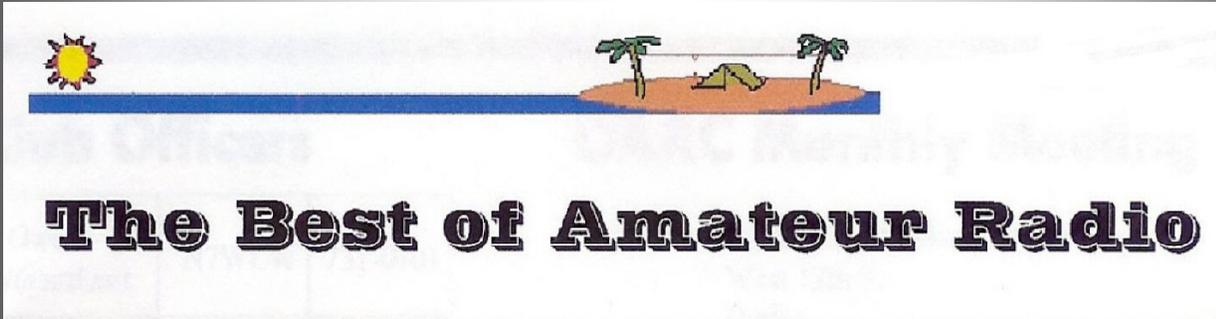


WATTS NEWS



OARC e-Magazine

www.OgdenArc.org

FEBRUARY 2026

Next Club Meeting/Activity/Events

Look Inside



Craig Howe W0VRM
President



Justin Hall KB7LAK
Vice President



Colleen Pike KJ7EAY
Secretary



J. Siddle KG7CJN
Treasurer



Don Burris KI7UAO
Program Director



Tracy Hess KK7ZAG
Activity Director



Kent Gardner WA7AHY
Newsletter Editor



Val Campbell K7HCP
Webmaster

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: Don Burris KI7UAO

Activity Director: Tracy Hess KK7ZAG

OARC ADVISORS (past presidents)

Gary Liptrot N7ZII

Mike Fullmer KZ7O

Kent Gardner WA7AHY

Kim Owen KO7U

Gil Leonard NG7IL

Jason Miles K7IET

Dave Mamanakis KD7GR

"WATTS NEWS" e-Magazine

NL Editor: Kent Gardner WA7AHY

Executive Operations Manager

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 - rotation

Antenna Manager – open

Assistant Photographer - Rick Hansen N7EGA

Badge Manager – Barbara Siddle KB7FWW

Club Call Sign (W7SU) Trustee – John Metcalf KE7VVT

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 - open

Ham & Eggs Breakfast – Dave DeHeer KJ7DAD

Ham & Eggs Net Control - Kenny Pronschinske KI7UFN

Ham & Eggs Net Control – Stan Sjol W0KP

Ham & Eggs Net Control – Bryce Draper KI7YZU

Historian/Librarian – Kent Gardner WA7AHY

Multi-Media Manager—open

Photographer – Alan Buttars N7AFR

POTA - Gary Hudman KB7FMS

QSL Manager – Gale Sjol WDOCWK

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 - Robert Smith KG7EIZ

VE IT – Jason Miles KE7IET

YL Net Control—Colleen Pike KJ7EAY

Zoom Manager – Justin Hall KB7LAK

Craig's Corner - A Message from our President

Craig Howe

February 2026



Hello ham family,

Much appreciation to all who helped us prepare, set up, take down, operate, log, visit, hob-nob, and generally enjoy radio while swapping stories at our Winter Field Day.

We appreciate the use of the "farm" again with its rustic nature and charm and a little extra elbow grease to get prepared.

February is our annual show and tell where we bring projects we have worked on to share with the club. We look forward to seeing your latest schemes and works

I received a reminder from ARRL to renew my membership which comes due in March. I was very happy to do so and return a small share of the efforts they make to protect our radio spectrum.

I have recently had the opportunity to assist a couple of operators renew their licenses. The FCC databases are often not for the feint of heart. If you need assistance, I'm willing to help as best I am able.

A word of caution: Please keep your FCC CORES login safe, secure and AVAILABLE !! Please understand that the ULS login is different and that you need to also keep and remember that password.

A friendly tip: CORES uses the email address that you have registered with the FCC as your username, and a unique 12 to 15 character password. ULS uses your FRN and it's own password for credentials to log in. It can be pretty difficult to renew your license without that information.

As always if you have questions or need assistance, please contact us. We love to help and locate resources to find the best way assist you.

Craig's Corner continued

Looking forward to seeing you at our club meetings and events throughout the year.

Invite friends and family to join in the fun!

73,

Craig W0VRM

Craigshowe@gmail.com

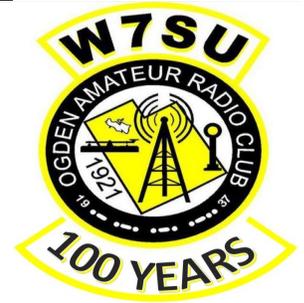
(801) 390-3958

A MESSAGE FROM OUR VICE-PRESIDENT



By Justin Hall KB7LAK

February 2026



It's already February, and the lack of a winter so far doesn't help me stay on task to write my articles! But it's OK, it's only Groundhog Day, and in my case, the groundhog came out of his hole and saw that there's 6 more weeks of furlough. There better not be!

Just kidding, I'm playing around with a digital node, and enjoying that sort of thing. I've messed with WiresX before, but now I'm learning to connect to nodes far away like Texas Nexus and Colorado.

Ten meters is opening up more, but my home QTH is lousy for the takeoff angle of my antennas and where I live on the side of a mountain just means it won't work very well. When I do try to check in to the 10 meter net (Thurs at 6:30 at 28.375MHz), a lot of people can't hear me. I'm tucked back in a hole. But I can get on another net, the Air Forces Flyers Club Net (Daily at 9AM local, 14.290MHz) and talk all over the place.

The secret weapon? Getting my radio set up to run remotely. My plan is to move a radio up to Lava Hot Springs and operate it remotely. Maybe I can give a demo at the club meeting sometime. I hopefully will have a radio to hook it up to! Stan has been working on it and the update is it now receives, but doesn't transmit. Don't blow up your radios, people.

I hope you're enjoying this saga as much as I am! Happy 2026, and hopefully we get some snow soon.

Justin, KB7LAK

FROM THE EDITOR



February 2026

Auroras never strike twice in the same place ! NOT !!!!

You are never going to believe what happened.

In the November-December combined issue I wrote about and posted a picture of the Aurora seen on Veterans Day (11 November 2025) as seen here in the Ogden area. I posted a picture taken from my front yard and then Jim Southwick sent in a picture taken by him that was much more striking and sharp than mine See pages five and six in that combined issue.

For a completely different reason, I was indexing my articles for the newsletter. I ran across another aurora article in the April 2023 issue which showed a picture of aurora by Jim that looked almost identical to his recent one. I thought to myself, did I misunderstand him or did he misunderstand me. Was his reference that he had an aurora sighting then and gave it to me to compare and, in reality, did not see one on Veterans Day?

I emailed him asking that same question. Here is the cut-and-paste of his reply:

Nope you got it right. I went to the exact same area that I went in 2023...hence they look the same.

So it appears that auroras can show up twice as viewed at the same site.

From the Editor continued:

The following is a cut-and-paste of the 23 April 2023 aurora sighting:

GUEST CONTRIBUTION By Jim Southwick N7JS Utah Aurora on April 23, 2023

On April 23rd (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 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

See the two photographs on the next page and compare them. Was quite remarkable that both turned out so well.

TNX

Kent, WA7AHY

From the Editor continued:



23 April 2023



11 November 2026

Update from Craig from Wednesday night exam session (4 Feb 2026)

We had a good exam session this evening with 22 applicants.

There were several retakes this evening with some of them being successful. Rick will forward the manifest as always. Jason and I will help verify the Square collections and the cash collections against the manifest with Rick. The new system allowed several retakes more easily. We will work through the process to smooth it out.

There were 12 new technicians, 4 new generals, and 1 new Amateur Extra.

One of the General license upgrades also passed the Technician license this evening. A second General passed the Technician exam after his license was expired and will be restored to General.

I have 3 applications filled out for the club membership and there are several who have taken them home and will bring them to the club meeting.

Here are the names and license levels of those who obtained / upgraded their license tonight.

Stephane Budge - Amateur Extra
Rod Evertsen - General
Robert Findlay - General ... restore previous license
Jacob Greenhouse - General
Kimberlee Leix - Technician & General
Saro Danalian - Technician
Dean Ellis - Technician
William Elson - Technician
Bechem Eyre - Technician
Nicolas Frederick - Technician
Leonor Hagan - Technician
Ross King - Technician
Brian Lamar - Technician
Blake McGee - Technician
Robert Murri - Technician
Devan Parkinson - Technician
Dallin Stevens - Technician

73,

Craig W0VRM

JANUARY 2026 CLUB MEETING



Ron Wilcox on Propa-

gation



Good attendance

Getting to know Ron Wilcox our January 2026 guest speaker.



This is from my QRZ.com site, there is more information there as well.

My ham radio history started with Boy Scouts, then interest in High School, until finally Don, KA7T, got our family started in this wonderful hobby in 1984. I was active for 8 years when a move to Denver for my job had me out of the hobby until 2014, when at the urging of my wife and son, I got back in to the hobby, and was able to receive my old call sign. Two of my sons have their license, Allen, KA7VIO and Shawn, N7KFI.

I am currently an RN Case Manager with Intermountain Healthcare/Select Health (RN BSN CCM). Active in church, ham radio, music (guitar and banjo) and astronomy. We own a Celestron 8SE telescope .

I am a California boy, growing up in Solvang and Hollister, leaving the state when I graduated from San Benito High School. In 1971 I left for a two year mission for my church to Ecuador. I fell in love with this beautiful country and the wonderful people.

Don Wilcox continued

I have degrees from Boise State University, Weber State University, and BYU-Idaho University. I had a year of underground mining in Wyoming during college. My Mountain Bell career took us to Colorado, Oregon, Washington and Utah. I was a lineman, installer, cable repair, and then management for the rest of my career. I specialized in air pressurization. Tired of lay offs and downsizing I returned to school and got my RN.

Many wonderful adventures and memories as we raised our family including: backpacking, sports referee (High School soccer and basketball for 23 years), clogging, music, volunteer fire department (EMS training officer, state EMT, Hazmat, and extrication instructor), and many other activities. Have served as officer (president, vice president, secretary, election coordinator & board of directors) VE, Assistant Emergency Coordinator, ARRL & HamSCI speakers bureau, and various convention committees.

Published in Spectrum Monitor (feature/cover article), National Contest Journal, QST, CQ magazine & co-author for Frontiers in Astronomy and Space Sciences.

I love being active with family, church, music, fishing and family history.

For more information, please see QRZ.com.

Have a nice day!

Ron Wilcox KF7ZN

RN, CCM

HamSCI/NASA Citizen Science

Getting to know club member Reed Kotter, K7PRH



How I became a “Ham”

When I was in the second grade, I and my friends were engaged in a real fun dirt clod fight. We would pull up some weeds with a clod of dirt attached and throw it at our enemy. Well, I went up to throw and received a clod of dirt full square in my open right eye.

Off to the eye doc we go. The doctor removed one cup of dirt. If one particle of sand was left in my eye, it would cause scaring. So, to avoid that, they put patches over both my eyes, to stop the blinking. So, for two weeks I was blind, the only exception was when they removed the patch to put in medicine.

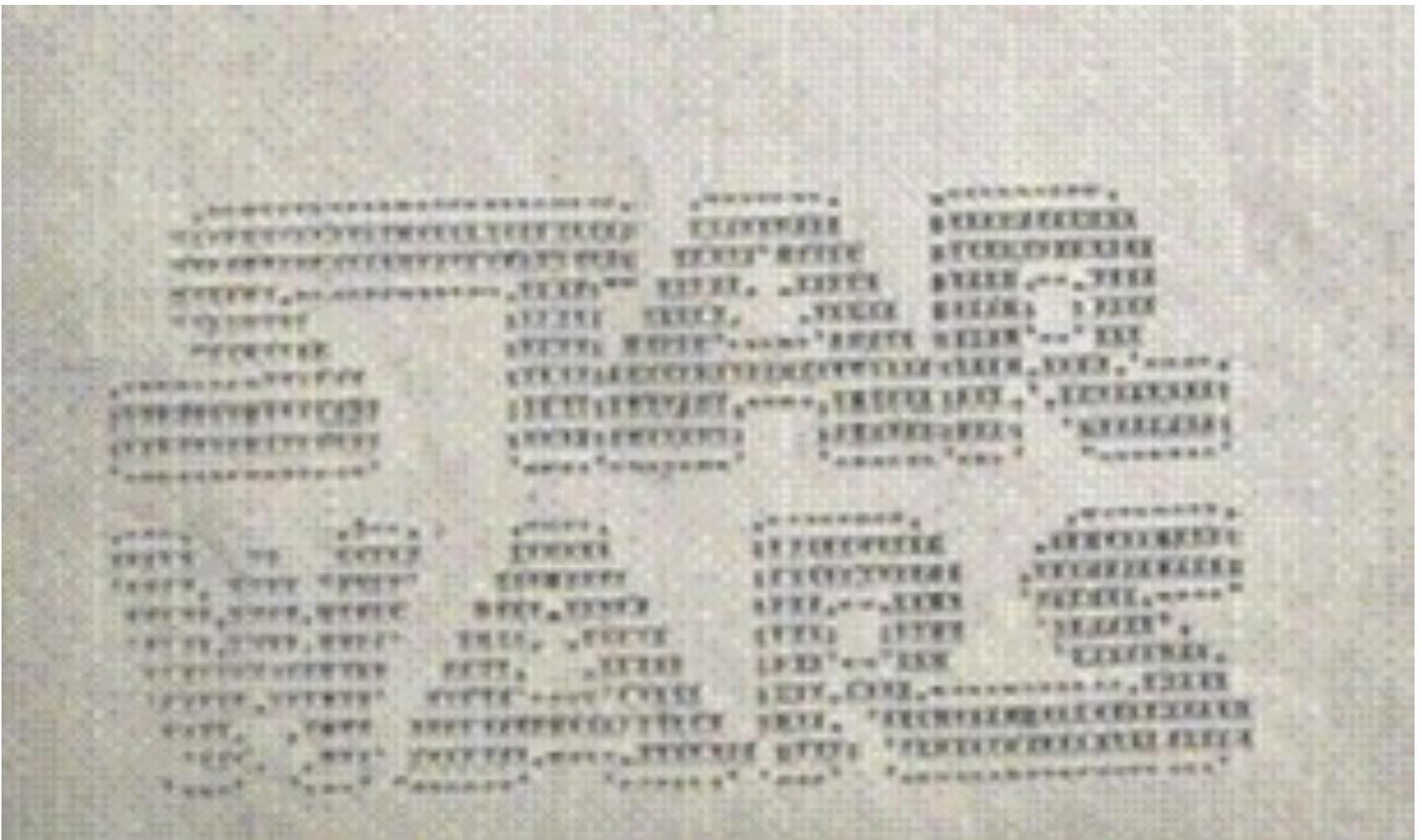
Getting to know club member Reed Kotter, K7PRH continued

During that time, while laying in bed, I would reach over and turn on a radio. I discovered a third knob on the radio. Turning it on changed the radio to cover the shortwave bands. A new world was opened up to me. A world of broadcasts from all over the planet. That started my interest in radio.

Later, I acquired an old SX-77 Hallicrafters shortwave radio. With some friends, a ham radio operator and mentor in the area, administered the Novice class test to us, that also required proficiency at 5 words per minute Morse code. The Novice license was only good for one year. I bought some parts and built my own "rock" bound transmitter communicating with Morse code. In the Spring, I went to Salt Lake City and took the General class test and passed, it required proficiency at 13 words per minute Morse code.

Subsequently, I built a Heathkit DX-60 transmitter that allowed voice transmission. Later I bought a Mosley CM-1 receiver. A few years later, while serving in the Army, I was assigned to Fort Lewis Washington. Now, this is where my ham license really benefited me. I was assigned to the MARS (Military Affiliate Radio System) and learned to operate teletype equipment. I worked in in the classified off-site complex. After the service, I went to Salt Lake City for an FCC (Federal Communications Commission) exam session. The exam session lasted all day long. I passed and got the General Radiotelephone Operator License and a Restricted Radiotelephone Operator Permit.

In later years, I acquired a Model 15 teleprinter, rewired it into my ham station and ran radio teletype. Below is an example.



Next meeting:

OARC FEBRUARY CLUB MEETING **NEW!**

Show & Tell Club Meeting **NEW!**
 3rd Saturday 21 February 2026 - **9:00 AM**

Meeting Location (as usual at UMA)



DX
 @-16FT

IC	STATION CALLED OR WORKED	OPERATOR'S NAME	QTH	FREQ. MC	EMIS- SION TYPE	POWER INPUT W	RIS SIGNALS RST	MY SIGNALS RST	REMARKS
5	WFLM		MN	20M	SSB	5W	5/9	5/8	
7	K0B0T		SD	20M	SSB	5W	5/9	4/7	
9	AF6HA		CA	20M	SSB	5W	5/9	4/7	
7	K04KP		AZ	20M	SSB	5W	5/9	5/9	POTA
0	W6VAH	Steve	CA	20M	SSB	5W	5/9	5/6	
0	N5ZMM		TX	20M	SSB	5W	5/6	3/3	POTA Big Bend
3	W6CAY7	Brett	WA	20M	SSB	5W	5/9	5/9	Remote
2	K0IRN		CO	20M	SSB	5W	5/9	5/7	MM Svc Net
3	AA7RO		AZ	20M	SSB	5W	5/5	3/3	POTA us-0277
8	A10H		MN	20M	SSB	5W	5/9	3/3	
25	K7CCH		OR	20M	SSB	5W	-	-	WFD 30 OR
4	AS6AU		CA	20M	SSB	5W	-	-	WFD 10 SV
6	V67060		BC	20M	SSB	5W	-	-	WFD II BC
55	W6CAY7	Brett	WA	20M	SSB	5W	5/9	5/6	Remote
10	N59L		CO	20M	SSB	5W	5/9	5/2	us124 us4579 POTA
2	K9ROB		CA	20M	SSB	5W	5/9	5/3	W6/CD-air SOTA
34	N814VH	Tim	WA	20M	SSB	5W	5/9	7/4	MM Svc Net
36	N7WDF	John	WA	20M	SSB	5W	5/9	5/5	MM Svc Net
39	W5MHS		TX	20M	SSB	5W	5/5	5/1	POTA us2998
49	KK7SSW		WA	20M	SSB	5W	5/9	5/2	POTA us3234
28	K066B		CA	20M	SSB	5W	5/9	5/2	SOTA W6CT338
12	K5D6R	/	AZ	20M	SSB	5W	5/9	5/7	POTA us1052
12	K5D6R		AZ	20M	SSB	5W	5/9	5/7	POTA us1052
12	K5D6R		CA	20M	SSB	5W	5/9	5/5	POTA us3272
230	KK6HYK		CA	20M	SSB	5W	5/9	5/3	POTA us12139
38	AEΦYK		CO	20M	SSB	5W	5/9	5/3	





February 28th, 2026

We are just one month away from Utah's only annual amateur radio conference! Whether you join us in person or virtually, you'll experience an information-packed schedule featuring the latest in amateur radio technology.

This year's highlights include:

- Cutting-Edge Tech: Expert-led sessions on the future of the hobby.
- ARRL-ARES Track: A dedicated stream for emergency service enthusiasts.
- LDS Emergency Radio: Essential updates on the latest communication plans for The Church of Jesus Christ of Latter-day Saints.

Help us spread the word! Please share this with your local clubs, radio friends, and emergency preparedness networks.

Keynote Presentations

The Truth Behind EMPs and CMEs - Dan Lundwall (N7XDL)

What happens when the lights go out and stay out? This presentation explains the science behind electromagnetic pulses (EMPs) and coronal mass ejections (CMEs), highlighting their causes and effects on our daily lives. We will focus on practical protection methods, including Faraday cages and effective surge suppression strategies.

All Star Link: Modern VOIP Analog Voice Linking for the Digital and Analog Ham - Spencer Ammermon (NG6K)

AllStar Link is a powerful tool for connecting analog and digital amateur radio. This presentation will cover how AllStar uses Linux-based nodes for high-quality analog voice linking over the internet, including hardware requirements, system flexibility, and how to get started.

Mesh Networking: Building an Ad-Hoc Infrastructure for Crisis Response - John Jacobs (W7DBO)

When the towers fall, the mesh rises. This presentation looks at the "à la carte" world of mesh networking, where operators choose the right devices for their missions. We'll compare high-bandwidth solutions like AREDN for VoIP and video with low-power, long-range options like Meshtastic and MeshCore for reliable texting and GPS. Attendees will learn how to use local Wi Fi to create a self-healing communication network when traditional infrastructure fails.

Breakout #1

Room A - Introduction to AREDN Mesh Networking - Jan Peterson (KD7ZWW)

Modern emergency communications go beyond using just a microphone—they require data. This presentation covers the basics of AREDN mesh networking for amateur radio operators (hams) who want to provide high-speed services like file sharing and video streaming during emergencies. We will discuss mesh architecture, hardware selection, and antenna requirements. A demonstration system will be available for you to see in action.

Room B - The SX1255: A low-cost UHF SDR for Digital Communications - Ryan Tolboom (N2BP)

This session dives into the SX1255, a versatile IQ transceiver chip that is quietly powering the next generation of open-source ham gear. We'll explore the technical hurdles of UHF SDR design, the role of Delta-Sigma ADCs, and why the SX1255 offers more hardware freedom than traditional FSK

Room C - Recent Developments in LDS Emergency Response Communications - Don Summit (NS7A)

When local infrastructure is compromised, the Emergency Response Communications (ERC) network becomes the crucial link between the ward, stake, and area authority. ERC is expanding to other levels, including the Coordinating Council. This session will cover the continued developments of ERC at the Coordinating Council level, as well as the needs and responsibilities ERC operators are

Room D - Using AI to Design EmComm Training and Drills - Pat Malan N7PAT

Tired of the same "simulated earthquake" script? This session explores how Large Language Models (LLMs) can generate complex, multi-layered disaster scenarios in seconds. We will demonstrate how to prompt AI to generate realistic training and drill operational plans.

Breakout #2 (2:00 p.m. - 2:45 p.m.)

Room A - Getting Started with POTA - Stuart Thorpe (K7PWS)

Are you ready to take your radio to the park but aren't sure where to begin? This session is a step-by-step roadmap for your first POTA activation. We'll cover the basics: how to find a valid park on POTA.app, what it means to be an "Activator" vs. a "Hunter," and how to make those first 10 contacts to qualify your park. Learn the essential "POTA Exchange," how to spot yourself so others can find you, and the simple etiquette that makes the community so welcoming.

Room B - Getting into CW: The Original Digital Mode - Duane McGuire (WA7PGE)

Ready to add the most reliable mode to your toolkit? This presentation provides a structured path for hams looking to get started with CW. We'll move past the "dot-dash" counting and focus on instant character recognition using online tools, and get you ready for your first CW POTA activation or other activities to get you started and provide an opportunity to improve your skill.

Room C - Meshtastic 101: Getting Started with Meshtastic (Joe Levi - KF7NWA)

No cell towers? No internet? No license? No problem. Meshtastic is a decentralized, open-source project that turns affordable LoRa radios into a secure texting network. This session is a ground-floor introduction to the "Off-Grid Mesh." We'll cover everything from the best hardware (Heltec vs. RAK) to the "MeshCore" alternative for those seeking hyper-reliability. Most importantly, we'll clear up the common "new user" pain points—like frequency slots and channel settings—getting you ready to send your first message successfully.

Room D - The Evolution of AREDN Mesh Routing: Understanding Babel and Why It Matters (Brett Pruitt - K7BDP)

For more than a decade, OLSR served as the backbone of AREDN. However, as our networks expanded, the protocol began to struggle under increased demand. This session will explore what AREDN is, what Babel is, and why the transition to Babel—a modern, loop-free distance-vector routing protocol specifically designed to handle the chaotic nature of wireless mesh networks—is essential.

Breakout #3

Room A - Beyond the Grid: Designing a Multi-Layered Mesh Communication Strategy - John Jacobs (W7DBO)

If your emergency plan relies on a single mode, requires all users to be licensed, or has high technology costs, it will likely fail. Join us to explore resilience through tailored tools: MeshCore for neighborhoods, AREDN for cities, and Starlink for global connectivity. We'll discuss creating a "Community Hub," a digital space for residents to share updates and resources. Additionally, we'll cover how to strategically deploy repeaters and "Room Servers," so every home in your community

Room B - How to Receive Telemetry from Ham Sats - Randolph Kohlwey (WI7P)

Amateur satellites are continuously orbiting above us, transmitting valuable data back to Earth. Join us for an introductory discussion on how to receive this information. We will cover the basics of satellite telemetry: what it is, the affordable equipment needed to receive it, and how to share your data

Room C -Getting started with the nanoVNA - Kelby Davis (AD7VO)

Stop guessing and start measuring. This session is built around live demonstrations of the NanoVNA's most useful features for the everyday ham. We start by tackling the common setup "pain points" that lead to inaccurate readings. Once calibrated, we will show you how to analyze your entire antenna system, including resonant frequency, impedance, and coax loss.

Room D - Session Information Forthcoming: ARRL Amateur Radio Emergency Service (ARES) - Paul Plack (AE4KR)

Details for this session are currently being finalized and will be provided shortly. This presentation will focus on the ARRL ARES program, exploring the vital role of trained volunteer hams in providing public service and emergency communications during disasters.

Utah VHF Society Annual Meeting

The Utah VHF Society invites all members and interested amateur radio operators to attend the Annual General Meeting. This is your opportunity to stay informed about the Society's work, participate in the election of officers, and engage in discussions regarding the future of VHF/UHF coordination and repeater systems in Utah.

How to Participate:

-In-Person: Join us in Room A at the conclusion of the day's presentations.

-Virtually: Join us virtually via the club-provided link that will be sent a week prior to the meeting.

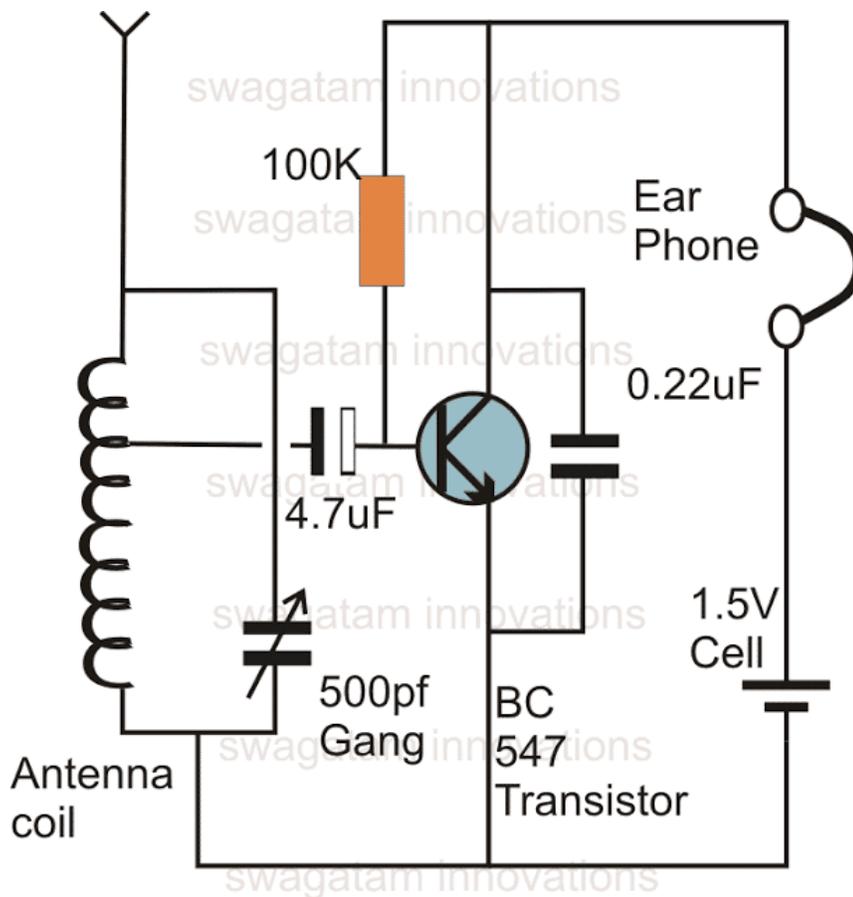
ODDS and ENDS

Some of you might recall last month when I told my story on how I built tube circuits from an EDUKIT. I paid \$22.95 and built all 16 circuits.

Transistors were making headway into the radio world. I remember that I dearly wanted a 4 transistor portable radio that cost something like \$48.00. My folks told me that I could have one if I could pay for it myself. I ended up going to Household Finance and getting a loan to pay for the radio. I completely wore it out over the years.

I did find a one transistor radio kit. I built it on an open circuit board.. There was a ground wire and another longer wire for the antenna. It worked as advertised and I was able to pull in one station, the local AM station in Burley, Idaho (KBAR at 1230 Kilocycles)

The circuit was probably like this one I pulled in from the internet; however, I do not see a ground wire on this.



ODDS and ENDS continued

I was so proud of my accomplishment, that I couldn't wait to take it to Scout meeting where I could show it off.

In the Scout room, I connected the ground wire to a steam radiator unit on the wall and strung the antenna wire (about 10 feet in length) up and over the curtain rod over the window. The radio worked like a charm and my fellow scouts took turns listening to the single headphone to the local radio station.

One of the Scouts was actually the one who got me interested in electronics in the first place. At the meeting he suggested that I could connect the antenna wire into the cold side of the 110 Volts Alternating Current plug in wall socket. Supposedly, the cold side of the entire Church wiring could be my super antenna.

I tried to do that, but maybe the wiring was not according to code and I blew out my transistor...grumble grumble. I have seen that idea advertised in magazines, but, I for one, will not try that again.

TNX

Kent Gardner, WA7AHY

ODDS and ENDS continued

Breaking News

A new signal discovered on 100 KHz.

A lot of us now-a-days have receivers and transceivers that are capable of receiving signals below the broadcast band. Some of us even tune there. Most are curious enough to tune in WWVB, the National Bureau of Standards time standard on 60 KHz.

Reed Kotter, K7PRH whos biographical sketch was featured earlier in this newsletter must have been doing this when dialing down to 60 KHz he ran across a signal on 100 KHz. Wow, what was this? He sent me an email and between Neil Klagge, W0YSE our club's low frequency guru and about a dozen others started looking to find out about what this new signal was.

Google and Chat GPT revealed that it was probably a new version of the old WW II LORAN. The acronym stands for **L**ong **R**ange **N**avigation.

- Loran A operated briefly using 10 MHz during the day and 2 MHz during the evening.. Other frequencies were mentioned, but were probably used for test purposes.
- Loran B used 1.8 to 2.0 MHz
- Loran C used 100 KHz. This became the standard until the early 2000s when all LORAN systems were shut down.
- eLoran (enhanced LORAN) appears to be a revival effort. With so many solar storms happening that mess with the GPS constellation and airline equipment losing sync with GPS and also the possibility that an EMP blast in a war situation would disable GPS and other satellites in orbit, the eLoran is coming into being, again, on 100 KHz. Mike Fullmer, KZ7O even copied the signal from Cove Fort. The transmitter appears to be coming from Fallon Nevada.

Thanks Reed. A good catch.

Editors note: This new signal finally gave me a reason to warm up my old National RBL-5 boat anchor receiver. It hasn't been on since LORAN was discontinued in the early 200s as mentioned. It took me two days to get it working because the band switches etc. were oxidized. If I hold my tongue just right, I can tune in the woodpecker sounding signal. This is very exciting.

TNX, Kent Gardner, WA7AHY



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



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: TBD

Net control is passed around to regular check ins.

... 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: Colleen Pike, KJ7EAY



Colleen Pike, KJ7EAY

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



CLUB NEWS

Unique QSL Cards

Wanted

5 Years Ago

From the February 2021 WATTS NEWS issue



Submitted by Alan N7SHA

10 Years Ago

From the February 2016 WATTS NEWS issue.

CLUB NEWS



CW or CowBoy?

Interesting license plate, if you are ham radio minded.
Especially a Morse Code user.

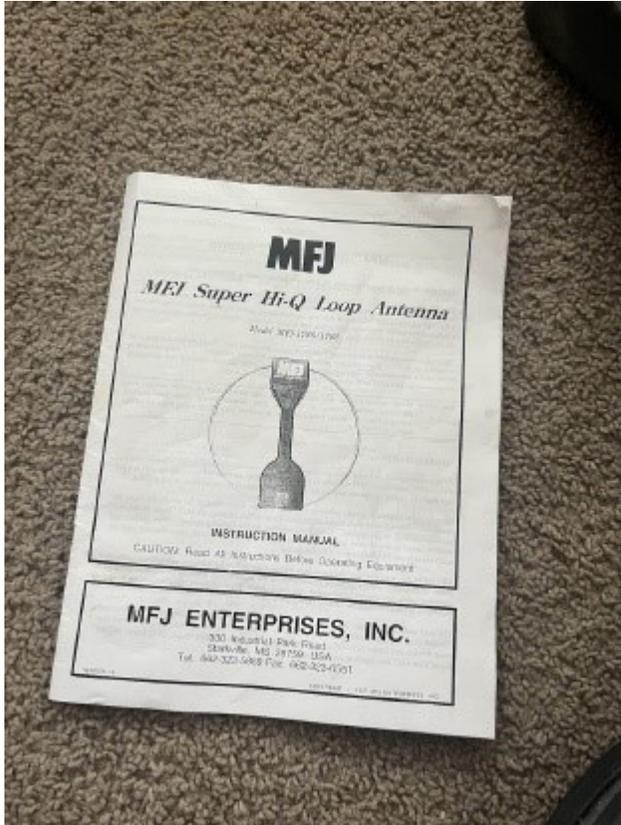
Kent Gardner WA7AHY

O'Bay Swap Items

SWAP ITEM # 266

O'bay Swap

FOR SALE: MFJ 1786-1788 Super Hi-Q Loop Antenna



ASKING PRICE \$ Best Offer

CONTACT: Joy Jones (801) 726-5578 joyjones818@hotmail.com

O'bay Swap

SWAP ITEM # 265

FOR SALE:

YAESU FT DX 5000 MP

My husband Mike Jones, AB7YZ, passed away suddenly this spring. This was his prize radio! I believe it is complete — instruction manual, handheld mic — the works.

I live in Farmington, I can be reached via this email account, or text my phone (801) 726-5578.

Thank you,



ASKING PRICE: \$3000

CONTACT: Joy Jones (801) 726-5578 joyjones818@hotmail.com

O'bay Swap

FOR SALE: BuddiPole Deluxe System

Like new with many accessory items including ip30z antenna analyzer.
All accessory items contained in custom hard-shell case.

Take the system anywhere, secure in just 2 cases.



ASKING PRICE: **\$700** CONTACT: Brent K7NAY bhn1010@gmail.com

FOR SALE: PolyPhaser Coaxial Lightning Protectors

Used but no known lightning strikes.

Tested okay by Stan W0PK (no noticeable insertion loss).

For OARC members only, which is a great deal.

If you want to chat about electrical and rf grounding I will tell you what I know and what I did at my 1969 Clearfield home.

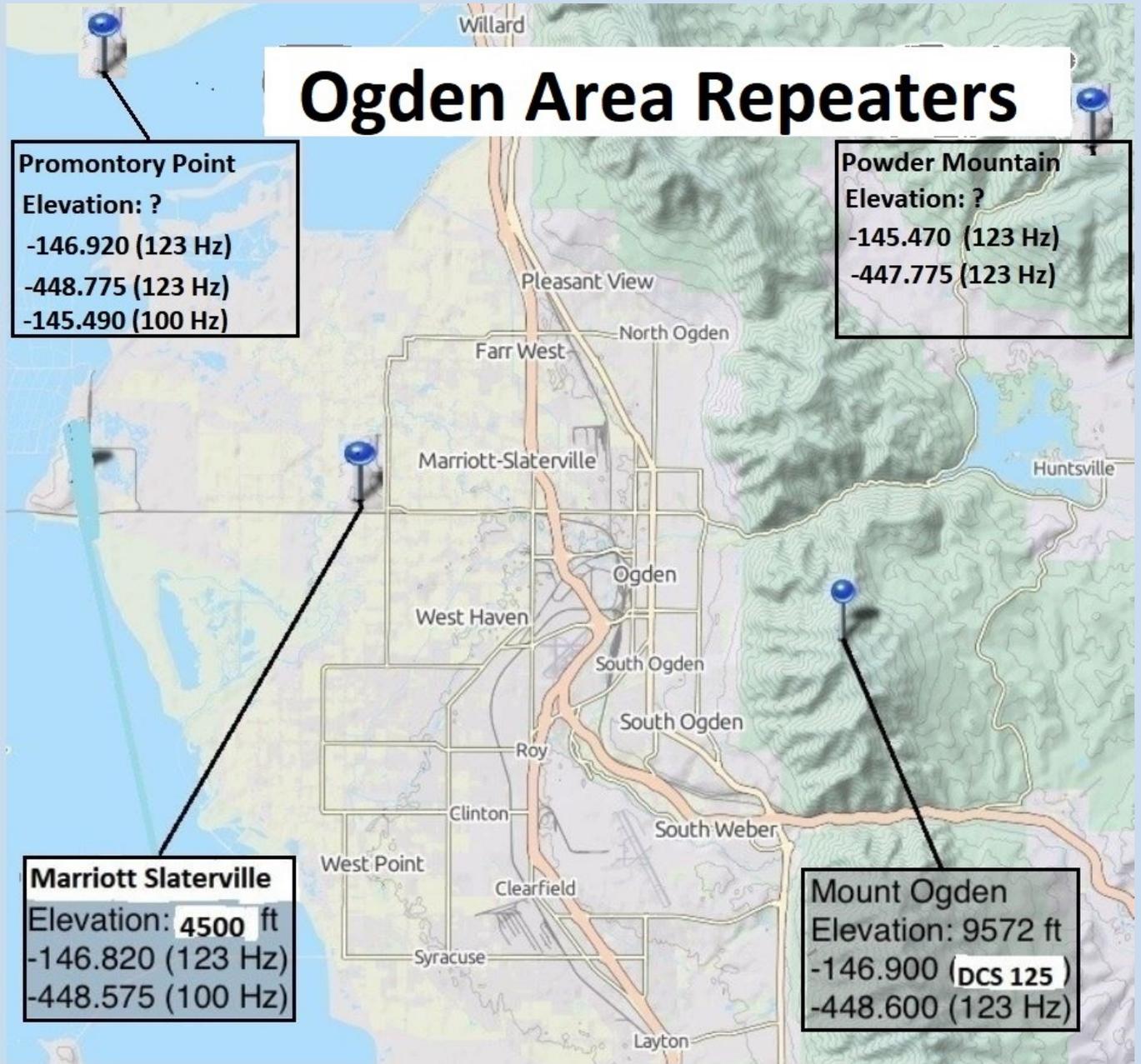
Note: \$100+ each at <https://www.dxengineering.com/parts/ppr-is-50ux-c0>



ASKING PRICE: \$100 (for both)

CONTACT: John Metcalf KE7VVT johncmetcalf@gmail.com

CLUB REPEATER NEWS



OARC MEMBERSHIP DRIVE

SUPPORT YOUR RADIO CLUB

Don't forget to signup/renew your OARC membership. Licensed (\$15), non-licensed (\$10). Consider signing up your spouse as well.

Memberships run August to July. Remember ... FREE Steak at Steak Fry for ALL members.

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 year (licensed), \$10 non-licensed. Memberships run August - July.

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	3 rd 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.google.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 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 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