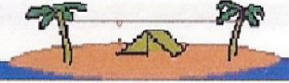


WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

September 2023

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 K270
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 - 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 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

Historian/Librarian – Kent Gardner WA7AHY

Media Manager—Kent Gardner WA7AHY

Photographer – open

QRZ Manager – open

QSL Manager – Pete Heisig AI7GV

Repeater Engineer – Mike Fullmer KZ7O

Repeater Engineer – Scott Willis KD7EKO

Social Media Manager - open

YouTube Videos - Jason Miles KE7IET

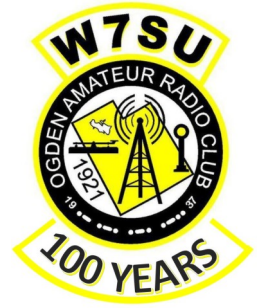
VE Liaison Operations – Rick Morrison W7RIK

VE Assistant – open

VE IT – Jason Miles KE7IET



OARC COMING EVENTS



Next Meeting/Activity

3rd Saturday 16 September 2023

Tri-County Swap Meet

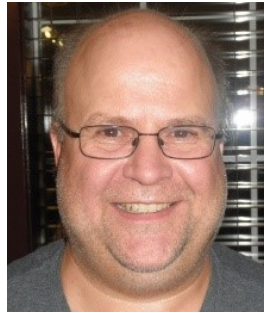
9:00 AM—Bountiful Utah

Next VE Test Session

1st Wednesday 04 October 2023 @ 6:00 PM

A MESSAGE FROM OUR PRESIDENT

Dave's Final Rag Chew



Dave Mamanakis KD7GR

Greetings My Friends!

I just wanted to say, THANK YOU for the past few years supporting me as the Club President! I enjoyed the time and I hope you did too!

I thought I would give one last note, just to say: THANK YOU!

And now, we hand over the reins to Craig (W0VRM) and I hope you all give him the same support I received! This club is more than the sum of its parts. If we didn't have the support from the club, there wouldn't be a club.

Coming up?

The Swap Meet in Bountiful. If you NEED anything, this is a good place to start! Then we have a Club Meeting, in person, at UMA. We'll be doing the Club Auction. I know, for a fact, that you will find several things you NEED and a few that you will WANT! All the items in the Auction are DONATED to the club to help pay for the Steaks at the Steak Fry. It is a WIN-WIN for everyone! You get something you want/need, and the club provides you with a fantastic steak in August!

Then we have November's Club Meeting, I think Craig has something for us... and December is the Christmas Party! You'll want to be there. The food is good, the people are awesome, and we'll have some door prizes!

Over the last little while, Scott (KD7EKO) and Gene (WB7RLX) have been working on the area's repeaters, keeping everything operating and up to date. I really appreciate the work they do to keep us all on the air.

Something you may not have known? They have installed a few GMRS repeaters. But Dave, why do we care about the General Mobile Radio Service? We are Ham Radio Operators!

Well, yes. AND we support all kinds of things, like contests, Races, Runs, Bike Rides, the Pony Express and all kinds of other things that aren't exclusively Radio related or even remotely Ham Radio exclusive.

The point is, you can get your GMRS radio license, and unlike Ham Radio, there is no test... and the License, itself, is good for your entire family. Not just you, the wife, and kids... but your parents and siblings, too... if I understand it correctly.

Which means, even if your wife won't study for Ham Radio, or your kids want to play video games instead of talk on the radio... well... now you can get your GMRS license, get a GMRS radio, and even in an emergency, your family will be able to keep in touch over distance...

Call it a "Plan B".

We shouldn't be prejudiced against other radio services... they have their place. For instance, listening to CB (Citizen Band Radio Service) could be useful in an emergency situation. Why? Because people use it, and it doesn't require a license...

FRS? Family Radio Service? Same thing. People can buy these radios easily and they work for them...

Consider them "Cousins" to our own radio service... (They are also, sometimes, fun to listen to... like the Aviation Radio Service...)

Ok, I've taken up enough time. We have lots of resources in the club, in the area... feel free to make use of them.

If other things sound like fun: IRLP, etc, maybe we can investigate those things at some point. Bring your ideas to the Club, we'll be glad to look at them, discuss them, and see what we can do.

Thanks again for your support, and let's keep this club growing! --Dave (KD7GR)

Craig's Corner



Craig Howe W0VRM

Craig's Corner September 2023

An introduction to the Club. You may wish to know a little bit more about your new club president. I obtained my Tech license March 9, 2021. My Extra on June 21, 2021. So in Ham years, I am a pretty new puppy.

On the other hand, "Ham years" can also be measured by the time we spend on the air, using our radios in service, and experimenting with the ever elusive "perfect HF antenna".

I dabble with DMR, FT-8, Winlink (miles to go), HF SSB, Fusion / WIRESEX, GMRS, serving as a SAG driver for many marathons, bike rides and races, helping with parades and fireworks events, and calling nets (even the Ham and Eggs net a few times).

I enjoy being a VE and helping Rick with our sessions.

Like many, I started with a Baofeng to "try things out" and somehow managed to get quite a stable of radios in the shack and in vehicles. I'm only on my 4th attempt at an HF antenna so miles to go there as well.

I love the great diversity of technology with this hobby and I love even more the great diversity, skill, experience, and creativity of all of you. I have made so many new friends who are so far above my pay grade in just about area aspect of life and I am a much better person because of you.

I have found that there is something for everyone in this Hobby and certainly in our club. Please join in and have as much fun as you can stand to enjoy !!!

Until next time, 73 all. Craig W0VRM

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

Stan Sjol (W0KP), stansjol@xmission.com

Kenny Pronschinske (KI7UFN), kennypron@hotmail.com



Larry Griffin

AD7GL



Stan Sjol

W0KP



Kenny Pronschinske

KI7UFN

CLUB NEWS

10 Meter Net

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

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

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

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

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

“Work toward getting your “10 meter WAS Award”

Questions and Net Control: Gene (WB7RLX), ee_morgan@outlook.com



Gene Morgan (WB7RLX)

CLUB NEWS

Ham & Eggs Breakfast

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

Now at:

The Rusted Spoon-Ogden (previously The Stagecoach)

1310 Wall Ave, Ogden, UT

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

73, Dave KJ7DAD



Dave DeHeer (KJ7DAD)

PREVIOUS CLUB MEETING/ACTIVITY

CLUB NEWS

PREVIOUS CLUB MEETING

OARC Steak Fry + Elections

19 August 2023 - Marriott Park

OARC 2023-2024 officers:

President: W0VRM - Craig Howe

Vice President: KB7LAK - Justin Hall

Secretary: KJ7EAY - Colleen Pike

Treasurer: KG7CJN - J. Siddle

Program Director: KB7FMS - Gary Hudman

Activity Director: KZ7O - Mike Fullmer

Officers: Be sure to read the ...

[OARC Officers BRIEF Duties and Responsibilities](#)

[OARC Officers DETAIL Duties and Responsibilities](#)

\$500 GRAND DOOR PRIZE Winners:

\$100 - Anna Marie Singleton KK7GNY

\$100 - Rick Hansen N7EGA

\$100 - Dave Mamanakis KD7GR

\$50 - Gale Sjol WD0CWK

\$50 - Ken Jaynes KJ7QJJ

\$50 - Barbara Siddle KB7FWW

\$50 - Sean DeHeer K7MPK

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



PREVIOUS MEETING PICTURES

Photos by ... **club photographers**



Rick Hansen—N7EGA

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

"Previous Meeting/Activity/Event" ...

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

ALSO

Check out the OARC Facebook page

"Ogden Amateur Radio Club"

OARC SOCIAL MEDIA MANAGER ... needed

NEXT CLUB MEETING/ACTIVITY

CLUB NEWS

Next Club Meeting/Event/Activity

Tri-County Swap Meet

Date: 3rd Saturday, 16 September 2023

Time: 9:00 am

Location: Bountiful Utah

>>> Check website for details <<<

CLUB & HOBBY NEWS

CLUB NEWS

Aaron Vin Farr (sk) W7HJK



1934 - 2023

In Loving Memory of Aaron Vin Farr (Vin) 1934-2023

With heavy hearts, we announce the passing of Aaron, a beloved husband, father, brother, and friend. At the age of 88, he peacefully left this world on August 22, 2023, surrounded by the love of his family. Born in Logan, Utah, on December 01, 1934, Aaron led a life full of accomplishments and cherished moments. He had an exciting career path, working for USU Channel 12 station in Electrical Engineering and a television station in Pago, Pago, American Samoa. He later went to work for ABEX Jetway, where he was responsible for and oversaw the development of many patents. Aaron received the Governor's Medal of Honor in Science Technology. While with Jetway, he traveled the world setting up and troubleshooting air-line issues. Aaron was a certified pilot and loved flying his personal plane. Aaron also enjoyed sailing and was an avid sailor even into his later years.

He leaves behind his wife, Valanne Hill Farr, sons Michael Farr (Wendy) and Jeffrey Farr (Jake), brother Hal Farr, and sister Diane Farr Carruth. He was preceded in death by his parents, Aaron Freeman Farr and Lena Edith Farr, as well as his sisters, Evelyn (Terry) Farr Roane and Karen Farr Keller.

Aaron was a devoted husband to his beloved wife Valanne, with whom he shared 67 years of unwavering companionship and love. Together, they built a strong and enduring bond that served as an inspiration to all who knew them.

Aaron was a loving and supportive father to his two children, Michael and Jeffrey. His guidance, wisdom, and kindness shaped their lives, instilling in them values that will continue to guide them in the years to come.

Throughout his life, Aaron was known for his wide variety of hobbies, interests, and passions. His commitment to his family and community enriched the lives of many, leaving behind a legacy of warmth, compassion, and generosity.

Graveside funeral services will be conducted at 10:30 am Saturday, August 26, 2023, at the Logan City Cemetery. There will be a visitation On Friday August 25, 2023 from 6 pm to 8 pm at the Franklin County Funeral Home, [56 S State Street, Preston, ID](#).

We want to thank the kind people at Legacy, and Sunshine Hospice, for their unwavering care and compassion during Aaron's final days. Your kindness will be remembered.

Though Aaron's physical presence may no longer be with us, his spirit will forever live on in the memories and hearts of those he touched. He will be deeply missed and lovingly remembered by all who had the privilege of knowing him.

Rest in peace, Aaron. Your love and light will continue to shine upon us.

In lieu of flowers, the family suggests donation may be made to the Cache Valley Walk to End Alzheimers by following this link To share a favorite memory of Aaron or to offer condolences to the family, please leave a tribute on this page.

To send flowers to the family or plant a tree in memory of Aaron, please visit our floral store.

To plant trees in memory, please visit the [Sympathy Store](#).

CLUB NEWS

By Craig Howe W0VRM



How to get a copy of your FCC License

The website is: <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>

Then put in your FRN number and password and click the submit button.

It may take a minute, but the next screen should show your licenses.

Click on your call sign.

Then Click in the green box at the top where it says Download your official electronic authorizations here.

Click on the word "here" which is the link for the download.

Highlight your call sign on the left side and click add to move it to the right box.

Then click the Download button at the bottom right side.

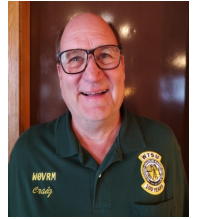
Give the download file a recognizable name under "save as" like "FCC W0VRM" using your own call sign of course.

Select the folder where you want to find it once it is downloaded. Then click SAVE.

Double click the PDF file and it should show "Official Copy" you will want to be sure and hang on to this as you will need to upload the digital PDF file to ExamTools.org later as well as to W5YI if you need proof of license to be a VE.

CLUB NEWS

By Craig Howe W0VRM



Steps to obtain a GMRS License

FCC regulations require anyone using a GMRS radio to be licensed (or part of a family who is licensed).

Go to: <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>

This is the FCC Licensing web site. Down the left side there is a place that says: "Need an FRN? Register with the FCC." Click on the Register with the FCC link.

Once you have registered with the FCC and obtained an FRN number, go back to the first link and log in using your FRN and password.

The License Manager will bring up a screen for My Licenses. At the top of the menu on the left side click on the link to "Apply for a New License".

You will be asked to select a service. The GMRS service is code "ZA" and is at the bottom of the list.

Use the Continue button to move through the process. This will walk you through the process and at some point, will allow you to pay online the \$35 license fee.

Things to consider: To obtain a GMRS license you must be 18 years old. More importantly, a GMRS license authorizes members of your immediate family to use the call sign. These rules are liberally interpreted to mean the License holder, spouse, parents, children and so forth.

One license per family is in keeping with the FCC regulations that require anyone who uses a GMRS radio to have a license or be related to someone who does (hopefully this person shares the call sign with the family). Licenses are good for 10 years and then need to be renewed or re-registered.

One GMRS starter radio is the Baofeng GM-15 PRO. It is rechargeable with a USB C cable and has GMRS repeater channel capability. Amazon.com has them for as little as \$36. A much better radio is the Wouxun KG-UV9G pro \$179.00 from BetterSafeRadio.com which has the advantage of scanning over 900 additional frequencies (many come pre-programmed with the radio).

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

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 Neil Klagge W0YSE



What is WSPR?

WSPR (pronounced « whisper ») stands for « Weak Signal Propagation Reporter ». It is a protocol used for weak-signal radio transmissions. It is not a QSO mode.

The protocol was designed and written by Joe Taylor, K1JT and his team, and is included in the WSJT-X program along with FT8 and other modes.

WSPR is great for testing your distance reach with various antennas and to evaluate your antennas on all amateur bands from VLF to EHF.

To see who is receiving your beacon, use your browser to bring up <http://www.wsprnet.org/drupal/wsprnet/spots> and fill in the blanks, then hit 'update'.

On 630m and below, we use FST4 for QSOs. It works the same way as FT8 and FT4, but it has several submodes for different speeds from 15 seconds to two minutes. I am hoping to make my first two way contact on 630 m from this QTH this fall using FST4.

If you have questions about WSPR, you can email me at w0yse@msn.com

[Neil Klagge W0YSE](#)

GUEST CONTRIBUTION

Stephane Budge KM3AGN

My First POTA Activation

Yellowstone K-0070

After completing my Tech ticket in Nov 2022, I got my HT (QRZ-1) and listened A LOT. Mic fright is a real thing. It took me one more cycle to complete my General ticket in the spring of 2023 and as soon as I could (with help from Stan and Craig and Gene and Val), I took advantage of the club's equipment loan program and got on the air. My initial desire in HAM Radio was to participate in EmComm (and I still want to) but then I started watching HRCC on YouTube and K6ARK SOTA activations and I thought that SOTA looked interesting and fun. And then I happened across POTA. My first real contacts after I got my General ticket were POTA activators in Colorado...and it was a 2-fer. From there, my only SSB contacts on HF have been POTA activators. And I wanted to activate a park.

I spent months trying to plan a time when I would be able to "naturally" find my way to a park without having to take time away from the family, especially the YL (who was less than enthusiastic that I found ANOTHER hobby that took time from the family). As it happened, the summer camp plan for our youth church group changed from river rafting (which is REALLY, REALLY expensive now) to camping in eastern Idaho with a day trip into Yellowstone. I FOUND MY MOMENT!

In the middle of July, I decided to test out my set up before I left to make sure things would work and that I would be able to TX and RX with minimal issues, if any at all (turns out I did have issues that I didn't even know I would have, but more on that later). My equipment list is below:

FT-100D (on loan from the club)

Tentec Argosy (so I could tune the antenna because I don't know how to set the FT-100D to low power for manual tuning)

MFF-945E Manual Tuner

3 ft RG8X jumper from the tuner to the radio

60 ft of RG8U

16 ft fiberglass mast

8m of radiating element

8m of copper shield as the counterpoise

QSO King box as the main antenna unit

You might have noticed that I didn't have a power source. This would not have been possible if my parents would not have left for a church mission to Africa at the end of June. My dad left his truck in my car and authorized me to use it, so I did. It just so happens that the truck has two inverters built in with regular household plugs at 115v and 400w...so I took my Tentec power supply from my base station along for the ride.

I tested my set up in my front yard to see if it would actually work...and it did! See pics below. During testing, I did notice some "popping" and "scratching" on TX, but wasn't sure what it was and since I was heard, didn't think to0 much of it so I packed up my station for the trip and then waited until our trip.





Once we got to the park, I made sure that everyone knew that I was going to set up for radio while all the others did their hikes and activities (I had been to Yellowstone before and while it is impossible to see everything in one trip, I really really wanted to activate this park as my first activation). My first set up was short lived. I was expecting a much longer hike by the rest of the group. As it turned out, it was really short. By the time I got everything set up, I was able to hunt one other park on a “park to park” and then they had come back. We took everything down and went to our next location where I had MUCH more time to set up and activate while they went on their hike. This time, I set up and was able to be on the air for an hour making 32 contacts on 20 meters SSB.

It almost went smoothly, but I was told that I had something going on with my TX that was making it hard to hear me. I could hear some noises from the radio/mic and thought I might have damaged something in the radio during transportation, but it turns out it was common mode feedback (more on that discovery in a later article). All in all, it was an awesome experience and an even better learning experience, which is what this hobby is all about, right? Experimenting and learning drive those in this hobby to keep going...and keep going I shall. My next article will be about my experience moving the shack at the house from one side of the house to the other and the challenges it has presented with mounting an antenna.



By Stephane Budge - KM3AGN

GUEST CONTRIBUTION

Kent Gardner WA7AHY



Is there a “Ghost Frequency”?

My cellphone news feed comes up with some intriguing stories, probably because of my clicking on science related subjects such as radio astronomy and ham radio. Recently, an article about a “Ghost Frequency” popped up. It suggested that **19 Hertz** caused strange things to happen in the human body/mind and surroundings in nature. It reminded me of my article in *WATTS NEWS of November 2019* where I summarized several similar frequencies as follows:

528 Hz -- Love Frequency

Beta Brainwaves 14-40Hz-- Awake Conscious & Reasoning

Alpha 7.5-14Hz -- Deep Relaxation Brainwaves

Theta 4-7.5Hz --Deeper Meditation, Approaching Sleep

Delta 0.5-4Hz -- Deep Sleep and Restful Slumber

Gamma 40Hz) and Higher -- Insight and Information Processing

The news story told of several experiences and tests. One was having a group watch a regular video and then had them watch it again, but this time injecting a 19 Hz subaudible segment. The participants then filled out a questionnaire. Most reported that the second time they became more apprehensive and felt something different.

Another experience was related where someone was working late and felt that something was different. His eyes played tricks on him and he became nervous and strange. It turns out there was an audio generator tuned to 19 Hz in the next room that had been left on. Physical forces also played a roll in causing a fencing foil in a vice to vibrate when a 19 Hz generator was nearby.

This was interesting reading to me.

TNX Kent, WA7AHY

GUEST CONTRIBUTION

Kent Gardner WA7AHY



DRY CELLS OLD AND NEW

I remember the “old” dry cells as being the 6 inches tall and 3 inches in diameter heavy cylinders from my Junior and High School science classes. They seemed to be constantly in sight anywhere I looked in the classroom. I understood that each one produced 1.5 volts direct current.



The picture of the first successfully manufactured model was taken from the predecessor of the Energizer company's website. It was made up of carbon-zinc with an acidic electrolyte. This makeup was the standard for 60 years. They were used initially in the automotive and telephone industries, but expanded to science and technical areas.

We are more familiar with the Eveready dry cell.



I don't remember owning one all these years, but finally I thought I could use several when I bought my Union Pacific Telegraph Sounder unit about 10 years ago. My idea was to put several in series to power the sounder. I bought three, thinking that the 4.5 volts would power it.

Little did I know that 4.5 volts would not activate the sounder coils. Then someone told me that it was a 30-volt unit so I had to switch to at least four 6-volt lantern batteries in series. The 24 volts or higher connection worked nicely. Now, I had three 1.5 volt dry cells that I haven't used for 10 years.

Continued ...

The top came off one of these and is shown below what it looks like inside. The lid jarred loose and shows the broken solder joint.



The 6 is a model number, not the voltage. Out of curiosity, I put my voltmeter on both of the other two cells and could not detect any residual voltage. Their Use By/Expiration Date was 2009.

Continued ...

The 6 is a model number, not the voltage. Out of curiosity, I put my voltmeter on both of the other two cells and could not detect any residual voltage. Their Use By/Expiration Date was 2009.



Specifications:

Cells Two 3-361 in parallel

Chemical System Zinc-Manganese Dioxide (Zn/MnO₂)

Classification Alkaline

Jacket Plastic

Nominal Voltage 1.5 volts

Terminal Screw Posts

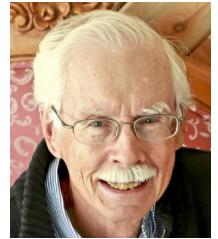
Typical Weight 482 grams (17.1 oz.)

TNX

Kent Gardner, WA7AHY

GUEST CONTRIBUTION

Dave Sanders K7RGY



This ham has a serious Ham Shack.

His main transceiver is the ICOM IC-7850 and costs almost \$20k.

<https://www.qrz.com/db/KG7YC>

Dave Sanders K7RGY

Spent the last couple years designing and assembling my ultimate shack. Over 150 PL-259's, 1/2 mile of coax, and we're all set. Primary radio is an [ICOM IC-7850 Limited Edition Fiftieth Anniversary](#) Tranceiver and Yaesu FTDX-9000D feeding a SteppIR DB36.



That's the Yaesu FTDX9000D in the far corner at the bottom to give you an idea on room size. Everything shown is hooked up and working.

GUEST CONTRIBUTION

Dave Sanders K7RGY



GUEST CONTRIBUTION

By KB6NU



Hack the ARRL?

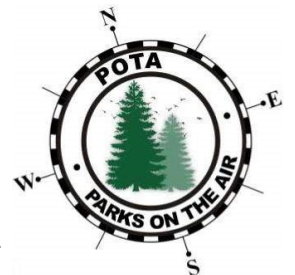
A couple of weeks ago, I attended DEFCON, which is arguably the premiere hacking conference in the world. DEFCON hosts a number of special interest groups they call “villages,” which organize their own sub-conferences on topics ranging from artificial intelligence to voting. One of those villages is the Ham Radio Village, and as I did in 2022, I taught a one-day Tech class in the Ham Radio Village on Thursday, August 10.



So, what does this have to do with the ARRL? Well, one of the more popular amateur radio sub-hobbies is to complain about the ARRL. I won't list all the complaints here, but I think that most of you will agree that there are more than a few complaints out there.

Well, part of the hacker ethos is to not just complain about things, but to do something about it. The Wikipedia entry on hacker culture puts it this way, “[hackers enjoy] the intellectual challenge of creatively overcoming the limitations of software systems or electronic hardware (mostly digital electronics), to achieve novel and clever outcomes.” It seems to me that we could creatively overcome some of the limitations of the ARRL, i.e. hack the ARRL, if we put our minds to it.

I think that Parks on the Air (POTA) is a good example of this. The ARRL actually gave birth to POTA with their year-long National Parks on the Air program in 2016, which celebrated the 100th anniversary of the U.S. National Park System. It was a very popular activity, but the ARRL dropped it like a hot potato once the year was over.



Fortunately for ham radio, a dedicated group of ham hackers stepped up and created the current POTA program. POTA is wildly popular and has been a real boon to amateur radio.

Get your hacking hats on

So, what else can be hacked? One thing that I can think of off the top of my head is Logbook of the World. At one time, there was talk about making it a more real-time system. I'm not sure whatever happened to that project, but my guess is that the programming was a lot more complicated than originally anticipated, and it got put on the back burner.

Another possible ARRL hack would be to do something about the ARRL's digital magazines. This hack is particularly needed now that fewer and fewer members are going to be getting the print versions of QST, QEX, and the National Contest Journal. Making the information more easily accessible I think would end up being beneficial for the ARRL as well as ham radio in general.

Can you hack a hamfest?

This isn't strictly an ARRL thing, but one aspect of ham radio that I would love to see hacked is hamfests. Recently, on the social media platform Mastodon, someone wrote:

“Researching local hamfests, and they're still such an old man thing. 7 am open gates. Grange fair. Fire house. Greasy breakfast cart. Noon close.

“Can we get like a 3 pm start time at a farmer's market with snacks, kombucha, and chiptune DJ?”

My reply was, “There's nothing that I know of that stopping anyone from starting something new.” I would love to see someone come up with something like a hamfest that's more relevant for younger hams and easier for them to attend. It wouldn't be easy to do, but life's not easy, is it?

Ham radio needs the hacker ethos now more than ever. Hackers take on difficult challenges because they are difficult, don't they? So, let's get to it.

By KB6NU

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 June 2023 activity report of the VM Program.

◆ Advisory notices were issued to operators in North Carolina and West Virginia for excessively wide transmissions (over 8 kHz). The operators were reminded that FCC rule 97.307(a) requires that no amateur station use more bandwidth than necessary for the information rate and emission type being transmitted.

◆ A licensee in Georgia received a second advisory notice regarding excessively wide transmissions and was informed that the matter would be referred to the FCC.

◆ A commendation was issued to a licensee in Michigan for courtesy and special efforts made in resolving an interference issue on 14.230 MHz.

◆ Licensees in New Jersey, Arizona, Vermont, and Illinois received advisory notices for FT8 operation on frequencies not allowed under their Technician-class licenses.

◆ A licensee in Nevada received an advisory notice for an out-of-band signal due to operation too close to the band edge on 40 meters.

The totals for VM **monitoring** during May 2023 were 1,961 hours on HF frequencies, and 2,696 hours on VHF frequencies and above, for a total of 4,657 hours.

For the quarter ending June 30, 2023, there were 15 advisory notices and eight commendations issued, two FCC referrals, and two FCC meetings. *Thanks to **Volunteer Monitor** Program Administrator Riley Hollingsworth, K4ZDH*

O'bay Swap

SWAP ITEM # 246

FOR SALE: *Liquidating world-class amateur radio station* (Mike Petz W7DNI)

ASKING PRICE: \$ (reference chart)

NOTE: Only serious interest enquiries

CONTACT: *If sincerely interested in what is available,*

please contact Dee Dostaler W7DEE at bdrr@msn.com

<u>Brand</u>	Model	Nomenclature	Asking
Yaesu	FT-450AT	HF/50MHz Transceiver NIB	\$400
ICOM	IC-2730	Tranceiver	\$225
ICOM	ICT7H	Handheld Transceivers (2 available)	\$80 ea
ICOM	IC-AT180	External Auto Antenna Tuner	\$200
ICOM	ICSM20	Mic	\$100
ICOM	IC3PA	Power Supply	\$50
Heil	Proset-IC	Headset	\$120
Heil	Proset 3	Headset	\$100
Astron	SS-30M	Power Supply	\$250
Astron	RS-30M	Power Supply	\$150
MFJ	269	Antenna Analyzer	\$125
MFJ	MFJ-260B	Dummy Load, 300W, 0-150MHz NIB	\$50
MFJ	MFJ-418	Morse Code Tutor NIB	\$90
MFJ	MFJ-461	Morse Code Reader NIB	\$90
MFJ	MFJ-557	Code Practice Oscillator	\$30
West Mountain	Rigblaster Pro	Control Interface	\$100
Alpha Delta	Delta 2B	2 position Coaxial Switch w/gnd	\$40
Home Built		2M Tape Measure Fox Hunt Antenna	\$10
		Clampable Desk Lamp	\$10

O'bay Swap

SWAP ITEM # 242

FOR SALE: Collins 30L1 Amp

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

ASKING PRICE: \$650

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



O'bay Swap

(repeat)

SWAP ITEM # 225

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

REFER TO CHART: Donation Inventory

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

CONTACT: Gene Morgan WB7RLX, 801-540-4907, ee_morgan@outlook.com

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

O'bay Swap

SWAP ITEMS WANTED

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

CLUB REFERENCE MATERIAL

OARC Repeater Sites

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

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

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

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



Scott Willis KD7EKO



Mike Fullmer KZ7O

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

OARC MEMBERSHIP DRIVE

SUPPORT YOUR RADIO CLUB

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

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

THANK YOU FOR YOUR SUPPORT

Join OARC

Join or Renew your membership now!

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

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

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

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

Club Badges

OARC Club badges are available for all licensed club members.

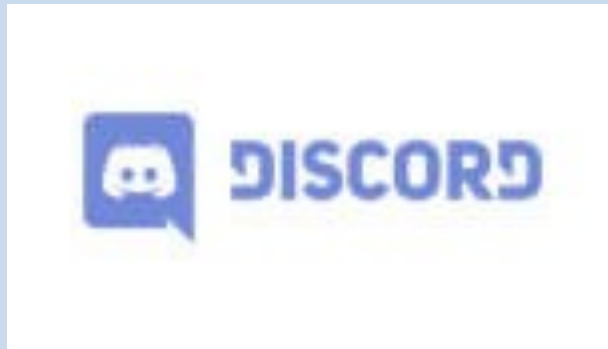
The cost is **\$12.00** each. The badge comes with a “MAGNETIC” clip. Badge includes your Call Sign in large letters and your First Name in a somewhat smaller font in white lettering on a pitch black background with the club logo. See example below.



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

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

OARC Discord Page



Did you know that OARC has a Discord page ?

What is a Discord Page you ask?

It is OARC's new discussion group site.

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

OARC Facebook Page



Did you know that OARC has a Facebook page ?

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

OARC You Tube Channel



Did you know that OARC has a You Tube Channel ?

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

It's easy to view missed



meetings...

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

ANNOUNCEMENTS

Next Club Meeting:

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/	1 st Thursday 7:30 pm	UofU EMC Bldg Room 101 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
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	CSEGR	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