

WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

APRIL 2022

Next Club Meeting/Activity/Events

In Person—Meeting



Dave Mamanakis KD7GR
President



Justin Hall KB7LAK
Vice President



Colleen Pike KJ7EAY
Secretary



J. Siddle KG7CJN
Treasurer



Mike Wilde KJ7HEX
Program Director



Cody Hearrell KJ7OHU
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

OARC Watts News Masthead

www.OgdenArc.org

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President: Dave Mamanakis KD7GR

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Program Director: Mike Wilde KJ7HEX

Activity Director: Cody Hearell KJ7OHU

"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

OTHER CLUB APPOINTMENTS

VE Liaisons: Richard Morrison W7RIK
Gil Leonard NG7IL

Jason Miles KE7IET (IT)

Repeater Engineers: Mike Fullmer KZ7O
Scott Willis KD7EKO

Photographer: Kathryn Sutton K8RYN

Asst Photographer: Rick Hansen N7EGA

QSL Manager: Pete Heisig AI7GV

QRZ Manager: Tim Samuelson KE7DOA

Badge Manager: Barbara Siddle KB7FWW

Antenna Manager: Gene Morgan WB7RLX

Historian: Kent Gardner WA7AHY

Club Call Sign Trustee: Larry Griffin AD7GL

Club Elmer: Stan Sjol W0KP

Social Media Manager: **Wanted**

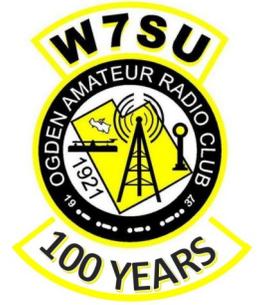
Equipment Manager: **Wanted**

Centennial Committee Chair: Gil Leonard NG7IL

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



OARC COMING EVENTS



OARC April (in-person) Meeting

3rd Saturday 16 April 2022 @ 9:00 AM

Next VE Test Session

1st Wednesday 01 June 2022 @ 6:00 PM

A MESSAGE FROM OUR PRESIDENT

Dave's Rag Chew



Dave Mamanakis KD7GR

Greetings My Friends...

I'm afraid I have some unpleasant news for this newsletter...

From the ARRL:

"The Federal Communications Commission (FCC) staff has clarified in response to an ARRL request that the new \$35 application fee will not apply to most license modifications, including those to upgrade an Amateur Radio Licensee's operator class and changes to club station trustees. The FCC staff explained that the new fees will apply only to applications for a new license, renewal, rule waiver, or a new vanity call sign. As previously announced, the new fees take effect on April 19, 2022."

Yep. The FCC has decided to not listen to Ham Radio Operators and they want new fees. And, to not be a doomsdayist, I think the Forestry Service will also approve their new fees for repeater sites.

So, be aware, if you want to apply for your Vanity... NOW is the time.

Beyond that, I'm working on my spring projects, as I am sure most of us are. Yard work... antennas... cleaning out the garage...

Basically, I'm trying out a variety of things, trying to see what does and does not work...

I'm working on a longwire antenna to try to tune up 80, 60, 40, 30, 20 and 10...

I may end up using two or more antennas, one for 10, 20, 40, 80, the other for 30 and 60. I haven't found my right combination yet.

This is all in preparation to help out with the Tahoe 200. We will be using JS8Call and we are trying to work it now to make sure we know what frequencies we will be on and that the computers, software, radios, and other things are all working together to make communication happen.

Join us, if you like, on Wednesday evenings (10pm)... we've moved from 80m on JS8 to 60m... you have to add the frequency, 5.357mhz, but it's not hard. JS8 looks and feels a lot like FT8.

I can't remember if we've made any kind of formal announcement, yet, but we do have a Facebook Page, just look up Ogden Amateur Radio Club, and we now have a Discord Server, Install Discord on your phone, tablet, or PC and look up Ogden ARC.

We used to have chats on Yahoo Groups, but haven't used that for years, and I'm not even sure it exists anymore... but Discord gives us our own little slice of the Internet, with chat rooms and more. *Editors Note: Yahoo closed down all Yahoo Groups some time ago leaving OARC without.*

Don't forget the Ham-n-Eggs net on Tuesday Evenings, the Club Meeting in April, especially as we prepare for Golden Spike (W7G), and the start of our Summer Activities! We will keep the Web Site up to date, we will post information on Facebook and Discord, and we will ALWAYS keep you updated on the Ham-n-Eggs net!

Our summers are fun, and this one should be really fun as we emerge from the Pandemic!

One Last Thing...

I don't know how many of you know what a QSL Card is... I mean, in our new and modern society, we do logging via the internet with Logbook Of The World, QRZ.com, and all our Digital Modes seem to log contacts for us, not to mention all the sites like EQSL.cc that kind of does an "electronic QSL card" for you...

Hmmm

So, if you don't know what an actual QSL Card is, I totally get it. In a nutshell? A QSL card is the "old way" that we would verify a contact with someone else. Somewhere else. Sure, we'd keep their info in our log, but you couldn't verify their side of things without giving and getting a QSL Card.

About the size of a postcard, you fill out the information for the QSO, either stick it in an envelope or like a postcard, stick a stamp on it and away it goes! Then, some time later, you get one from them...

We still do this as a Club, and we really enjoy sending off QSL Cards to people when we make contact at official club functions, like the upcoming W7G, Golden Spike Celebration.

This is why we invite you to come make contacts at the event! It is a lot of fun and we get to keep this Ham Radio Tradition alive! *Editors Note: See OARC's Golden Spike W7G QSL card below.*

If you want to keep another Ham Radio Activity alive, try sending a Radiogram... yep, you can still do that. It is something we haven't done as a club... and maybe we should...

Ok, I'm going to go play with another radio for a little while. I'm trying to get my configuration files on 3 different machines to work with JS8 and my HF Radios...

We'll see you on April 16th at UMA for our Club Meeting (Don't Miss It!)

--Dave (KD7GR)

W7G



Golden Spike Special Event

Confirming contact with:			Date (dd/mm/yyyy)	
Band	Mode	RST	UTC	QSL PSE TNX

Verified: _____

Comments:

Printed by:
www.PhotoQSLs.com & **AccuColor**

W7G

Ogden Amateur Radio Club
W7SU - Since 1937
P.O. Box 3353
Ogden, UT 84409
U.S.A.

www.OgdenARC.org

The Golden Spike was 5 5/8 inches long, weighed 14.03 ounces and was made of 17.6 carat gold. It was engraved on all four sides and the top. Two sides bore the names of railroad officers and directors. Another side was engraved, "The Pacific Railroad ground broke Jany 8th 1869." The fourth side was engraved, "May God continue the unity of our country as the railroad unites the two great oceans of the world. Presented David Hewes San Francisco." The top of the spike was simply engraved, "The Last Spike."

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 0200 UTC (7:00 PM MT)

10 Meters HF - **28.385 MHz SSB (USB)**

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

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

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

“Work toward getting your “10 meter WAS Award”

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



Gene Morgan (WB7RLX)

CLUB NEWS

Ham & Eggs Breakfast

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

Now at a new location:

The Rusted Spoon-Ogden (previously The Stagecoach)

1310 Wall Ave, Ogden, UT

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

A record number attended recently ... 17 total.

73, Dave KJ7DAD



Dave DeHeer (KJ7DAD)

PREVIOUS CLUB MEETING/ACTIVITY

CLUB NEWS

Previous OARC March Meeting

HAM Pi

by Dave Mamanakis KD7GR







PREVIOUS MEETING PICTURES

Photos by ... **club photographers**



Kathryn Sutton— K8RYN



Rick Hansen—N7EGA

"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

OARC

April Activity/Event

In person Meeting

Date: 3rd Saturday 16 April 2022

Time: 09:00 am

**Location: Utah Military Academy [MAP](#)
5120 S 1050 W, Riverdale UT 84405**

Topic: TBA

Check the club website homepage for the latest information.

CLUB & HOBBY NEWS

CLUB NEWS

NEW! *2022 Simplex Challenge* to Get Radio Active

NEW! Simpler requirements & Easier log requirements

To encourage additional activity and interest toward OARC's 2022 Simplex Challenge to get Radio Active the award requirements have been simplified.

To qualify for your first award you only need to log 10 contacts.

And the minimum hand log requirements are:

stations worked (callsign/name), date/time , frequency

Lets get in the air and do it!

2M:

146.520 MHz (primary)

146.540 MHz

146.560 MHz

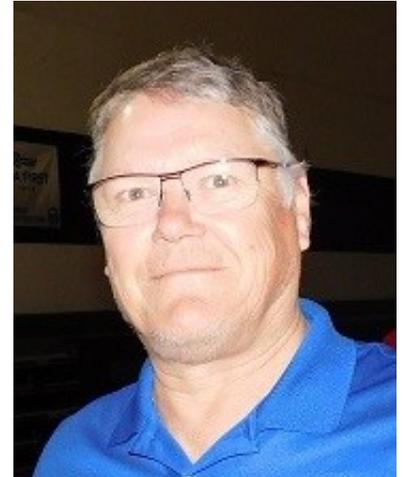
70cm:

446.000 MHz (primary)

446.500 MHz

447.800 MHz

CLUB NEWS



We want to welcome Kenny Pronschinske (KI7UFN) as our newest Ham & Eggs Net—Net Controller.

Expect to hear from him every third week.

Be sure to check-in to the net every Tuesday evenings at 6:30 PM on the 446.800 repeater.

Thanks for volunteering Kenny. You're the man!

CLUB NEWS

I found this on the internet today. I had posted it at least 10-15 years ago. I may have told a couple of you about it recently.



I was hiking on the ridge above the trail head in North Ogden divide. I put up a 34' wire into one of the trees...here is the rest of the story...

I wouldn't have believed this but it happened to me today.

I decided to go on my first backpacking QRP adventure into the mountains above Ogden, Utah. I had everything, right?? I found a good spot with a tall tree into which I threw up an EFHWA (end fed half wave antenna). It loaded up very well and I heard G3BTM loud and clear. I reached into my pack to find the key..... NO KEY. NO PADDLES either!!!

ARRRGGGGG!! Since my MFJ-9020 has a speaker, I decided to use the earphone plug as a key to tune up the tuner. Then I tried calling G3BTM by moving the plug in and out of the key jack. It was slow and sloppy. I think he heard me, but since I sounded like a pre-novice, he was not about to entertain a QSO with THAT fist.

So I decided to tune up to the QRP freqs and found SM4CAN/qrp calling a weak CQ. I answered him with my "plug fist" and lo' and behold, he came back to me and gave me a 449. I about died!! Kent was running only 5 watts to my 2 or so (low batteries).

It jus' shows-ta-go-ya that you should nevvva give up!! (or "where there's a will, there's a way).

73 , Neil, W0YSE since '54



Neil , w0yse, DN41ah, North Ogden, Utah 84414

My ham radio website: <http://w0yse.webs.com/>

CLUB NEWS

Ham Shack Photos

The previous months unidentified ham shack was...



K7VIA - Bill Via

CLUB NEWS

Ham Shack Photos

The next in the series of unidentified ham shacks is shown below.



Do you know whose ham shack this is?

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 received by OARC members

N7SHA

N7SHA

OGDEN, UTAH
DN-41

Thanks for the contact

73



Okay, This QSL card is not one that was received by an OARC member but rather one that MIGHT be sent from one of our members.

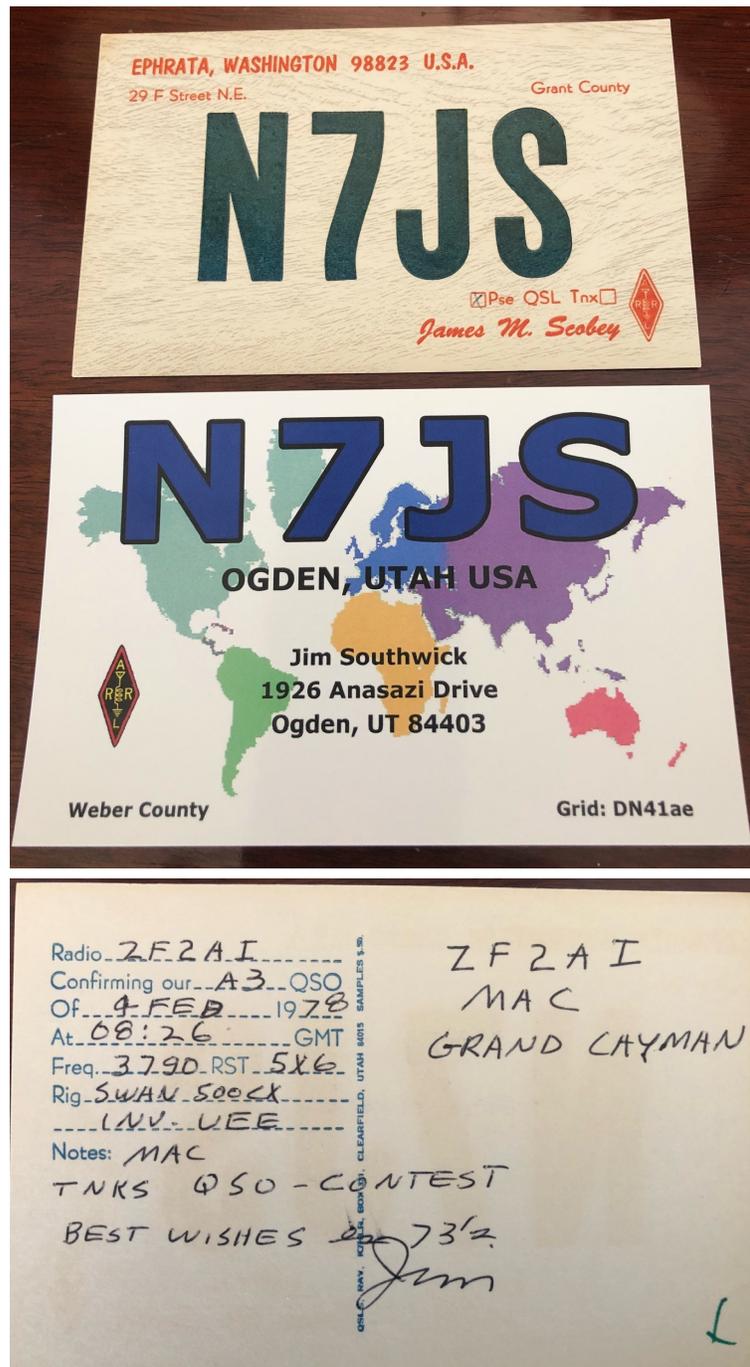
I THINK NOT?

CLUB NEWS

Unique QSL Cards received by OARC members

How about this one? Discovering that Ebay has a fair amount of sellers peddling old QSL cards, I decided just for fun to type my call sign in the search. Lo and behold, up came one with my call but it wasn't me! It was a card from the late 70's of the previous holder of my call (Now SK). Like me, the call was his initials. Knowing how many people were trying for this call when I was granted it many years ago (thank you FCC), it makes me wonder (hopefully in the distant future!) if the next holder will also have it for his/hers initials?

Jim N7JS



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

HOBBY NEWS

NOTICE

Ham Radio Technician Course Announcement

The Davis County Amateur Radio Club is pleased to announce that they will be sponsoring a Technician Licensing Course.

It will be held at Layton City Office, at 437 N. Wasatch Dr., Layton, Utah 84041.

There is no cost to take the course. Pre-registration is required due to social distancing limitations.

We will be using The Technician License Course (2018-2022 Pool) book by Stu Turner. The books sell for \$22.95 plus shipping if you order them online. The Davis County Amateur Radio Club has some available for \$20.00 at the class.

The course starts on 27 April 2022 every Wednesday evening from 6:00 – 8:30 PM thru 25 May 2022,

Or

29 April 2022 every Friday morning from 9:00 – 11:30 AM thru 27 May 2022.

The exam session will be Wednesday 1 June 2022.

For more information contact Spencer Mark at ae7io@arrl.net or 801-564-8054.

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!

O'bay Swap

(repeat)

SWAP ITEM # 225

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

REFER TO CHART: Donation Inventory

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

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

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

CLUB NEWS

(repeat)

WANTED...

OARC EQUIPMENT MANAGER



Consider the rewards awaiting you to volunteer for this rewarding and thrilling opportunity. *Hurry because this opening will go fast.* Contact our club president to secure your role in this position.

Thank you everyone. 73

CONTRIBUTING EDITOR SUBMISSIONS

GUEST ARTICLE

by Gene Morgan WB7RLX



Antenna Tuners: Setting the Record Straight

Sometimes the antenna tuner gets a bad rap and for many the antenna tuner has become a redundant relic of the past. In this article we are going to talk about what they are, what they do and answer the question, do you need one?

By Eugene Morgan (WB7RLX)

Introduction

Over the winter months I started thinking about antenna tuners. There were several reasons for this. One was due to some of the discussion I had heard over the local repeater and second was the dissatisfaction I was having with my own antenna tuner. Consequently I started to really dig in and learn as much as I could about these mysterious magic boxes. What I came away with was an appreciation for what these devices do and a humility for the hams who hand built their own tuners.

As I think back to every HF ham station I've put together, including my mobile installations, the antenna tuner was always one of those black boxes I included. Of course when I got into ham radio in 1977 our radios didn't have built in tuners, so every ham I knew owed one and promoted their use. So it's always been a part of my ham station and I never questioned the need.

The goal of this article is to help you understand a little more about these devices so you can make an informed decision if you find yourself in a position of wanting to purchase a tuner. As I've mentioned in other articles the reviews we often see on QRZ and other Internet forums are subjective and often the reviewers lack a basic understanding of the subject matter. They think because it can tune their antenna and they were able to contact a station in Texas it's a great device. What they don't realize is there is much more to the story. I was bamboozled by some of these reviews as well and it's one of the reasons I'm writing this article. I want to set the record straight and help you not make the same mistakes I made or have some of the same misunderstanding I had.

Today almost every HF radio on the market has a built in tuner and consequently folks have started to question the need for an external tuner. That will be one of the questions we are going to tackle in this article. But not just yet. I want to start by exploring some misconceptions regarding antennas and the need for a tuner.

1. An antenna operated at its resonate frequency doesn't need a tuner. *False, resonance only means the feed point is resistive and does not infer a low SWR.*
2. Resonant antennas radiate better than non-resonant antennas. *False. The pattern may change at resonance but the antenna will still need to be matched to ensure there is a maximum transfer of power to the antenna system.*
3. Most antennas are resonant at only one frequency. *False, all antennas have multiple resonate frequencies. However some of those harmonic frequencies may be outside of the ham bands.*
4. The ability to match an antenna is more important than efficiency when choosing a tuner. *True, if the antenna tuner doesn't provide a match to the antenna system not much else matters.*
5. The SWR presented by an antenna is minimum at the fundamental resonant frequency. *False, SWR may be at a minimum but it is not a requirement.*
6. A tuner placed at the antenna will result in a more efficient system than one placed in the shack. *Generally speaking this is true, by tuning in the shack you will have loss in both the tuner and the transmission line. By tuning at the antenna you will have minimal loss in the feedline and most likely only a small amount of loss in the tuner. See also 9 below.*
7. Tuners should not be cascaded? *There seems to be two different schools of thought on this and consequently no definitive answer. What I have found that seems hard to argue with is the following: "A transceiver's or amplifiers internal auto-tuner should be disengaged when using an external tuner. Cascading tuners can reflect high reactance values back into the auto-tuner and/or LPF bank. As a result, dangerously high RF voltages can appear across capacitors in these networks, leading to component failure." For my part I never cascade tuners, but then again I've never had a need to. I've found that often by adding an impedance transformer (balun or unun) at the feed-point allows my tuner to establish a match. FYI: An LPF bank is the bank of lumped value inductors and capacitors often found in many auto tuners.*
8. A tuner in a radio that is specified to match a 3:1 SWRs will be able to provide a match for all 3:1 SWRs. *False. There may be some combination of impedance and capacitance the tuner may not be able to compensate for even if the SWR is 3:1.*
9. Does Coupler Use = Incompetency? *Claims made by some would imply this is true, "I don't need a tuner since my antennas are designed properly. Tuners have too much loss." This is false! The losses in a tuner are often fairly small. But there are mitigating factors. Poorly designed tuners can exhibit a fair amount of loss at high SWR's so buyer beware.*

10. A tuner will improve the performance of my antenna. *False! A crappy antenna with a tuner attached is still going to be a crappy antenna. The only difference is the radio will at least be able to transfer maximum power to the crappy antenna. One should always start with the best antenna and transmission line they can deploy which will always be limited by each Amateur's unique set of constraints.*

Due to the length of the article the decision was made to only publish the introduction in the April Newsletter. Originally I had intended this article to appear in its entirety in the April Newsletter but as I got deeper and deeper into the subject I soon found there was a lot more to these devices, especially after I started looking under the hood. You can find the entire article on the clubs web site at OgdenARC.org.

The article "Download" link can be found on the OARC website "Downloads" page and for a limited time on the OARC website home page. Look for the following locator.

Member Downloads

by member **Eugene Morgan WB7RLX**

Antenna Tuners – Setting the Record Straight (pdf) **NEW!**

GUEST ARTICLE

by Kent Gardner WA7AHY

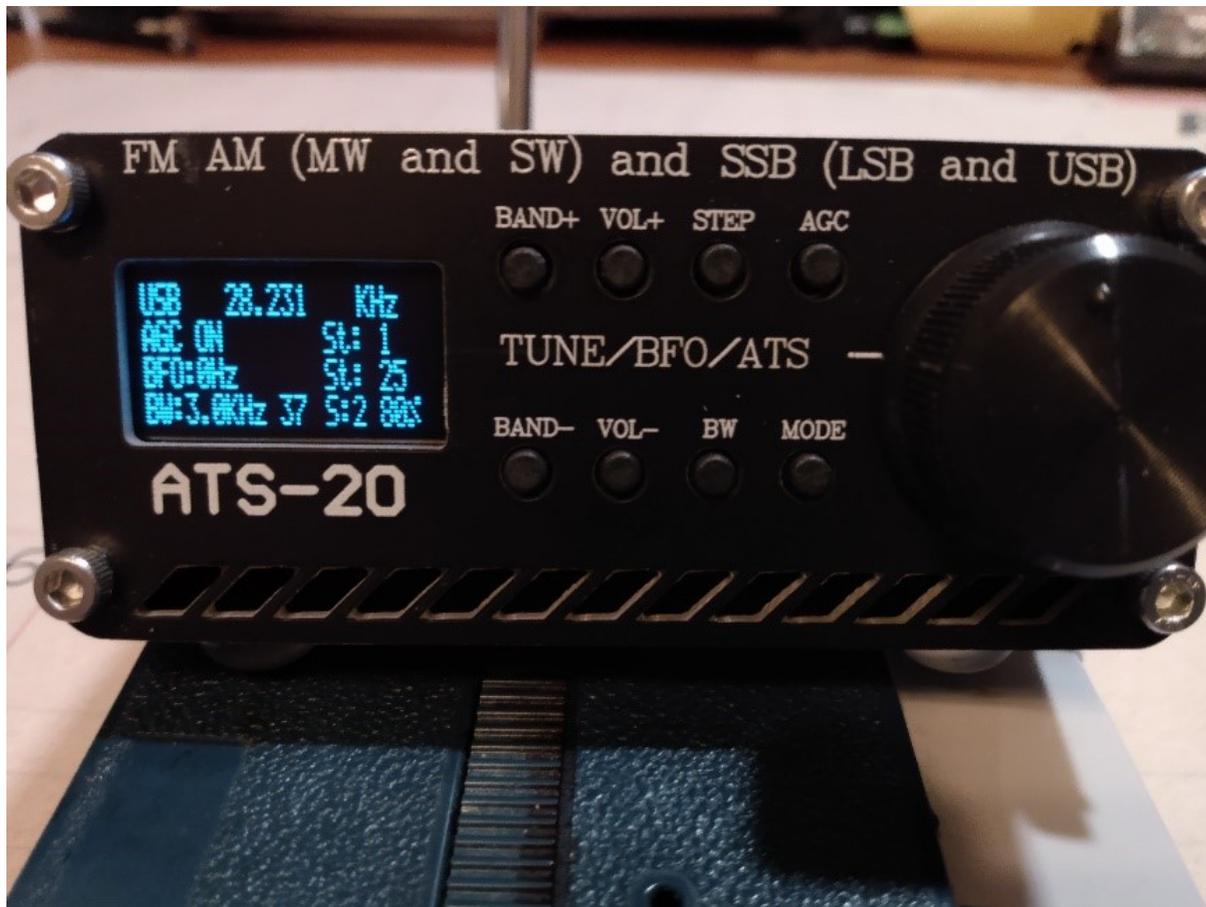


Headboard Radio

My first shortwave receiver was ordered from the “Monkey Wards” catalog store in Burley, Idaho back in the 1950s. I originally ordered a Hallicrafters S-38e, but they were out of stock, so they sent me a National SW-54 instead. I was so excited to get it I didn’t send in back even though it had a manual bandspread. It turned out to be a wonderful radio, especially when I got to college.

My dorm room had a shelf across the wall where my bed was. I ended up putting my radio just above the head of my bed. When I was lying down, not seeing the dial, I could reach above my head and tune the SW-54 across the bands looking for the ever present international shortwave stations....a world of wonder to be sure.

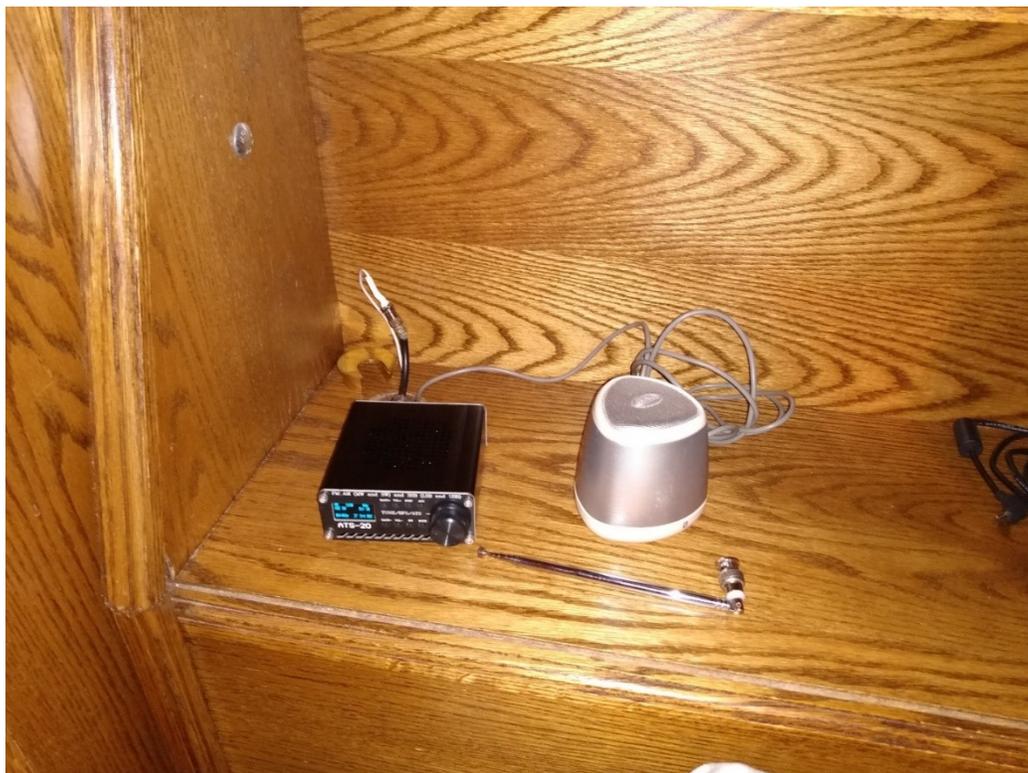
Ever since then, I have kept a receiver in my headboard so I could reach over and tune across the bands while in bed. The space in my present headboard for the radio was limited so a lot of general coverage receivers were too long/big to fit. There were two such radios at the recent VHF Society swap meet, but I was outbid. In searching for a radio with the right dimensions, I ran across several candidates. One was Russian and the other was Chinese. They had about the same specifications. I ended up buying the Chinese version as shown below for an even \$50.00 because it was immediately available.



The following pictures shows the back side and the bootup screen showing an Arduino reference. You can see the OFF/ON slide switch on the rear panel. The original box with the receiver included a USB charging cable, but no wall transformer. I had to dig one out of my junk bag. I plugged in the charger, thinking I could leave it connected/charging when I was listening. What a disaster. The audio was almost completely unlistenable because of the hash from the charger. One has to charge the internal battery up when the unit is not on. I have to listen on the internal battery only. I have yet to experiment with other brands of wall-warts.



This is what my headboard compartment looks like. I have a 50-foot longwire in the attic and I soldered on a BNC connector to attach to the antenna input. You can see the included collapsible antenna with a BNC connector next to the Blue Tooth speaker. The speaker gives it a deeper bass quality, but the internal speaker gives a slightly better, more listenable sound. I tried to ground the chassis by using a clip lead, but no difference was noted.



The receiver specifications are: (cut and pasted from an ad on the internet)

Aluminum Alloy Case】 The portable Si4732 Full Band radio receiver made of Aluminum Alloy Case, strong and durable; the PCB retains the Si4735 package, users can replace the chip by themselves, and the software is compatible.

【Wide Application】 The Full Band Si4732 radio receiver suitable for outdoor camping, listening to radio music in the kitchen,

【Portable & Convenience】 The full-band receivers lightweight and sturdy components and unique and exquisite design maximize portability; easily to use with large tune knob.

【Technology】 The Si4732 Full band radio receiver uses multiple conversion and DSP digital demodulation technology, greatly improving the sensitivity of the radio. Audio output supports headset 3.5MM; Supports 8 ohm speaker 1W output; FM supports earphone antenna. Use a 3.6v lithium battery; Support USB charging. Antenna interface uses BNC.

【Comprehensive Function】 For this Si4732 radio receiver, FM stereo, AM, LW, SW, SSB world band receiver, Radio receiver suitable for global FM broadcast reception; Audio bandwidth filter 0.5, 1, 1.2, 2.2, 3 and 4Khz; 22 commercial and ham radio bands pre-configured.

The tuning knob sure beats using up and down buttons like my Sony ICF-SW35 portable transistor receiver. The arrival of the receiver couldn't have been timed better. I was in the midst of trying to identify a 10-meter mystery signal, but that is another story.

To do RF snooping, I just have to put it in my hand and start walking. It will be good also, to go inside a home and walk around trying to identifying the mystery signal.



I probably would not buy another one. Trying to change modes, bandwidth, bands and AGC with my fat fingers in the dark is just too difficult. Listening to commercial broadcast stations is okay. It does very well with the 5 and 10 MHz WWV stations so could be dedicated for that purpose and then would be worth the \$50.00.

TNX

Kent Gardner, WA7AHY



<http://arrl.informz.net/z/cjuucd9tat0yndu0ntk5jna9msz1ptuymdu0ndyynszsat0ynduxmtcwnq/index.html>
Click or tap to follow link.

Homepage is Changing

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The National Association for Amateur Radio®

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IN THE ARRL STORE

Make the most of your amateur radio license with ARRL!

Early next week, our homepage will have a new look. You'll also notice a new streamlined menu to help you quickly find what you need.



New Amateur Radio License Applications Fee To Become Effective April 19, 2022

A Public Notice released by the Federal Communications Commission (FCC) on March 23, 2022, in [MD Docket No. 20-270](#), announced that new application fees for Wireless Telecommunications Bureau applications will become effective on April 19, 2022. The new fees, mandated by Congress, apply to applications for Amateur Radio licenses including those associated with filing Form 605, the Amateur Operator/Primary Station Licensee Application.

Effective April 19, 2022, a \$35 fee will apply to applications for a new Amateur Radio license, modification (upgrade and sequential call sign change), renewal, and vanity call signs.

Anticipating the implementation of the fee in 2022, the ARRL Board of Directors, at its July 2021 meeting, approved the "ARRL [Youth Licensing Grant Program](#)." Under the program, ARRL will cover a one-time \$35 application fee for license candidates younger than 18 years old for tests administered under the auspices of the ARRL Volunteer Examiner Coordinator (ARRL VEC). Qualified candidates also would pay a reduced exam session fee of \$5 to the ARRL VEC. ARRL is finalizing details for administering the program.

ARRL had filed comments in opposition to imposing a fee on Amateur Radio license applications. The FCC initially proposed a higher, \$50 fee. In a Report and Order (R&O), released on December 29, 2020, the amount was reduced -- the FCC agreeing with ARRL and other commenters that its proposed \$50 fee for certain amateur radio applications was "too high to account for the minimal staff involvement in these applications."

ARRL Volunteer Examiner Coordinator (ARRL VEC) Manager Maria Somma, AB1FM, explained that all fees are per application. "There will be no fee for administrative updates, such as a change of mailing or email address. The fees will be the responsibility of the applicant regardless of filing method and must be paid within 10 calendar days of FCC's receipt of the application. For applications filed by a VEC, the period does not begin until the application is received by the Commission, a ULS file number assigned, and an email sent by the FCC directly to the applicant."

VECs and Volunteer Examiner (VE) teams will not collect the \$35 fee at license exam sessions. New and upgrade candidates at an exam session will continue to pay the \$15 exam session fee to the ARRL VE team as usual, and pay the new, \$35 application fee directly to the FCC by using the CORES FRN Registration system ([CORES - Login](#)).

When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 calendar days from the date of the email to pay. After the fee is paid and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license or explanation of other action. The link will be good for 30 days.

Somma also explained that applications that are processed and dismissed will not be entitled to a refund. This includes vanity call sign requests where the applicant does not receive the requested call sign. "The FCC staff has suggested that applicants for vanity call signs should first ensure the call signs requested are available and eligible for their operator class and area, and then request as many call signs as the form allows to maximize their chances of receiving a call sign."

Further information and instructions about the FCC Application Fee are available from the ARRL VEC at www.arrl.org/fcc-application-fee. Details for the ARRL Youth Licensing Grant Program will be similarly posted there, when available.



Volunteer Monitor Program Cautions against Operating Beyond License Privileges

03/03/2022

Many of the Advisory Notices sent out each month by the ARRL [Volunteer Monitor Program](#) go to stations heard operating outside the operator's license privileges.

Typical cases often involve operators holding Technician- or General-class amateur licenses being heard on a frequency or band not permitted by their license privileges. Most recent incidents have frequently entailed FT8 digital mode operation by Technician licensees on 20 and 40 meters. Technician licensees do not have any operating privileges on 20 meters, let alone digital privileges, and FT8 is a digital protocol.

Technicians (and Novices) may operate CW between 21.025 and 21.200 MHz on 15 meters, from 7.025 and 7.125 MHz on 40 meters, and from 3.525 to 3.600 MHz on 80 meters, but they do not have *any* digital (data) mode privileges on these bands.

ARRL Volunteer Monitor Program Administrator Riley Hollingsworth, K4ZDH, said licensees who need a refresher course regarding their operating privileges may refer to Section 97.301 of the rules. ARRL also has a convenient chart on its [website](#) that details privileges available to all license classes, from Novice to Amateur Extra.

As monthly Volunteer Monitor reports indicate, some General-class operators have lost their way on some bands too, and Advisory Notices have gone out to those operating outside of the General-class phone subbands. For example, on 20 meters, Generals may operate phone from 14.225 to 14.350 MHz, but occasionally, General-class operators are heard outside of that subband. On 40 meters, the phone and image subband open to General licensees is 7.175 to 7.300 MHz. Of course, Technician- and General-class licensees may operate CW on any subband on which they have operating privileges, although operation within the CW subbands is preferred by band plan.

On 10 meters, Technicians have RTTY and data privileges — including FT8 — from 28.000 to 28.300 MHz, and SSB phone privileges from 28.300 to 28.500 MHz, and may operate on CW over the entire 28.0000 – 28.500 MHz segment. Technicians may enjoy all operating privileges at 50 MHz and above.

The ARRL Volunteer Monitor program is a formal agreement between the FCC and ARRL. Volunteers trained and vetted by ARRL monitor the airwaves and report evidence that may be used to correct errant operation or to recognize exemplary on-air operation.

CLUB REFERENCE MATERIAL

CLUB REPEATER NEWS



Scott Willis KD7EKO



Mike Fullmer KZ7O

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

OARC MEMBERSHIP DRIVE

SUPPORT YOUR RADIO CLUB

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

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

THANK YOU FOR YOUR SUPPORT

Join OARC

Join or Renew your membership now!

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

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

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

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

Club Badges

OARC Club badges are available for all licensed club members.

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



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

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

OARC Discord Page



Did you know that OARC has a Discord page ?

What is a Discord Page you ask?

It is OARC's new discussion group site.

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

OARC Facebook Page



Did you know that OARC has a Facebook page ?

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

OARC You Tube Channel



Did you know that OARC has a You Tube Channel ?

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

It's easy to view missed



meetings...

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

ANNOUNCEMENTS

Next Club Meeting:

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 (Co-Liaison)

morrisonri@msn.com (801-791-9364)

Gil Leonard N7GIL (Co-Liaison)

Jason Miles KE7IET (IT)

Cost: \$ 14.00

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

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

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

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	Little Mtn
448.575-	OARC	100.0	Little Mtn (no autopatch)

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

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

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	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 @ 7:00 PM	OARC - 10 Meter Net	28.385 MHz USB (all hams invited)
Thursday @ 6:30 PM	Davis Co Elmers Net	147.040 + 123.0 New Hams
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0 3 rd Thursday - even months only
Thursday @ 8:30 PM	Davis ARES	147.420 = simplex
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mst	RACES State HF	3.920 Mhz HF LSB 3 rd Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

73 de W7SU

w7su@arrl.net

www.OgdenARC.org

PO Box 3353 Ogden UT 84409