

WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

JUNE 2024

Next Club Meeting/Activity/Events

Look Inside



Craig Howe W0VRM
President



Justin Hall KB7LAK
Vice President



Colleen Pike KJ7EAY
Secretary



J. Siddle KG7CJN
Treasurer



Gary Hudman KB7FMS
Program Director



Mike Fullmer KZ7O
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

OARC Website Masthead

www.OgdenArc.org

OARC OFFICERS

President: Craig Howe W0VRM

Vice President: Justin Hall KB7LAK

Secretary: Colleen Pike KJ7EAY

Treasurer: J. Siddle KG7CJN

Program Director: Gary Hudman KB7FMS

Activity Director: Mike Fullmer KZ7O

OARC ADVISORS (past presidents)

Gary Liptrot N7ZII

Mike Fullmer KZ7O

Kent Gardner WA7AHY

Kim Owen KO7U

Larry Griffin AD7GL

Gil Leonard NG7IL

Jason Miles K7IET

Dave Mamanakis KD7GR

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 - Mike Fullmer KZ7O

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 Facility Manager—Dave Mamanakis KD7GR

Club Technical Support – Rick Morrison W7RIK

Equipment Loan Program - Val Campbell K7HCP

Equipment Manager - Dave Mamanakis KD7GR

FD Log Manager - Jason Miles KE7IET

Field Operations Manager - Gene Morgan WB7RLX

Ham & Eggs Breakfast – Dave DeHeer KJ7DAD

Ham & Eggs Net Control - Kenny Pronschinske K17UFN

Ham & Eggs Net Control – Larry Griffin AD7GL

Ham & Eggs Net Control – Stan Sjol W0KP

Ham & Eggs Net Control – Bryce Draper K17YZU

Historian/Librarian – Kent Gardner WA7AHY

Media Manager—Kent Gardner WA7AHY

Photographer – open

QSL Manager – Pete Heisig AI7GV

Repeater Engineer – Mike Fullmer KZ7O

Repeater Engineer – Scott Willis KD7EKO

Social Media Manager - Dave Mamanakis KD7GR

YouTube Videos - Jason Miles KE7IET

VE Liaison Operations – Rick Morrison W7RIK

VE Assistant - open

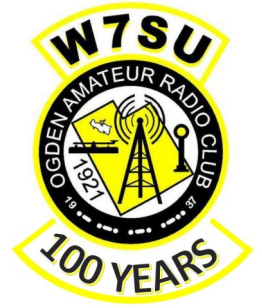
VE IT – Jason Miles KE7IET

YL Net Control—Teresa Haymaker N4MBA

Zoom Manager – Justin Hall KB7LAK



OARC COMING EVENTS



Next Meeting/Activity

ARRL Field Day

Sat & Sun 22 & 23 June 2024

Marriott Park

More inside

**Congratulations to those who successfully tested
at the latest OARC VE TEST Session**

EXTRA	CALL
-------	------

GENERAL	CALL
---------	------

TECHNICIAN	CALL
------------	------

See inside newsletter

Next scheduled VE Test Session

1st Wednesday 02 October 2024 @ 6:00 PM

CLUB ANNOUNCEMENTS

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.

Net Control: Larry Griffin (AD7GL), ad7gl@arrl.net

Stan Sjol (W0KP), stansjol@xmission.com

Kenny Pronschinske (KI7UFN), kennypron@hotmail.com

Bryce Draper (KI7YZU), brycejill@outlook.com



Larry Griffin
AD7GL



Stan Sjol
W0KP



Kenny Pronschinske
KI7UFN



Bryce Draper
KI7YZU

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: Mike Fullmer KZ7O, kz7o@arrl.net



Mike Fullmer KZ7O

... New ...

“YL” Ladies Only Net

Monday Evening (19:00) 7:00 PM MT

70 cm Repeater - 448.600 MHz (neg offset, PL=123)

Purpose is to promote the “YL” lady operators an opportunity to mingle together (without men operators bothering them—Hi Hi).

Net Control: Teresa Haymaker N4MBA



Teresa Haymaker N4MBA

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:

The Rusted Spoon-Ogden (previously The Stagecoach)

1310 Wall Ave, Ogden, UT

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

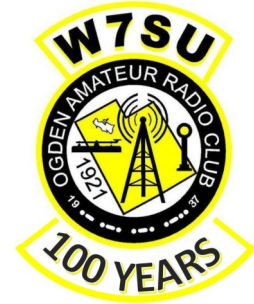
73, Dave KJ7DAD



Dave DeHeer KJ7DAD

A MESSAGE FROM OUR PRESIDENT

Craig's Corner - A Message from our President



Craig Howe W0VRM

Craig's Corner June 2024

Hello ham family,

This month is our Summer Field Day on the 22nd of June at the Marriott-Slaterville City Park (across from the IRS) at 1025 South 1200 West. Setup will begin at 9:00 am. The event goes 24 hours from noon Saturday through Sunday at noon. Check our website and Facebook page and this newsletter for particulars.

We are now into our outdoor season for Club meetings as follows:

June 22nd, field day

July 12th and 13th, HamCon:Zion at the Dixie Center in St. George

July 20th, Fox Hunt and breakfast

August 17th, Annual Steak Fry and Elections 5 pm Marriott-Slaterville park

September 21st, Tri-club Swap Meet at Bountiful City Park

October 19th, Annual OARC Auction back at UMA

We will have a booth at HamCon:Zion to showcase our club. We have prepared materials for the booth and if you wish to assist in manning the booth at times throughout the conference, please email me @ craigshowe@gmail.com.

We have accomplished many things already this year and during the months of August and September we are inviting all who wish to participate in an on-line Amateur Extra course presented by Stu Turner.

We will have zoom and in-person sessions to support the course, but it is primarily an online, home study course. More info on the website and Facebook page to come. This is also a great course for those who have already obtained their Extra license and the materials from Stu are available to those who register without expiration. Great reference material.

Next month we will re-cap our year.

Until next time, 73 all.

Craig W0VRM

NEXT CLUB MEETING/ACTIVITY

CLUB NEWS

Next Club Meeting/Activity

ARRL Field Day

Sat & Sun 22 & 23 June 2024

Marriott Park

12 PM Saturday Thru 12 PM Sunday

Setup

9:00 AM Saturday

(please consider coming out to help setup)

>>> [Check website for details](#)

PREVIOUS CLUB MEETING/ACTIVITY

CLUB NEWS

PREVIOUS CLUB MEETING

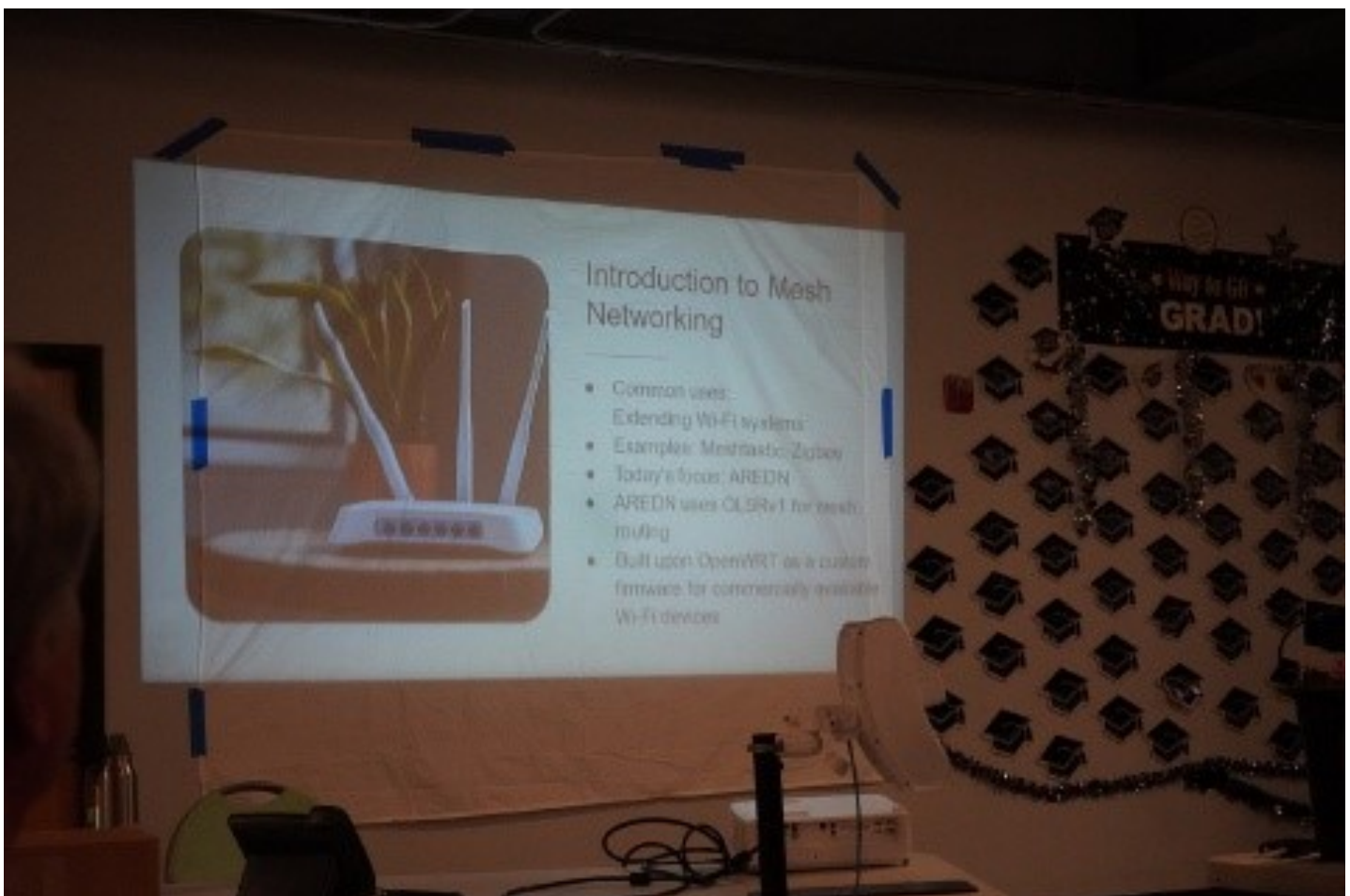
3rd Saturday 18 May 2024

9:00 AM

Location: UMA

May club meeting featured a presentation by James Alton K7DEV on the Amateur Radio Emergency Data Network (AREDN) & Mesh Networking.











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"

CLUB & HOBBY NEWS

HOBBY NEWS

ARRL Systems Service Disruption

06/04/2024

Updated 6/4/2024

On or around May 12, 2024, ARRL was the victim of a sophisticated network attack by a malicious international cyber group. ARRL immediately involved the FBI and engaged with third party experts to investigate. This serious incident was extensive and categorized by the FBI as “unique,” compromising network devices, servers, cloud-based systems, and PCs.

ARRL management quickly established an incident response team. This has led to an extensive effort to contain and remediate the networks, restore servers, and staff are beginning the testing of applications and interfaces to ensure proper operation.

Thank you for your patience and understanding as our staff continue to work through this with an outstanding team of experts to restore full functionality to our systems and services.

We will continue to update members as advised and to the extent we are able.

This story will be updated with new developments.

Updated 5/31/2024

Our phone system has been returned to service. ARRL may be reached at 1-860-594-0200 or 1-888-277-5289 (toll-free in the US), Monday through Thursday from 8 AM to 7 PM Eastern Time, and until 5 PM on Fridays. Members can also email general inquiries to hq@arrl.org.

The ARRL International Digital Contest is this weekend, June 1 - 2, 2024, and the ARRL June VHF Contest is June 8 - 10, 2024. The ARRL Contest Portal will be available with limited functionality at contests.arrl.org.

Log submission pages will continue to be available at contest-log-submission.arrl.org, and logs received can be viewed at contests.arrl.org/logsreceived.php. The log submission links are also available on the contest landing pages at www.arrl.org/arrl-digital-contest and www.arrl.org/june-vhf.

Members are reminded that the June 2024 issue of *QST* magazine, the special ARRL Field Day edition, can be [viewed online](#). Members may also access digital editions of *QST* dating back to 2012. Access to archives for *QST* issues older than 2012, which are accessed through the ARRL website, is not presently available. For *On the Air*, *QEX*, and *NCJ* magazines, members may access the current issues and previous issues back to 2020. Visit www.arrl.org/arrl-magazines for links to all four magazines and to download the ARRL Magazines app.

Work is continuing to publish the July 2024 issue of *QST* magazine. We anticipate an on-time delivery of the digital edition, and delayed delivery for those who subscribe to the printed magazine.

We have heard from members asking if they can renew their membership at this time. Members can renew online at www.arrl.org/join or by phoning ARRL.

As reported earlier this week, ARRL Store orders (www.arrl.org/shop) have resumed shipping.

This story will be updated with new developments.

Updated 5/29/2024

This update includes information about the status of several services as we continue to respond to a serious incident involving access to our network and systems.

The ARRL Volunteer Examiner Coordinator (ARRL VEC) has resumed the processing of Amateur Radio License applications with the FCC. A more comprehensive update on the status of ARRL VEC services is available [here](#).

There has been no interruption to visitor operating at W1AW, the Hiram Percy Maxim Memorial Station. The station resumed voice bulletins on Thursday, May 23. All other scheduled transmissions, including Morse code practice, and code and digital bulletins, will resume on Thursday, May 30. Please refer to the regular operating schedule at www.arrl.org/w1aw-operating-schedule.

After last week's distribution of the ARRL Letter, our e-newsletter service has resumed. Current editions of ARRL Club News and The ARES® Letter have also been distributed.

ARRL Store orders have resumed shipping. Orders are being fulfilled from earliest order dates to the latest. Please allow additional time for our processing.

There has been no disruption to the @arrl.net email forwarding service, though forwarding email addresses and aliases cannot be modified at this time.

Our telephone system is unavailable at this time.

We appreciate your patience as we continue working on restoring access to affected systems and services.

This story will be updated with new developments.

Updated 5/22/2024

We are continuing to address a serious incident involving access to our network and systems. Several services, such as Logbook of The World® and the ARRL Learning Center, are affected.

We have heard from many LoTW® users, asking about the status of the service and its data. This is not an LoTW server issue, and LoTW data is secure.

Our editorial and production team is preparing the July issue of *QST* magazine, which is still going to press. It may be delivered a few days late to members who receive print subscriptions. The digital edition should be published on time.

We appreciate your continued patience as our staff and others work tirelessly to restore affected systems.

This story will be updated with new developments.

Updated 5/17/2024

Some members have asked whether their personal information has been compromised in some way. ARRL does not store credit card information anywhere on our systems, and we do not collect social security numbers. Our member database only contains publicly available information like name, address, and call sign along with ARRL specific data like email preferences and membership dates.

Original story below:

5/16/2024

We are in the process of responding to a serious incident involving access to our network and headquarters-based systems. Several services, such as Logbook of The World® and the ARRL Learning Center, are affected. Please know that restoring access is our highest priority, and we are expeditiously working with outside industry experts to address the issue. We appreciate your patience.

This story will be updated with new developments.

<http://www.arrl.org/news/arrl-systems-service-disruption/>

A MESSAGE FROM OUR VICE PRESIDENT By Justin Hall KB7LAK



Summer is here and that means it's time to get ready for Field Day! We are competing with an airshow again this year, and I have the added pressure of an old friend trying to pull me out there, so I may have to balance the time.....

In May, we had James K7DEV, explain the nuances of AREDN and the mesh network we're trying to get set up in Weber County. The reason for this is to get another way to communicate with a lot of people at once and move a lot of data. He had a lot of dish antennas for sale, and he sold most of them, and can get more. The network is only made better by adding more people to it. And Weber County faces a challenge with the geography and topography, so we're going to face different challenges than a place like Nebraska- because while we both have trees, there's mountains and canyons that will increase the challenge of getting connected. So think about getting on the network--we want to tie into the Davis County network and have even greater coverage. Kick it around and see if it's right for you.

For Field Day--come and play radio! Help set up, or tear down. But come and get on the radio and help us earn the points. Enjoy everyone's company and enjoy the time. We'll have burgers and hot dogs and sides. I enjoy the rush of Field Day when there's a frequency jammed with people calling and trying to record callsigns as fast as possible. It's a fun activity, so join us and come out and work some stations and say hi to the club members.

The HF conditions are certainly interesting of late. Hopefully the sun leaves the ionosphere alone enough that we can use it for DX. Guess we'll see. The auroras are sure pretty, and I remember those as a new ham back in the early 1990s.

Lots coming up this summer and throughout the year! We have GMRS folks joining us on the ham bands. And we welcome you! Get involved and join in the fun.

DE KB7LAK— Justin, OARC VP

A MESSAGE FROM OUR ACTIVITY DIRECTOR

By Mike Fullmer KZ7O



Special Events (Field Day)

By Mike, KZ7O

Did you read last months article? This is a follow up to that one. The largest Amateur Radio Special Operating Event each year is what is called **Field Day**. It is where clubs or groups of hams get together and set up their HF stations (or other kinds of stations) and make contacts with as many other hams or groups as possible across the country. It is just a fun activity. It was originally designed as a portable station practice activity. Hams would setup a portable station, with emergency power, and operate for 24 hours. It still has that function, but has grown to just be a fun activity.

It is always the 4th full weekend of June. It starts on Saturday at noon and finishes at noon on Sunday. This year it is June 22 and 23rd.

Some clubs or groups are very serious and really work to put up the biggest and best antenna's and radio setups to make as many contacts as possible. Some groups just get together and have a party. The Ogden Amateur Radio Club is in the middle. We setup two stations with two antenna's and keep both of them going for 24 hours. Well, on Saturday both of them are going. Late Saturday night participation dies off. Same thing on Sunday.

There are lots of regulations about how to get extra points. Things like setting up a VHF station, satellite stations, and many other things that all count as points. It is designed to be a very public activity. There are points for inviting dignitaries, such as government leaders. There are points for advertising. Last year, I setup a 6 meter station and made a few contacts with other clubs in Utah.

As mentioned, our club sets up two stations. Some large clubs, from California or on the east coast setup more than 10 stations. I have heard some that had 15 stations. They fill a park with wires, antenna's, and radio setups of all sorts.

We use the Marriot Park, just west of the IRS building on 12th street. The city allows us special permission so that we can stay all night. They have been very accommodating to the club over the years. They have a nice bowery and kitchen we can use. As long as they leave the sprinklers off that night we are ok. They try to remember to do that.

We start setting up around 9am on Saturday, the 22nd. The goal is to be ready to go at noon. We operate the radio and visit with each other throughout the afternoon. Come help setup and then go away and return later in the day if you want. You can come and go as you wish.

The club will have a barbeque dinner around 5pm. No steaks, just burgers and dogs. Bring a dish to share. Also bring your own plates, utensils, and cups.

We really need people to come and help out with setup. So, show up around 9am and if you need to leave, feel free to go away and then come back later.

If you ever wanted to hear what a HF band sounds like with 1000's of stations on the air at the same time, this is the time. It gets a little crazy sometimes.

Mike KZ7O

CLUB NEWS

By Craig Howe W0VRM



What is a radio net?

When a group of radio operators get together over the air on a specific frequency and at a specific time and for a specific purpose, we refer to this gathering as a “Net”.

There are several “types” of nets available. Examples include: ARES (emergency), Social, and Training.

Most nets are “directed nets” which means that the net is directed by a net control operator (NCO, or net control station (NCS). Directed nets provide for an orderly means of controlling communications by channeling all communications through the net control operator and only transmitting with the permission of a net control operator.

Nets typically begin with a brief explanation of the net’s purpose and how it operates. Then the NCO will perform a check-in for operators who wish to join the net. The check-in may be done from a list of known operators (a roll call check-in), or simply by asking for operators to call in with their call sign, name, and possibly location (check-in by call sign).

When checking into a net it is customary to indicate if you have traffic for the net. Traffic consists of announcements, comments, questions, or items of interest to the group.

Often traffic is handled at once after the check-in is complete and most of the participants are on board and ready to hear it.

Once checking into a net it is good practice to remain with the net until released by the net control operator. This is especially critical if you are participating in an emergency net with an assignment. If you need to be relieved, contact the net control operator and indicate that you need to leave AND provide the net control operator with the name and call sign of your replacement who will be assuming your assignment.

If an operator has an emergency situation and finds a net that is in progress, they may “break” into the net by saying “Emergency” or “Priority” and giving their call sign. All traffic on a net or on any frequency upon hearing and emergency break tag, is to immediately pause and direct their attention to the operator who called with the emergency. The frequency is then dedicated to handling the emergency until it is either resolved or the emergency traffic is moved to a different frequency.

Nets are a fun way to learn about your radio, how to use it, and receive help from other operators.

Becoming a net control operator is a valuable experience especially given the fact that when an emergency occurs, the first operator on frequency becomes the NCO until another is appointed. We all benefit from practicing listening for call signs and names during net check-ins and writing them down. This is the most important part of being an NCO to have participant info available when going back to solicit input from each operator.

Craig Howe W0VRM

CLUB NEWS

By Craig Howe W0VRM



How to get your FCC FRN number

AND

How to Register for a OARC sponsored VE Test Exam Session at HamStudy.org

The link to register for each OARC sponsored VE Test Exam Session can be found on the OARC website VE Test tab. [Http://OgdenARC.org/vetest.html](http://OgdenARC.org/vetest.html)

The fee to take the exam is \$14.

If you have not obtained an FRN number from the FCC, you will need to get that number as it is used as part of the class registration process. You may register for an FRN with these instructions.

Go to the FCC Registration - Login page at <https://apps.fcc.gov/cores/>

Enter your registered username and password under "Username Login" and click LOG IN

Click Register New FRN

Select An entity or An individual under "Are you registering as an entity or as an individual?"

Select Yes or No under "Is your contact address within the United States or its territories?"

Click CONTINUE

After verifying your email address, you should receive an FRN immediately on the registration confirmation web page. You can also use CORES to manage your FRN and view financial information.

Craig Howe W0VRM

CLUB NEWS



2024 Service Events

May 4, 2024 – East Canyon Bike Race.

www.wportsamevents.com/east-canyon-rr

Contact: Annettelaughter@yahoo.com to assist with comms.

May 11, 2024 – Front Runner Metric Century bike ride

<http://www.frontrunnercentury.com/>

Contact: n7xdl.dan@gmail.com

May 18, 2024 – Wild Horse Ride

<https://docs.google.com/forms/d/e/1FAIpQLSdO1VdjKcdMu5Fg43j-v00DT8QHAAZxo6-cCgkx7fuxXkoADQ/viewform>

To help, complete the form above.

Contact: Rex KC7SHL

June 22, 2024 – Emigration Canyon Half Marathon

<https://www.raceentry.com/run-emigration-10-miler-half-marathon/race-information>

Contact: Annettelaughter@yahoo.com to assist with comms.

July 3, 2024 – North Salt Lake City fireworks

Contact: Nick Able KG7EES, KG7EES@arri.net

July 4, 2024 – Layton City Parade and Fireworks

Contact: Craig Howe W0VRM, craigshowe@gmail.com

July 24, 2024 – Bountiful Handcart days

Contact: Steve Billingsley – N1USU

CLUB NEWS

Griffin Mobile Welder

I can come to assist operators with towers, mounts, and repairs.



CLUB NEWS



Remember the good old days?

CLUB NEWS

Congratulations to those who successfully tested at the latest OARC & DCarc VE TEST Session.

**Congratulations to those who
successfully tested at the latest
OARC VE TEST Session**

EXTRA

GENERAL

Boyd, Eric V --- KK7BBA
Daich, Jon E --- KI7AAW
Davis, Roger B --- WA7ZBN
Harper, Carl --- KK7TBP
Perry, David T --- KE7IFF
Perry, Jacob D --- K7MLU
Singleton, Anna M --- KK7GNY
Sullenger, Ethan --- KK7SYU
Vogel, George C --- N7ADV
Wise, Walker Y --- KK7QWE

TECHNICIAN

Cain, Ryan F --- KK7SYV
Cousineau, Cole --- KK7SYS
Teerlink, James --- KK7SZQ

**Congratulations to those who
successfully tested at the latest
DCarc VE TEST Session**

EXTRA

GENERAL

Munger, Casey H --- KB7VRN

TECHNICIAN

Brown, Greg S --- KK7TMC
Brown, Louise --- KK7TMD
Haman, Michael J --- KK7TLU
Hamblin, Matthew --- KK7TLT
Handy, Brandon S --- KK7TME
Hunter, David L --- KK7TMB
Johnson, Joshua M --- KK7TLV



(repeat)

WHY JOIN ARRL ?

**Join ARRL through OARC and receive a
free one-year membership upgrade in OARC**

Please consider that you may want to becoming a member of ARRL if you are not currently or have not been for at least two years ...

The Amateur Radio Relay League [ARRL](#) is the national membership association for Amateur Radio operators. ARRL membership includes digital access to “QST” magazine and “On The Air” magazine. Optionally you can sign up for hardcopy subscriptions to the magazines.

OARC is an affiliated ARRL club and has been since 1937. However, to maintain OARC’s affiliation, OARC must maintain that over 50% of our members are also members of ARRL.

Fill out this form, joining ARRL through OARC, and bring/send it to OARC.

(form shown on the following page for display only. Check OARC website for actual form)

NOTE: All OARC members

Please check the OARC Membership Roster tab on the OARC website homepage and confirm that we have the correct info for your membership:

Call Sign, License Class, and ARRL Membership "Y" or "N".

Please eMail any discrepancies to the club eMail address: w7su@arrl.net.



ARRL
The National Association for
Amateur Radio®

Membership Application

☐ New ☐ Renew ☐ Previous Member ☐ Unlicensed

Name _____ Call Sign _____

Address _____

City _____ State _____ ZIP _____

Email _____ Phone _____

Date of Birth ____ / ____ / ____

My Family Member is Joining or Renewing: (\$12 per member)

Name _____ Call Sign _____

Name _____ Call Sign _____

☐ Please note my new address ☐ I do not want my name and address made available for non-ARRL related mailings

Your Annual Membership Dues*

Circle Your Choice (rates effective Jan. 1, 2024)

	1 Year	3 Years
Standard membership	\$59	\$174
Family (same membership exp. date and address)	\$12	\$36
Student (must be under age 26)	\$30	
Blind (requires one-time statement of legal blindness)	\$12	\$36

Add-on ARRL Subscriptions

QST, ARRL's membership journal for active radio amateurs.

☐ 1 Year \$25* ☐ 3 Years \$75*

On the Air, For beginner-to-intermediate-level radio amateurs.

☐ 1 Year \$25* ☐ 3 Years \$75*

Member Benefits

Your membership supports benefits, services, and programs that keep you active and on the air.

Membership Includes:

- Access to four digital magazines and archives (*QST*, *On the Air*, *QEX*, & *NCJ*)
- Unlimited courses through the ARRL Learning Center (learn.arrl.org)
- Logbook of The World®, contests, and award programs

...and more!

*A print subscription for *QST* and/or *On the Air* requires an ARRL membership. Dues and subscription rates are subject to change without notice and are non-refundable.

Payment Information

\$ _____ **Total Charge to:** ☐ Visa ☐ MasterCard ☐ AmEx ☐ Discover ☐ Check Enclosed

Card Number _____ Expiration Date _____

Card Holder's Signature _____

Toll Free (US) 1-888-277-5289 or 860-594-0200 • ARRL, 225 Main St., Newington, CT 06111-1400
membership@arrl.org • www.arrl.org/join

CLUB
form rev 1/24

CLUB NEWS

Ham Shack Photos

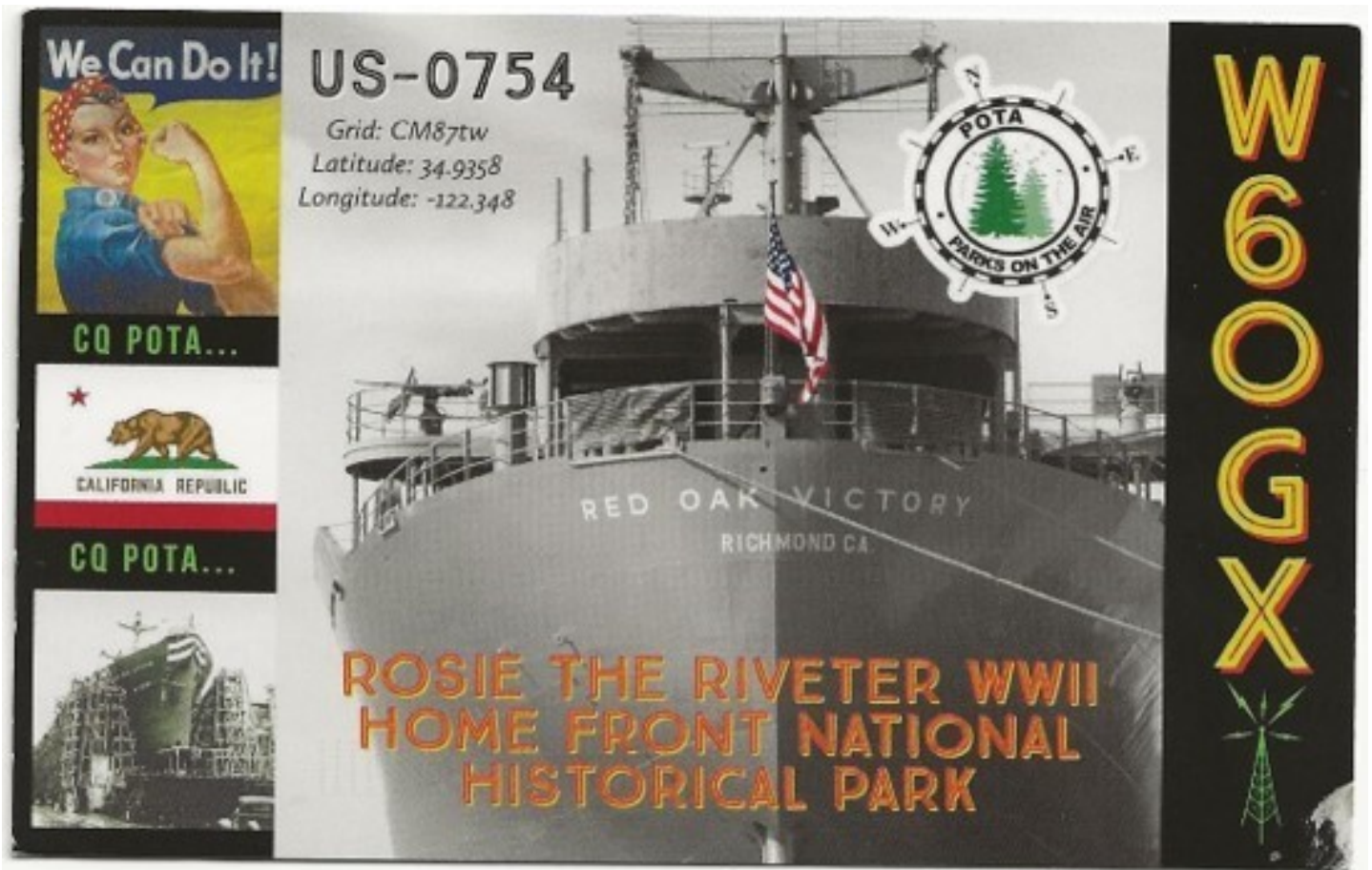
STILL WANTED—STILL NEEDED

Send me your Ham Shack Photos soon!

Submit to: k7hcp@arrl.net or w7su@arrl.net or 801.389.0690

CLUB NEWS

Unique QSL Cards



From Stan Sjol W0KP

CLUB NEWS

Unique QSL Cards

STILL WANTED—STILL NEEDED

Send me your QSL Card Photos soon!

Submit to: k7hcp@arrl.net or w7su@arrl.net or 801.389.0690

CONTRIBUTING EDITOR SUBMISSIONS

GUEST CONTRIBUTION

By Mike Fullmer KZ7O



Golden Spike Special Event Station Report

By KZ7O

On Friday, May 10 and Saturday May 11, the Ogden Amateur Radio Club sponsored a Special Event HF station. We operated under the callsign W7G. We use this same callsign every year.

It is a fun activity. We did not have a lot of participation from club members, but I appreciate those that did make the trip to visit. Those that did not come, missed out on a fun event.

A special thanks to Kent, WA7AHY, for providing the morse code demonstration table. It is wonderful that he does this so well. For those that have not seen this, you are missing out. He has several morse code keys connected to buzzers and some sounders. They all work and generate a lot of interest for the public that comes by. He even has an old click clack code key that sounds just like the old telegraph keys.

As far as radio contacting goes, we made 75 contacts on Friday and 15 contacts on Saturday. Friday was successful, but Saturday was a radio blackout day. Friday night a huge solar storm occurred and wiped out all HF bands. Finally, around noon on Saturday, we could just barely start to make a few contacts, but they were hard to do. HF radio is very subject to sun conditions. So, those of us that were there just visited each other and with the public visitors that stopped by.

There are pictures on the website of our setup.

73, Mike KZ7O



GUEST CONTRIBUTION

By Kent Gardner WA7AHY



Solar Storms, Blackouts and Golden Spike 10-11 May 2024

Our Ogden Amateur Radio Club's (OARC) effort in sponsoring the Golden Spike Special Events Station W7G appeared to be a satisfying experience for those members who participated.

Mike Fullmer, KZ7O was kind enough to take my Morse code key display to Golden Spike and to return it. The following picture shows the test setup before going to the site. Sorry about the tape and marker.

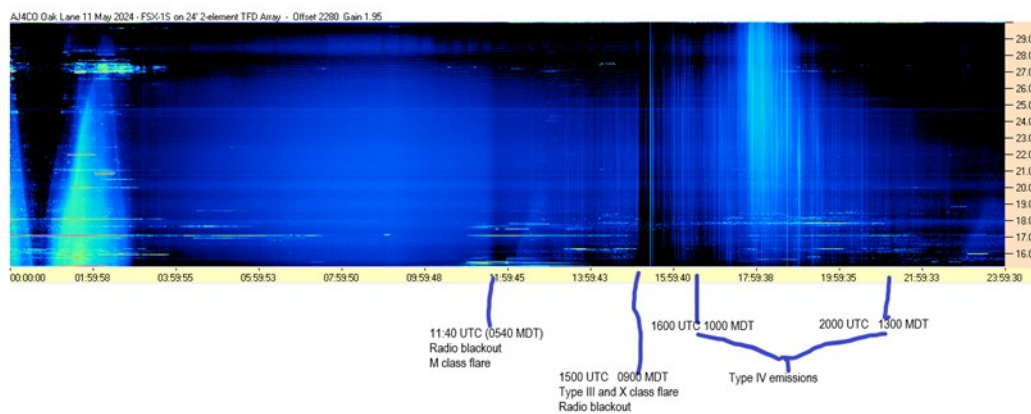


During our conversations, he mentioned that the bands went dead on Saturday 11 May 2024. In Mike's story above, we know that Saturday was pretty dismal for our operators where Friday was more normal with 75 contacts.

Upon hearing this, my mind went into high gear. The recent solar activity that is part of the 11-year cycle that we ham operators are familiar with has been in the news a lot lately. The Northern lights have been the strongest in recent history and have been seen all over the United States and many parts of the world. I even read a note that said that the solar storm was once in a 400-year event.

I have been a member of the Society of Amateur Radio Astronomers (SARA) for a number of years and a regular reader of the posts on SARA's Google reflector. Lately, there has been a concentration of charts and graphs regarding Solar and Jupiter radio activity. A lot of reception charts are quite graphic when it comes to showing shortwave blackouts. Some recordings on Saturday 11 May 2024 seem to show the time where it parallels our Saturday's operations.

The following cut-and-paste shows the results of solar flares and accompanying blackouts. They were made by Dave Typinski, AJ4CO who is a regular contributor to the SARA Google group. I don't know what receiver he uses and what software, but the vertical scale is in MHz and the bottom horizontal scale is in Coordinated Universal Time.

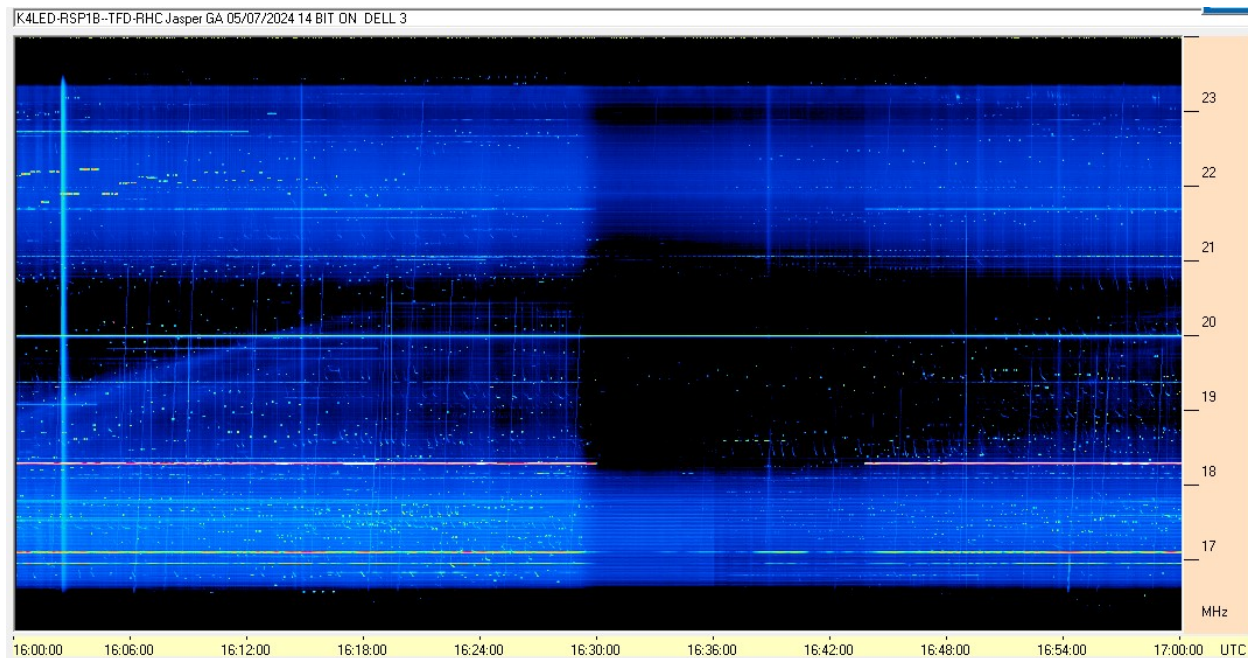


Our OARC Saturday operating hours would start at the 0900 MDT (15:00 UTC) marker and would end off the right-hand side of the recording. Again, according to Mike, KZ7O we did not log any contacts during the morning and only 15 in the afternoon.

Flares are classified according to their strength. The smallest ones are B-class, followed by C, M and X, the largest. Similar to the Richter scale for earthquakes, each letter represents a ten-fold increase in energy output. So, an X is 10 times an M and 100 times a C. Within each letter class, there is a finer scale from 1 to 9. C-class flares are too weak to noticeably affect Earth. M-class flares can cause brief radio blackouts at the poles and minor radiation storms that might endanger astronauts. Although X is the last letter, there are flares more than 10 times the power of an X1, so X-class flares can go higher than 9. The most powerful flare on record was in 2003, during the last solar maximum. It was so powerful that it overloaded the sensors measuring it. They cut-out at X17, and the flare was later estimated to be about X45. A powerful X-class flare like that can create long lasting radiation storms, which can harm satellites and even give airline passengers, flying near the poles, small radiation doses. X flares also have the potential to create global transmission problems and world-wide blackouts. (Taken from NASA's Scientific Visualization Studio website).

The following, also from the SARA Google group, has an expanded time scale. I include it for effect, showing a 12-minute blackout in the HF band with frequencies showing from about 15 to 24 MHz. It was recorded on 7 May 2024 by Larry Dodd of Jasper, Georgia. The 12-minute segment starts about 16:30:00 and ends about 16:42:00 UTC.

12 Minute Radio Blackout-7May2024-K4LED



The 11-year solar maximum is living up to its designation. Enjoy it while we can or cuss it depending what band we want to work on.

TNX
Kent Gardner, WA7AHY.

GUEST CONTRIBUTION

WANTED !

Contributing Editor submissions always welcomed!



Volunteer Monitor Program Report

The Volunteer Monitor (VM) Program is a joint initiative between ARRL and the FCC to enhance compliance in the Amateur Radio Service. This is the March 2024 activity report of the VM Program.

◆ Operators in Arizona, Tennessee, Virginia, and South Carolina were issued advisory notices concerning wideband operation — 7 kHz to 8 kHz wide, contrary to FCC rules. Section 97.307(a) provides that “no amateur shall occupy more bandwidth than necessary for the information rate and emission type being transmitted, in accordance with good amateur practice.”

◆ Technician-class operators in Colorado and North Carolina received advisory notices for operating FT8 on 20 meters. Technicians have no 20-meter operating privileges.

◆ An operator in New York received an advisory notice for failure to identify during long transmissions of more than 30 minutes.

◆ A General-class operator in Idaho received an advisory notice for SSB transmissions on 14.150 MHz. General-class privileges start at 14.225 MHz on that band.

◆ Operators in Florida received commendations for work on the 146.625 MHz W4JUP Repeater, assisting new licensees learn repeater procedures, and setting up equipment. An operator in Oklahoma received a commendation for work on the 146.97 W5BLW Repeater for SKYWARN and emergency operations procedures.

◆ During March there was one referral from the FCC to the VM Program, and one meeting with the FCC.

The totals for February 2024 monitoring were 1,942 hours on HF frequencies, and 1,935 hours on VHF frequencies and above, for a total of 3,877 hours. — *Thanks to Volunteer Monitor Program Administrator Riley Hollingsworth, K4ZDH*



Solar Activity Significantly Affecting Ionosphere, FCC Opens Docket for Comments on Impact

05/30/2024

Aurora Propagation, Northern Lights

The sun has been busy, and it's been a mixed bag for radio amateurs. Earlier this month, millions of people got a chance to see the aurora borealis for the first time, as the northern lights were active farther south than they had been in decades. The brilliant displays, visible as far south as Mexico, were a result of a series of coronal mass ejections. The energy from our star interacted with particles in the upper atmosphere, causing them to glow in dancing curtains of multicolored light.

VHF aurora activity was up significantly, according to DX spotting clusters and activity heard on the air. The 2- and 6-meter bands were especially active, as the aurora acted like a reflector in the sky to enable signals to propagate much farther than they normally can on those bands.

G5 Storm Significantly Impacted Ionosphere

ARRL Central Division Director Carl Luetzelschwab, K9LA, is a leading expert on propagation. He's provided the following analysis of the situation:

May 10, 11, and 12 of 2024 may go down as one of the greatest space weather storm periods of our lifetimes. It all started with two big sunspots in early May. These two big sunspots were identified as AR3663 (in the northern solar hemisphere) and AR3664 (in the southern solar hemisphere). AR stands for Active Region.

Both of these sunspot regions produced multiple M-class and X-class solar flares, which caused radio blackouts (signals were significantly attenuated) on the sunlit side of Earth. Typically, a radio blackout lasts for an hour or so, is most severe on the lower frequencies, and is due to the x-ray radiation from the solar flare increasing D-region absorption.

Not only did the big solar flares cause radio blackouts, they also caused solar radiation storms due to energetic protons that increased ionospheric absorption in the D region in the polar caps (the area inside the auroral ovals). Solar radiation storms can last for a couple of days and can result in degraded propagation on over-the-pole paths.

But the biggest impact to propagation started on May 8, when AR3664 released multiple Earth-directed CMEs (coronal mass ejections). CMEs manifest themselves as geomagnetic storms by significantly increasing the 3-hour K index. The K index indicates the activity of the Earth's magnetic field and ranges from 0 (quiet) to 9 (extremely disturbed). The image (from <https://www.swpc.noaa.gov/>) shows the [data from May 10 - 12]. When the K index is this high for such a long time, the electron density in the F2 region of the ionosphere can be significantly depleted for days, not allowing higher frequencies to be propagated. On-the-air activity confirmed this.

In summary, early May was a very interesting period. We saw all three categories of disturbances to propagation — radio blackouts (x-ray radiation from solar flares), solar radiation storms (energetic protons from solar flares), and geomagnetic storms (elevated K indices).

O'bay Swap

SWAP ITEM # 253

FOR SALE: 9 Items for sale

ASKING PRICES: see ad

CONTACT: Mike K7DOU, k7dou@comcast.net (801) 550-5101



See listing on the OARC website: O-Bay Swap page.

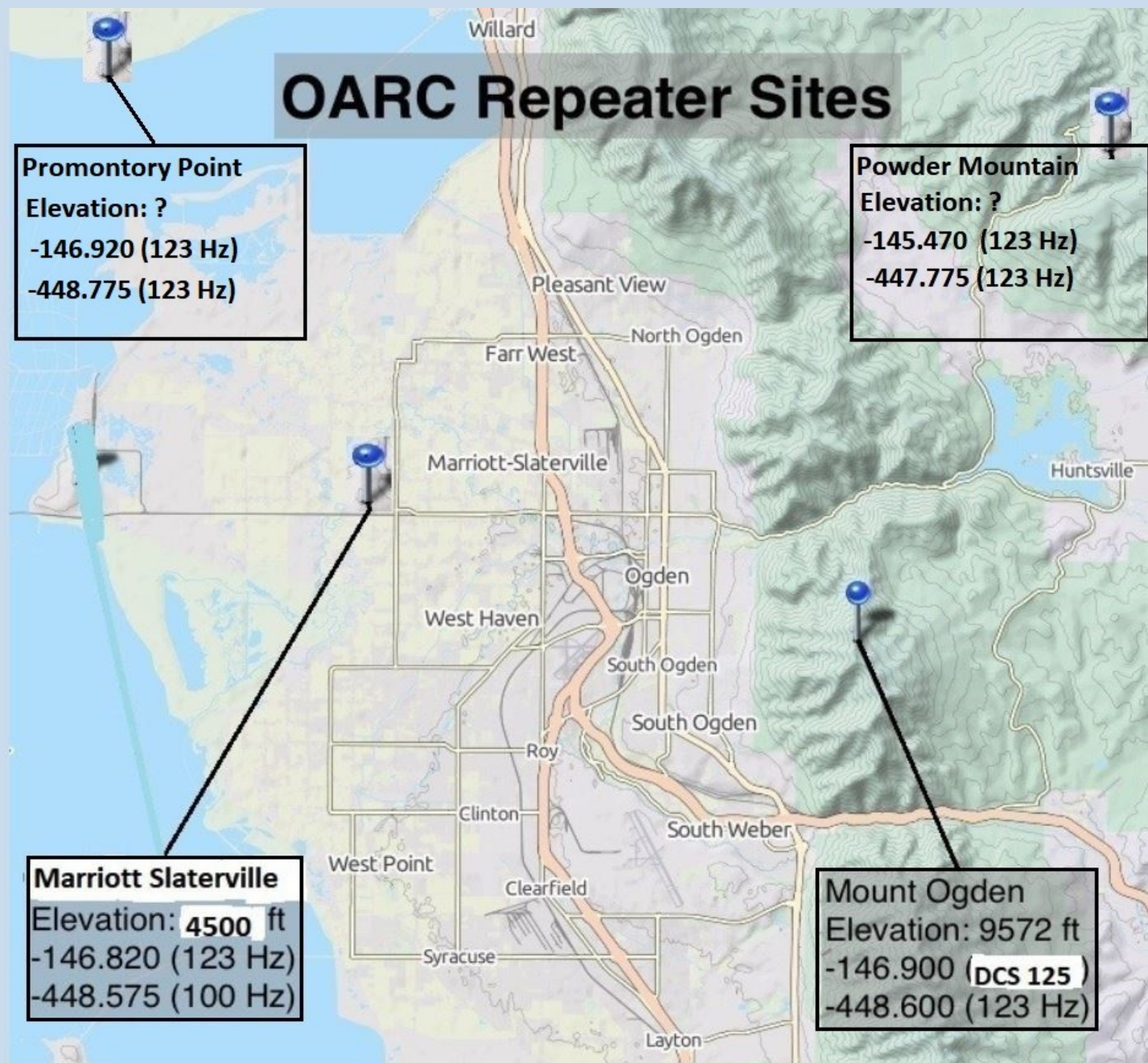
<http://OgdenARC.org/swap.html>

O'bay Swap

SWAP ITEMS WANTED !

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

CLUB REFERENCE MATERIAL



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.

OARC ARRL MEMBERSHIP DRIVE

WHY JOIN ARRL ?

**Join ARRL through OARC and receive a
free one-year membership upgrade in OARC**

Please consider that you may want to becoming a member of ARRL if you are not currently or have not been for at least two years ...

The Amateur Radio Relay League [ARRL](#) is the national membership association for Amateur Radio operators. ARRL membership includes digital access to “QST” magazine and “On The Air” magazine. Optionally you can sign up for hardcopy subscriptions to the magazines.

OARC is an affiliated ARRL club and has been since 1937. However, to maintain OARC’s affiliation, OARC must maintain that over 50% of our members are also members of ARRL.

Fill out the “joining ARRL through OARC” form, and bring/send it to OARC.

(Check OARC website for actual form)

Club Badges

OARC Club badges are available for all licensed club members.

The cost is **\$25.00** 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 **\$25.00** 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 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:

3rd Saturday of each Month

The Ogden Amateur Radio Club meetings are usually held on the **3rd 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

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 (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
OgdenARC	ogdenarc.org	3rd Saturday 09:00 am	Check OARC web site ...
WC Sheriff Comm-O		1 st Saturday 10:00 am	Weber Co. Sheriff Complex West 12 th Street Ogden Utah
Barc	barconline.org	2 nd 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 nd Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	home.comcast.net/ ~noutares/	3 rd Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	xmission.com /~uarc/	2nd Thursday 7:30 pm	UofU Warnock Engr Bldg Room 2230 Salt Lake City Utah
UVarc	https://uvarc.club	1 st 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 rd 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 st Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	https:groups.googl e.com/forum/#! forum/wsuarc	3 rd Thursday 5:30 pm	WSU Blding #4 Room ? Ogden Utah

Club Web Site

Be sure to visit our club web site.

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.

OARC REPEATERS			
(*) 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	Marriott UT
448.575-	OARC	100.0	Marriott UT (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 HF LSB
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz HF CW
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz HF LSB
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz HF LSB
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 2-meter USB
Monday @ 7:00 PM	OARC YL net	448.600 -123.0
Tuesday @ 6:30 PM	OARC—Ham & Eggs Net	448.600 -123.0
Tuesday @ 8:00 PM	Weber ARES	448.600 - 123.0
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	CSERG	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz HF USB
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz 6-meter USB
Thursday @ 6:30 PM	OARC - 10 Meter Net	28.375 MHz USB (all hams invited)
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 HF LSB
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

73 de W7SU

www.OgdenARC.org

w7su@arrl.net

PO Box 3353 Ogden UT 84409