way.”

Radio enthusiasts are known to take their hobby down any number of endlessly deep rabbit holes. Some get into amateur radio just to do Morse Code.

Others focus on how far their signals can reach and how many people from far-off countries they can contact. Some augment their radio setups with web connections that amplify their signals. Others go old-school, relishing in the challenge of reaching across the globe using low-power equipment.

One PSRG member builds antennas in his kitchen out of pots and pans and spatulas.

“He’s like a mad scientist,” Vercueil said. “I still don’t know how he’s doing it.”

There are also ham enthusiasts who get a special certificate to assist during an earthquake or other disaster that takes down the power grid and disables traditional communications. In fact, the promise of being able to communicate with other family members during an emergency often brings new operators to the hobby, the Repeater Group’s members said.

Ham operators are the last line of defense when it comes to communications during a disaster, said Vercueil, who regularly participates in drills and exercises in preparation for such an event. Amateur radio stations, she said, can coordinate relief flights and track the movement of planes, emergency equipment and rescue workers during a disaster.

“It’s acting like the control tower that’s down,” Vercueil said.

In mid-July, Vercueil hosted her own nets from her home country of South Africa while visiting family. She said she'd brought with her a battery pack and a radio setup designed for her by a top executive at Blue Origin, Jeff Bezos' Kent, Wash.-based spacecraft company.

"You should have heard the excitement," she said of the ham users who logged on for a rare chance to connect with a South African radio. "It was fever-pitched."

The South Africa broadcasts were especially challenging, Vercueil said, because the country's aging power grid, which is beset by theft, vandalism and corruption, shuts down three or four times each day.

"I was hosting my net by candlelight," Vercueil said, adding that she kept her listeners posted on what was unfolding. "It was exciting for folks back in the States."



PSRG club secretary Quentin Caudron, left, and Jack Wolfe, the club's vice president, broadcast using ham radio equipment during an Aug. 14 event in Seattle's Volunteer Park. (Tony Lystra Photo)© Provided by Geekwire

During the 1,000th Noon-Time Net, crackling gave way to a single beep at 12 p.m. on the dot and the airwaves came alive with voices. People enthusiastically called out their call signs —

“Kilo Juliet Seven X-Ray ... W7DNT ... N3QPK ... KE7NOR ... KC7 Zulu 7 Delta” – and then gave their names and locations.

So many chimed in at once (the phenomenon is known as a “pile up”) you could barely make out what anyone was saying. But Wolfe has been doing this long enough he recognized several of the voices in the fray. He read the call signs back so each “station,” as radio setups are known, so they knew they’d been heard loud and clear.

Operators broadcast from Seattle, Bellevue, Olympia, Federal Way, Mill Creek and other nearby cities. The radio waves carried one man’s voice all the way from Galveston, Texas.

Wolfe, who was broadcasting with a portable 10-watt radio and battery pack from Mount Maxwell in Canada, sounds a bit like a commercial radio DJ when he hosts these nets. He’s friendly, and speaks at a quick clip, smooth and with purpose.

“Nice to hear you today,” Wolfe would tell the operators. “Thanks for dropping by.”

In all, 28 men and women signed on. One woman noted during her three-minute report that her parents, also amateur radio enthusiasts, were listening with her, and she provided their call signs along with hers. One man said he was about to take a new job in Hood River, Ore. Another woman said she was eagerly waiting for her lunch – burritos from a favorite restaurant in Seattle’s Beacon Hill, for which she gave an enthusiastic plug.

Most congratulated Wolfe on the day’s milestone, which they agreed was a worthy accomplishment, and thanked him for showing up each day on the air.

“Have a great net, Jack,” one woman said

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## Proposals Sought For Amateur Radio Crew Contacts From The International Space Station

10/07/2022 Amateur Radio on the International Space Station (ARISS) is seeking formal and informal education institutions and organizations, individually or working together, to host an amateur radio contact with a crew member onboard the International Space Station (ISS) in 2023.

Organizations that want to participate will need to submit a proposal no later than November 13, 2022. ARISS is looking for proposals that will draw large numbers of participants and integrate into a well-developed education plan. To assist with the proposals, ARISS has posted information about expectations and guidelines on their [website](#). In addition, an ARISS Proposal Webinar session will be held on October 13, 2022, at 8:00 PM ET. The Eventbrite link to sign up for the webinar is <https://ariss-proposal-webinar-fall-2022.eventbrite.com>.

ARISS anticipates holding the contact between July 1 and December 31, 2023. Crew scheduling and ISS orbits will determine the exact radio contact dates. Crew members aboard the ISS will participate in scheduled amateur radio contacts approximately 10 minutes in length, and they'll allow students to interact with the astronauts through a question-and-answer session.

An ARISS contact is a voice-only communication opportunity via amateur radio. It takes place between astronauts and cosmonauts aboard the space station, and classrooms and communities. ARISS contacts afford education audiences an opportunity to learn firsthand what it's like to live and work in space. Such contacts provide the chance to learn about space research conducted on the ISS. Students will also have an opportunity to learn about satellite radio communication, wireless technology, and radio science.

Amateur radio organizations around the world, with the support of NASA and space agencies in Canada, Japan, Europe, and Russia, present educational organizations with this opportunity. The ham radio organizations' volunteer efforts provide much of the equipment and operational support that enables communication between the ISS crew and students around the world.

ARISS is a cooperative venture of international amateur radio societies and the space agencies that support the ISS. In the US, sponsors are the Radio Amateur Satellite Corporation (AMSAT), ARRL The National Association for Amateur Radio®, the ISS National Laboratory Space Station Explorers, Amateur Radio Digital Communications (ARDC), and NASA's Space Communications and Navigation (SCaN) program. The primary goal of ARISS is to promote exploration of science, technology, engineering, the arts, and mathematics topics. For more information about ARISS, visit their website at [www.ariss.org](http://www.ariss.org).



# O'bay Swap

(repeat)

SWAP ITEM # 235

FOR SALE:

**KENWOOD TS440s HF Transceiver**

Its in like new condition and works perfectly. It has an internal tuner and the stock filters.

ASKING PRICE: **\$ 400**



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

# 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>

**CLUB REFERENCE MATERIAL**

## CLUB REPEATER NEWS



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.

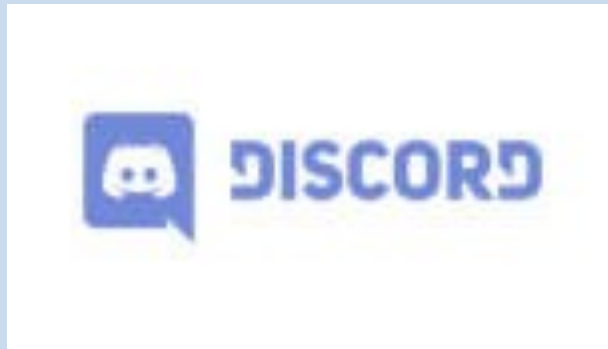
The cost is **\$12.00** each. The badge comes with a “MAGNETIC” clip. Badge includes your Call Sign in large letters and your First Name in a somewhat smaller font in white lettering on a pitch black background with the club logo. See example below.



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** (Co-Liaison)

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

**Gil Leonard N7GIL** (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
OgdenARC	<a href="http://ogdenarc.org">ogdenarc.org</a>	3 <sup>rd</sup> Saturday 09:00 am	Check OARC web site ...
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	<a href="http://barconline.org">barconline.org</a>	2 <sup>nd</sup> Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSErg	<a href="http://dcarc.net/ares.htm/">dcarc.net /ares.htm/</a>	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	<a href="http://dcarc.net">dcarc.net</a>	2 <sup>nd</sup> Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	<a href="http://home.comcast.net/~noutares/">home.comcast.net/ ~noutares/</a>	3 <sup>rd</sup> Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	<a href="http://xmission.com/~uarc/">xmission.com /~uarc/</a>	1 <sup>st</sup> Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
UVarc	<a href="https://uvarc.club">https://uvarc.club</a>	1 <sup>st</sup> Thursday 6:30 pm	Orem City Council Chamber Room 56 North State St. Orem Utah
GSarc	<a href="http://Ubetarc.org">Ubetarc.org</a>	Check Website	Check Website
Utah DX Association	<a href="http://udxa.org">udxa.org</a>	3 <sup>rd</sup> Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	<a href="http://ussc.com/~uvhfs/">ussc.com /~uvhfs/</a>	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	<a href="http://westdesertarc.org/">westdesertarc.org/</a>	1 <sup>st</sup> Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	<a href="https://groups.google.com/forum/#!forum/wsuarc">https://groups.google.com/forum/#!forum/wsuarc</a>	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			
FREQ	CLUB	TONE	LOCATION
146.900-	OARC (*)	125 DCS	Mt Ogden (w/WiresX)
448.600-	OARC (*) "talk-in"	123.0	Mt Ogden
146.820-	OARC (*)	123.0	Little Mtn
448.575-	OARC	100.0	Little Mtn (no autopatch)

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
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 @ 7:00 PM</b>	<b>OARC - 10 Meter Net</b>	<b>28.385 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**