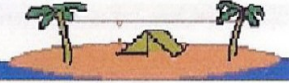


# WATTS NEWS



**The Best of Amateur Radio**

## OARC e-Magazine

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

**November 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](http://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 - Dave Mamanakis KD7GR

YouTube Videos - Jason Miles KE7IET

VE Liaison Operations – Rick Morrison W7RIK

VE Assistant - open

VE IT – Jason Miles KE7IET

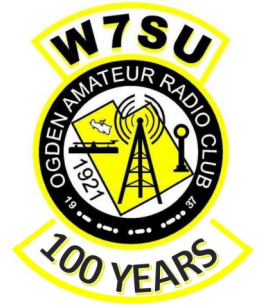
Zoom Manager – Justin Hall KB7LAK



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## OARC COMING EVENTS

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### Next Meeting/Activity

3rd Saturday 18 November 2023

9:00 AM @ UMA

**OARC in-person Meeting**

**Congratulations to those who successfully tested  
at the OARC - OCTOBER 2023 VE TEST Session**

**EXTRA**

**CALL**

**GENERAL**

Jody Deamer

**CALL**

KK7DOA

**TECHNICIAN**

Braden Ainsworth

Robert Blind

LaRoy Wright

**CALL**

KK7OTB

KK7OTL

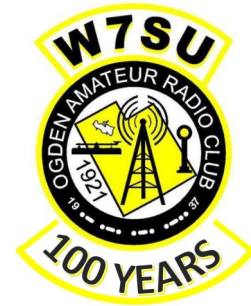
KK7OTM

### Next VE Test Session

1st Wednesday 07 February 2024 @ 6:00 PM

**A MESSAGE FROM OUR PRESIDENT**

## Craig's Corner



**Craig Howe W0VRM**

Craig's Corner November 2023

As you read this, my wife and I just returned from a great adventure to the Smokey Mountains. I missed being with all of you for the club auction and hope that you were able to find some treasures to enhance your ham life!!

This month (November 18<sup>th</sup>) I have prepared a special presentation for our club meeting. It will include recognition of our club legacy, a vision of our future, and an invitation to engage in service opportunities with our many partner organizations.

Please invite your friends, especially anyone who is curious to see what ham communication is all about.

Often when I'm out running errands and others see the antennas on my vehicle, the logo on my shirt, or my license plate I hear from them that they thought ham radio was a thing long past and gone.

We seem to be the best kept secret that ought not to be kept!!

We lose nothing and gain everything as new members join with us. We are in a unique position to teach, train, help license, and mentor all who desire.

There are many who are beginning to recognize the value and need for communications in emergency situations. Our opportunity is to help guide them to learn how to do it properly and usefully.

Thank-you each for your contributions to the club, the community, the hobby, and for enriching my life through your examples of service.

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](mailto:ad7gl@arrl.net)

Stan Sjol (W0KP), [stansjol@xmission.com](mailto:stansjol@xmission.com)

Kenny Pronschinske (KI7UFN), [kennypron@hotmail.com](mailto:kennypron@hotmail.com)



Larry Griffin

AD7GL



Stan Sjol

W0KP



Kenny Pronschinske

KI7UFN



## CLUB NEWS

### 10 Meter Net

Thursday Evenings at (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

**... New ...**

### **“YL” Ladies Only Net**

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

**70 cm Repeater - 448.775 MHz (neg offset, PL=123)**

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

**Net Control: Teresa (N4MBA)**



**Teresa Haymaker N4MBA**

## 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 Donation Auction**

**Date: 3rd Saturday, 21 October 2023**

**Time: 9:00 am**

**Location: Utah Military Academy**

**Thank you for supporting the OARC donation auction. This event funds the annual OARC Steak Fry held each August.**

**Yes, a FREE steak for each paid-up member.**

***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!**

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

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

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**ALSO**

**Check out the OARC Facebook page**

**"Ogden Amateur Radio Club"**

**NEXT CLUB MEETING/ACTIVITY**

# **CLUB NEWS**

## **Next Club Meeting/Event/Activity**

### **OARC in-person Meeting**

3rd Saturday 18 November 2023

9:00 AM @ Utah Military Academy

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**This will be our first meeting conducted by our newel elected president Craig Howe W0VRM. He has a lot of interesting things to discuss and propose for this upcoming year.**



**>>> Check website for details <<<**



**CLUB & HOBBY NEWS**

## **CLUB NEWS**

# **BULLETIN**

## **New ... "YL" Ladies Only Net**

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

**70 cm Repeater - 448.775 MHz (neg offset, PL=123)**

**Purpose is to promote the "YL" lady operators an opportunity to mingle together (without "OM" men operators bothering them - Hi Hi).**

**Net Control: Teresa (N4MBA)**

# Create an FCC CORES Account

The ARRL VEC provides instructions on how to create an account in the FCC's new Commission Registration System (CORES).

The FCC retired the legacy version of CORES on July 15, 2022, and they have been urging all users to transition to the updated CORES to take advantage of its enhanced security and functionality.

Individual licensees and club station licenses (see [www.arrl.org/club-call-signs](http://www.arrl.org/club-call-signs)) that do not already have an FCC CORES username account must create a new account linked to the license's FCC Registration Number (FRN). The account is mandatory for all who submit certain amateur-related applications.

As of April 2022, the FCC charges a \$35 fee for new, renewal, and modification applications that request a vanity call sign (see [www.arrl.org/vanity-call-signs](http://www.arrl.org/vanity-call-signs)). The fee is charged once per application. Administrative updates, such as a change of name, change of mailing or email address, modification applications to upgrade a licensee's operator class or to request a sequentially issued call sign, and clubs requesting a trustee change are exempt from fees.

For a short time, the FCC allowed applicants to pay via mail. The FCC will not accept paper payments after October 11, 2023 (90 days after the announcement's publication in the *Federal Register* on July 13, 2023). Going forward, applicants will need to use the new CORES system to pay application fees online.

### Setting Up Your New FCC CORES Username Account

If you haven't already created a CORES account, you must register a username (an email address) and a password. Visit the FCC CORES web page at <https://apps.fcc.gov/corets/userLogin.do> to set up your account. If you don't know the FRN, you may search for it on that web page. You will need the FRN for the next step. Club station licenses must also have a CORES username account with a unique username (a valid club email address) and password. Follow steps 2 – 6 in "How to Renew Your License Online" in the October 2023 issue of *QST* to finish setting up a new FCC CORES account (see Figure 1).

## How to Renew Your License Online

The ARRL VEC provides instructions on how to file an amateur radio license renewal application and make a payment via the FCC's new Commission Registration System (CORES).

Before you renew your license, you will need to create a new FCC CORES username account, and then link your FCC Registration Number (FRN) to your new account. As of April 2022, the FCC charges a \$35 fee to renew amateur radio licenses. You must create the new account to pay the fee. Follow the steps below to create a new CORES account, and then after you complete the license renewal application, the License Manager system will automatically direct you to the CORES system. Log in and pay the fee.

### Setting Up Your New FCC CORES Username Account

1 If you haven't already created a CORES account, you must register a username (your email address) and a password (see [a] and [b]). Visit the FCC CORES web page at <https://apps.fcc.gov/corets/userLogin.do> to set up your account. If you don't know your FRN, you may search for it on that web page (see [c]). You will need your FRN for the next step.



2 Log in to your new account and click the first option, ASSOCIATE USERNAME TO FRN.



3 Enter your FRN and comment. An example of a comment is "Associating FRN" (see [d]).

4 Click CONTINUE.

5 If you know the password for your FRN, enter it now. This password will likely be different from the one used for your username account. If you do not know your FRN password, click the CONTACT TECH SUPPORT link, which is next to the RESET YOUR PASSWORD option and underneath the SUBMIT button. Please do not try more than twice, as you will be locked out of your account after repeated failed attempts. You can also call the FCC at 877-480-3201 to have them reset your password for you.



63 October 2023

Figure 1 — A screenshot showing the first page of the ARRL VEC's article "How to Renew Your License Online," featured in the October 2023 issue of *QST*. Refer to this article for step-by-step instructions on setting up your CORES account.

To renew a license, update a license, add an email address or phone number to a license record, or apply for a call sign change, individuals may file online using the FCC License Manager System at <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp> with their FRN and password.

All club license transactions (except for new vanity call sign requests) must be handled by completing and submitting a 605-C club form to an FCC-approved Club Station Call Sign Administrator (CSCSA). The ARRL VEC is a CSCSA and can process club license

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requests. Clubs must file vanity call sign requests online using the FCC's License Manager System with the club's FRN and password.

After an application is processed, the license holder will receive an email from the FCC with a link to the official license, or in rare instances, an explanation for why the application was dismissed or denied. The license link will be valid for 30 days. Print out the license or download the PDF of the license.

Before applying for a vanity call sign, contact the FCC licensing customer support number at 877-480-3201 to check a call sign's validity and availability. Even if a call sign does not appear in the FCC database at <https://www.fcc.gov/ULS>, it may not be available for assignment. The FCC stated that the fee for applications that have been processed and dismissed is not refundable; this includes vanity requests in which the applicant does not receive the requested call sign.

Additional FCC Universal Licensing System registration and payment instructions are located on the FCC Registration Help web page at <https://apps.fcc.gov/cores/publicHome.do?help=true&csrfToken>.

Visit the ARRL FCC Application Fee web page at [www.arrl.org/fcc-application-fee](http://www.arrl.org/fcc-application-fee) for more information about the \$35 application fee.

Visit the ARRL Vanity Call Signs web page at [www.arrl.org/vanity-call-signs](http://www.arrl.org/vanity-call-signs) for detailed information about vanity call signs.

Visit the ARRL Club Call Signs web page at [www.arrl.org/club-call-signs](http://www.arrl.org/club-call-signs) for club station license instructions.

For assistance, call the FCC at 877-480-3201 on Monday – Friday at 8:00 AM – 6:00 PM ET. Submit a help request or reset your password on the FCC's Wireless Licensing Help Center web page at [www.fcc.gov/wtbhelp](http://www.fcc.gov/wtbhelp).

## A MESSAGE FROM OUR VICE PRESIDENT



Happy November, the month of gratitude.

I'm thankful for our club and the folks we interact with on a daily basis on the air and in meetings, etc. I'm thankful for improving band conditions, even if my house in Shadow Valley doesn't really hear much on 10 meters!

This is the month to get that last antenna project done, because once the roof gets frosty, it gets slick! We'll have what we have when the weather locks down the ground, etc.

I got the Alpha Delta put up, and maybe I'll have an amplifier for it soon. But a wise ham once told me, it doesn't matter how much power you put out there, if no one can hear you! True words.

Life doesn't really slow down in the Holiday season, but remember to spend time with those that mean the most to you and get on the air when the weather is so terrible, there's nothing to do outside, other than move snow around!

I'm excited for the Christmas party next month! We'll see everyone there.

de Justin Hall KB7LAK



## A MESSAGE FROM OUR PRESIDENT

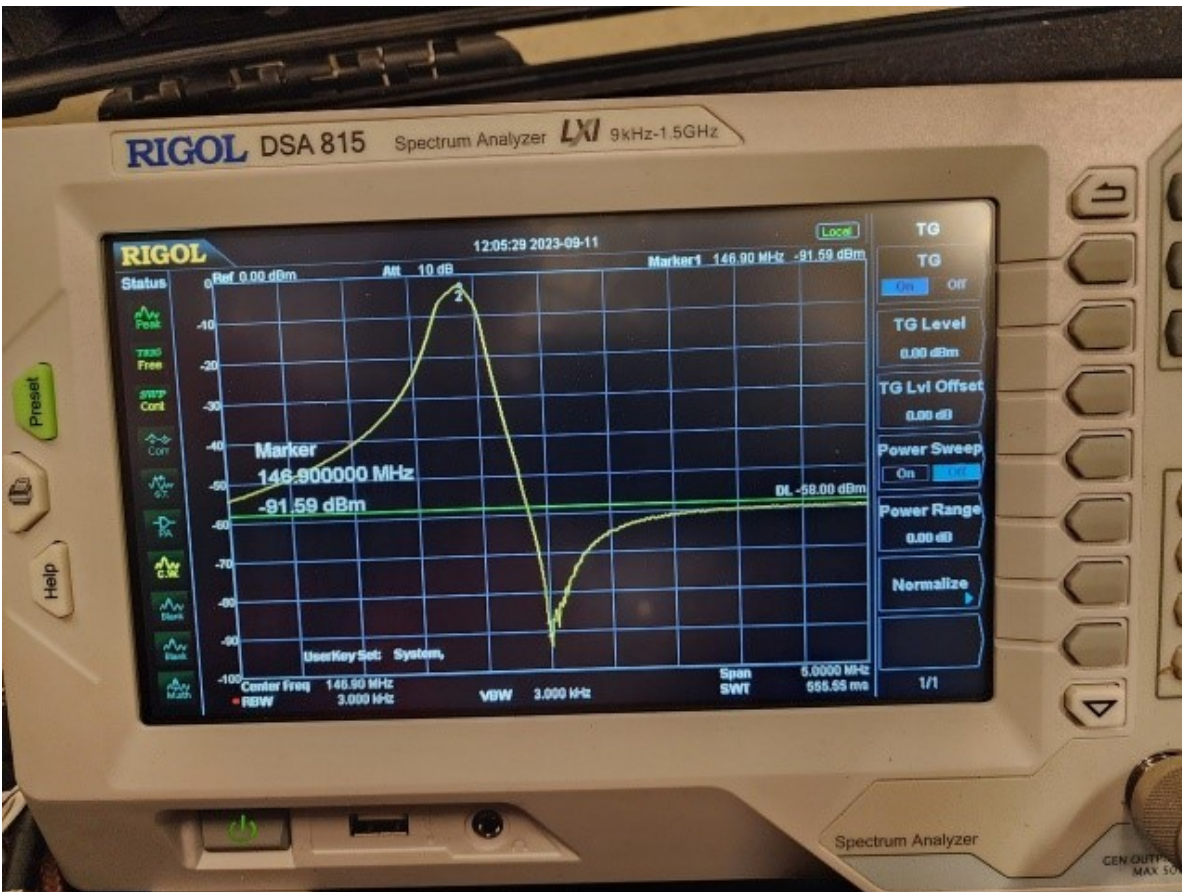
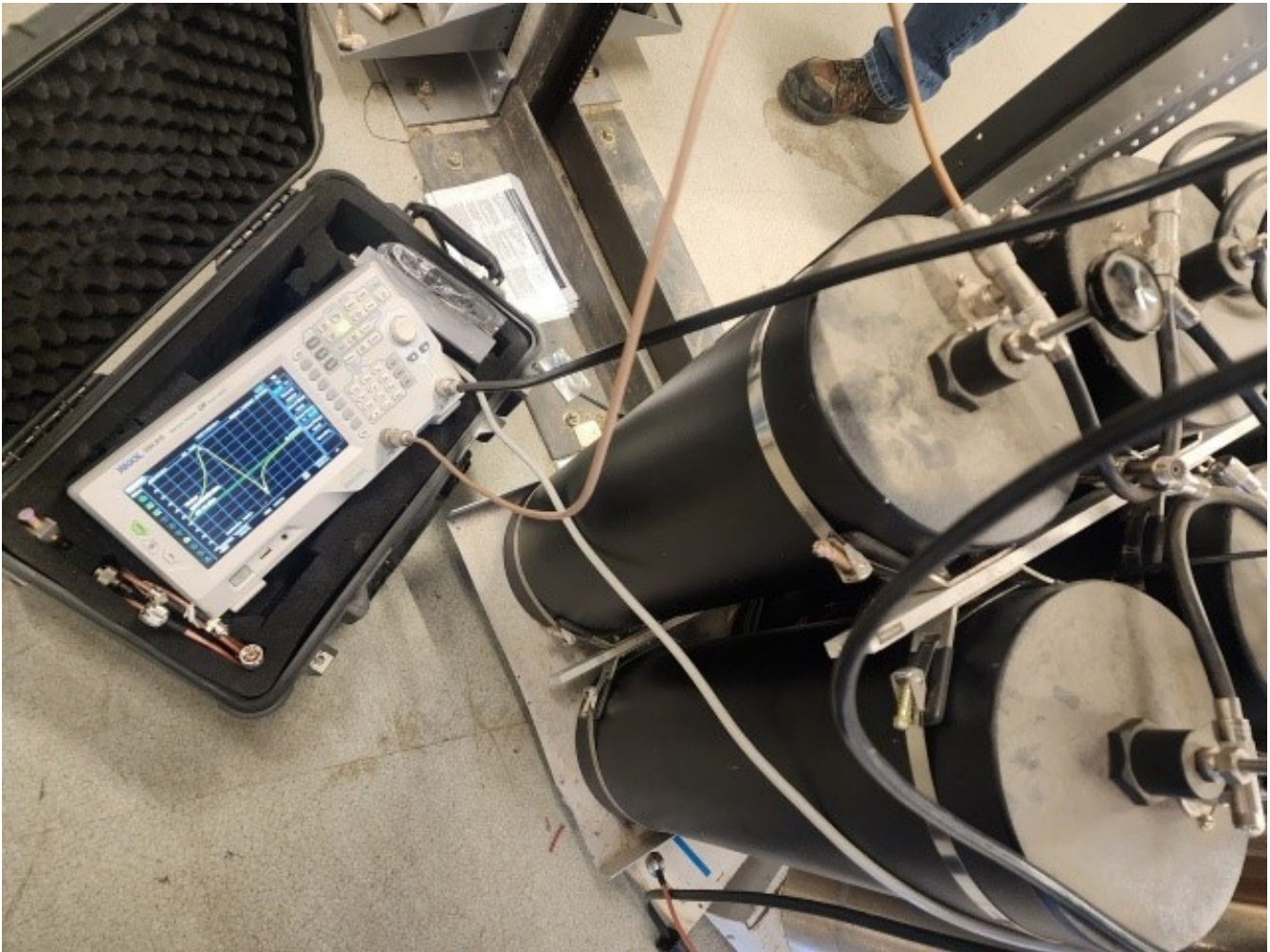


I recently made a visit to the Mt Ogden repeater site and took the following pictures that I would like to share with each of you. ENJOY!











## HOBBY NEWS

**Evan Day W0GOP** recently worked (cw) this expedition “T2C” on the pacific island of Tuvalu, a German DX - pedition. On their QRZ profile they cite a “DX Code of Conduct”. Evan wanted to share this with you.



Expedition to Funafuti

October 10-30, 2023

1. I will listen, and listen, and then listen again before calling.
2. I will only call if I can copy the DX station properly.
3. I will not trust the DX cluster and will be sure of the DX station's call sign before calling.
4. I will not interfere with the DX station nor anyone calling and will never tune up on the DX frequency or QSX slot.
5. I will wait for the DX station to end a contact before I call.
6. I will always send my full call sign.
7. I will call and then listen for a reasonable interval. I will not call continuously.
8. I will not transmit when the DX operator calls another call sign, not mine.
9. I will not transmit when the DX operator queries a call sign not like mine.
10. I will not transmit when the DX station requests geographic areas other than mine.
11. When the DX operator calls me, I will not repeat my call sign unless I think he has copied it incorrectly.
12. I will be thankful if and when I do make a contact.
13. I will respect my fellow hams and conduct myself so as to earn their respect.

## HOBBY NEWS

### ARRL Call to Action: FCC & 60 Meters

The FCC has issued a Notice of Proposed Rulemaking (NPRM) Docket Number 23-120 which would reduce power on 60 meters from 100 watts ERP (Effective Radiated Power) to the equivalent of 9.5 watts ERP. The NPRM would replace the current five channels (currently each with a 100-watt power limit) with a 15 KHz continuous spectrum from 5351.5 to 5366.5 KHz, but limiting power to the equivalent of 9.5 watts ERP. ARRL is proposing to keep the current five channels AND add the docket's proposed 15 KHz of continuous spectrum, all at a power level of 100 watts ERP.

It's important to note that in 2022 our neighbor, Canada, enacted ARRL's position by keeping the five current channels AND adding the expanded 15 KHz of continuous spectrum, all at 100 watts. ARRL is advocating for the FCC to adopt the identical allocations and power limits which Canada put in place over a year ago.

When the FCC authorized 60-meter access for Amateur Radio operators in July 2003, the Commission cited the positive propagation attributes for emergency communications. Over the past twenty years during hurricanes, Caribbean Amateur Radio stations used 60 meters to relay critical weather and situational reports to U.S. operators. Clearly, 9.5 watts ERP would be woefully inadequate to maintain communications for these purposes.

In the May 2023 ARRL survey, members overwhelmingly pointed to Spectrum Defense as the #1 priority of the League. The Rocky Mountain Division takes this priority seriously. For the maximum impact, the FCC needs to hear from ARRL members to underscore the importance of 60 meters.

Having a consistent bandplan with Canada will also ensure harmonious communications throughout most of North America.

PLEASE support the ARRL's filing in this matter.

To learn more about the NPRM and its impact on our 60-meter privileges, please visit <https://www.arrl.org/60-meter-band>. On this webpage you will find the links to file comments with the FCC. Please don't delay. A substantial response from the Ham community before the October 30 deadline is the only way to forestall the loss of our valued operating privileges. Please urge your fellow Hams to file comments as well. Protection of our Amateur Radio spectrum is our number one priority.

---

ARRL Rocky Mountain Division  
Director: Jeff Ryan, KORM  
[kOrm@arrl.org](mailto:kOrm@arrl.org)

## **CLUB NEWS**

### **Ham Shack Photos**

**STILL WANTED—STILL NEEDED**

**Send me your Ham Shack Photos soon!**

**Submit to: [k7hcp@arrl.net](mailto:k7hcp@arrl.net) or [w7su@arrl.net](mailto:w7su@arrl.net) or 801.389.0690**

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# CLUB NEWS

## Unique QSL Cards

STILL WANTED—STILL NEEDED

Send me your QSL Card Photos soon!

Submit to: [k7hcp@arrl.net](mailto:k7hcp@arrl.net) or [w7su@arrl.net](mailto:w7su@arrl.net) or 801.389.0690

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**CONTRIBUTING EDITOR SUBMISSIONS**

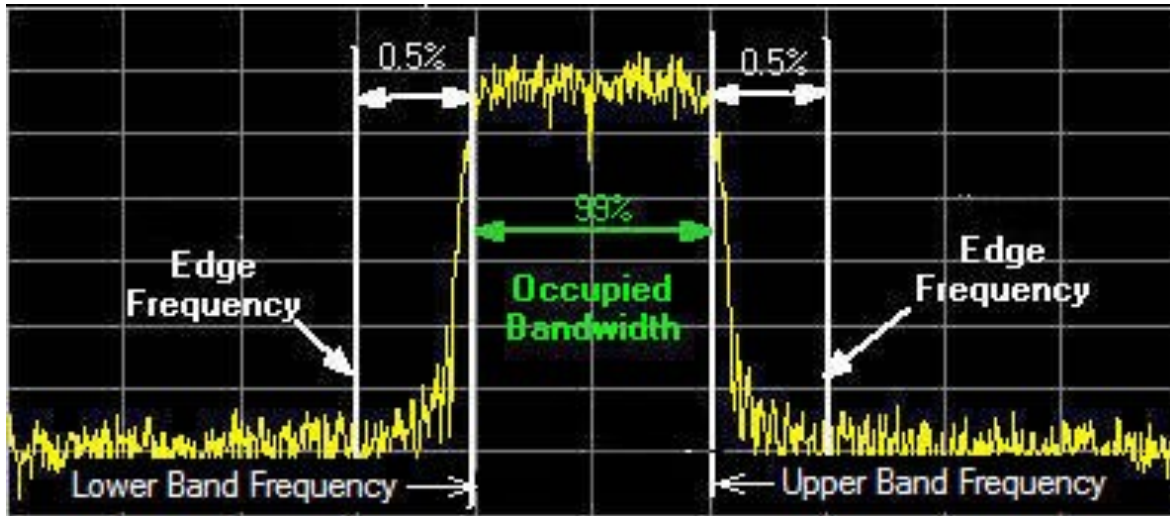
# GUEST CONTRIBUTION

Rick Hansen N7EGA



## Adios Symbol Rate Limit

Posted on [29 October 2023](#) by [Bob K0NR](#)



The FCC will be voting on and will likely approve a [Report and Order](#) that eliminates the symbol rate restriction on HF data transmissions, replacing it with a bandwidth limit of 2.8 kHz. See [FCC To Vote on Removing Symbol Rate Restrictions](#). The symbol rate limit of 300-baud is an obsolete way of limiting the signal bandwidth, created back when the data transmissions were predominately [Frequency Shift Keying](#) (FSK). It was a simple, practical way to regulate the bandwidth at that time but technology has moved on. The use of digital signal processing and efficient wireless encoding techniques require a better approach to bandwidth regulation.

A practical impact of this change is to allow higher speed protocols such as [PACTOR-4](#) having a bandwidth of 2.4 kHz. I suspect we will see other protocols emerge that squeeze the best data rate out of the 2.8 kHz bandwidth.

### Living in a Narrowband World

The FCC proposal implements a 2.8 kHz bandwidth limit on data emissions on the HF bands. Some folks have suggested a narrower bandwidth while others argue that wider bandwidth signals should be allowed. And some even think we should have no bandwidth limit at all.

The problem is that the amateur HF bands are not very wide. For example, the popular 20m band is 14.0 to 14.350 MHz, providing only 350 kHz of spectrum. Common practice on this and the other HF bands is to use modulation types that have bandwidths of 3 kHz or less. (Yeah, AM signals are twice that wide, at 6 kHz, a topic for another day.) Of course, CW and some of the data modes are much narrower than 3 kHz. But the general approach to regulating HF is to allow many narrowband signals on the band. Limiting HF data transmissions to 2.8 kHz bandwidth is consistent with existing practice while still allowing for innovation and experimentation.



## VHF/UHF Bandwidth Limits

The FCC also plans to issue a Further Notice of Proposed Rulemaking (FNPR) that:

Proposes to remove the baud rate limitation in the 2200 meter and 630 meter bands, which the Commission allocated for amateur radio use after it released the Notice of Proposed Rulemaking in 2016.

Proposes to remove the baud rate limitation in the VHF and UHF bands.

Seeks comment on the appropriate bandwidth limitation for the 2200 meter band, the 630 meter band, and the VHF/UHF bands.

I won't comment on the 2200 meter and 630 meter bands. The FCC proposes to remove the symbol rate limit on the VHF and UHF bands and asks what bandwidth limit is appropriate. The current bandwidth limits are 20 kHz for the 6m and 2m bands, 100 kHz for the 1.25m and 70 cm bands, and the FCC seems fine leaving these the same. Authorized emission types are listed in [FCC Part 97.305](#).

With 4 MHz of spectrum, the 2m band is much wider than any of the HF bands. It might be tempting to conclude that there is plenty of room for wideband signals on this band. Many hams think 2 meters is just used for FM simplex and repeaters but a closer look reveals that it supports many diverse modes: weak-signal SSB/CW, meteor scatter, EME, FM simplex, FM repeaters, digital voice modes (D-STAR, DMR, Fusion), satellites, and more. The 20-kHz limit seems appropriate, as it roughly matches the bandwidth of the most common (FM) voice signals on that band. It is not an appropriate band for trying out wider bandwidth signals.

The 6m band should probably keep the same 20-kHz limit. (I don't think there is a compelling reason to change it.) The 1.25m band already allows 100-kHz bandwidth data signals, which some radio amateurs have used for higher-speed data links (still not what I would call wideband).

The 70 cm band is much bigger (420 MHz to 450 MHz) and could accommodate some wider bandwidth signals. Perhaps the existing 100-kHz limit should be increased? Keep in mind that fast-scan ATV is allowed on this band with a bandwidth of 6 MHz. Maybe we can make some room for a few larger bandwidth data channels, to encourage innovation and experimentation.

The bands above 70 cm have no bandwidth limit other than the signal must stay within the designated ham band. It has been this way for a long time, without causing any issues (that I know of).

### Conclusion

The FCC's proposal makes a lot of sense and it is long overdue. Frankly, it is a bit of an embarrassment that it has taken so long. Better late than never. 73 Bob KONR

Submitted by Rick Hansen N7EGA

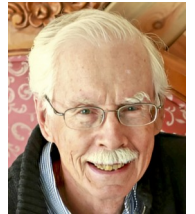
Saw this on the interweb. Interesting how they want to get rid of 300 baud!

BTW: I remember when I got a 1200 baud modem .... I thought I had the world of data on my doorstep!

It was a 2 cup for the receiver model!

# GUEST CONTRIBUTION

By Dave Sanders K7RGY



## Antique Wireless Museum

Antique Wireless Museum in Bloomfield, NY. Operated by the Antique Wireless Association (AWA)

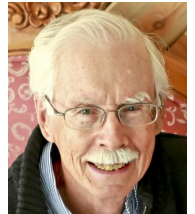
**This is awesome. Check it out.**

[https://www.youtube.com/watch?v=VkVz1BMLy0A&list=PLG3rF2hIjmVHS1qP8OnAZ08K\\_HHA0F0s-&index=9](https://www.youtube.com/watch?v=VkVz1BMLy0A&list=PLG3rF2hIjmVHS1qP8OnAZ08K_HHA0F0s-&index=9)

[https://www.youtube.com/watch?v=5c\\_UzTf3XF0&t=213s](https://www.youtube.com/watch?v=5c_UzTf3XF0&t=213s)

## GUEST CONTRIBUTION

By Dave Sanders K7RGY



### Radio Controlled Clocks (RCC)

A very informative article on the various RCC's made throughout the years. Also good explanation on the time code format being used by WWVB.

73 Dave K7RGY

**This is very lengthy however very interesting.**

History of [Radio Controlled Clocks](#) >>>> (WWVB)

# GUEST CONTRIBUTION

By KB6NU



## Updating the Amateur's Code

Hey, everyone....

There have been several versions of the Amateur's Code since it was written by Paul M. Segal, W9EEA, in 1928. Well, I am now part of a group that is updating the IARU document, *Ethics and Operating Procedures for the Radio Amateur*, and one of our tasks is to make the text more gender-neutral. Since the Amateur's Code is part of that document, we'll be updating that, too. As you'll see by reading this column, it's not as easy as it sounds.

document follows ....

73, Dan KB6NU

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# Updating the Amateur's Code

by Dan Romanchik, KB6NU

There have been several versions of the Amateur's Code since it was written by Paul M. Segal, W9EEA, in 1928. Here's the version that currently appears in *Ethics and Operating Procedures for the Radio Amateur, Edition 3, June 2009*:

The Radio Amateur is

**CONSIDERATE...** He never knowingly operates in such a way as to lessen the pleasure of others.

**LOYAL...** He offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his/[her] country, through which Amateur Radio in his country is represented nationally and internationally.

**PROGRESSIVE...** He keeps his station up to date. It is well-built and efficient. His operating practice is above reproach.

**FRIENDLY...** He operates slowly and patiently when requested; offers friendly advice and counsel to beginners; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.

**BALANCED...** Radio is a hobby, never interfering with duties owed to family, job, school or community.

**PATRIOTIC...** His/[Her] station and skills are always ready for service to country and community.

Well, now the IARU is updating *Ethics and Operating Procedures for the Radio Amateur*, and I'm part of the group that's working on the update. One of our tasks is to make the text more gender-neutral. The ARRL has a somewhat gender-neutral version of the Code, but really all they did was to replace "he" with "he/she."

That being the case, I've taken it upon myself to create not only a gender-neutral version of the Code, but to also clarify some of the language. Here's what I've come up with so far:

The Radio Amateur is

**CONSIDERATE...** The radio amateur never knowingly operates in such a way as to lessen the pleasure of others.

**LOYAL...** The radio amateur is loyal to and supportive of other amateurs, local clubs, and the IARU Radio Society in their country.

**PROGRESSIVE...** The radio amateur's station up to date, well-built, and efficient. Their operating practice is above reproach.

**FRIENDLY...** The radio amateur operates slowly and patiently when requested and offers friendly advice and counsel to beginners. They are also cooperative and considerate of the interests of others.

**BALANCED...** Radio amateurs realize that radio is a hobby and never allow it to interfere with their duties owed to family, job, school, or community.

**PATRIOTIC...** The radio amateur's station and skills are always ready for service to country and community.

Not only do I think that my version is clearer, I think that it is more parallel than the previous version.

I posted this to my blog and got some great feedback from my followers on LinkedIn and Mastodon. For example, Jesse, WB2IFS, pointed me to his version of the Code, which he published on his blog in September 2022. I particular like his rendition of "progressive:"

**PROGRESSIVE...**An Amateur is curious. An Amateur is enthusiastically and continuously learning new techniques, technologies, countries, and cultures with the understanding that everyone is an Amateur.

I got quite a few comments on Mastodon. Several folks wanted me to reconsider the use of the term "patriotic." Christopher, M0YNG, said, "I'm not a massive fan of "patriotic" and wonder if it could be more "humanity focused" rather than country[-focused]? Not sure on the words though." Javid, KE8DET, opined, "Patriotic is often conflated with, and co-opted by nationalism, which contains an inherent aspect of 'my country first.' This sits in opposition to amateur radio being a means to foster international good will."

Andreas, DJ3EI, had a number of comments, but this one I found to be the most appealing. He says, "The old Code requires 'operating practice ... [to be] above reproach.' I highly recommend [a change] to 'always be eager to try something new.' You'll enjoy! I certainly do! Learning+studying is one of the official goals of our hobby! Thus, we may become beginners on a regular basis, bound to make beginner's mistakes. An 'above reproach' angst only hinders."

Sam, N9MII, says, "Perhaps focus on safe and well-considered operation? As in something that doesn't spike all over the band and whatnot." I think that safety is something the the Code is surely missing.

Onno, VK6FLAB, also weighed in. In his version of the Code, he changes the word "patriotic" to "supportive." He writes, "The Radio Amateur is SUPPORTIVE...knowledge, station and skills always ready for service to country and community." I'm not sure that's quite the right word, either, but the idea is that the radio amateur is ready to pitch in when needed.

As you can see, there's still some work to be done here. If you have any comments on this, please feel free to email me directly or to add a comment on my blog.

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Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog ([KB6NU.Com](http://KB6NU.Com)), the "No Nonsense" amateur radio license study guides (<https://KB6NU.Com/study-guides/>), and often appears on the ICQPodcast (<https://icqpodcast.com>). When he's not writing about amateur radio, he tinkers with electronics projects and operates POTA and works CW on the HF bands.

# **GUEST CONTRIBUTION**

## **WANTED**

**Contributing Editor submissions always welcomed!**





## FCC To Vote on Removing Symbol Rate Restrictions

10/27/2023

[ARRL The National Association for Amateur Radio®](#) welcomes news of a scheduled vote by the Federal Communications Commission (FCC) to [consider removing symbol rate restrictions](#) that restrict digital modes, foster inefficient spectrum use, and dampen incentives for innovation.

In the draft Commission decision, the FCC would replace the current HF restrictions with a 2.8 kHz bandwidth limit. The Commission also announced that it will consider a Further Notice in which it will propose eliminating similar restrictions where they apply in other bands and consider relying on signal bandwidth limits. If both actions are adopted by the Commission, there will be a period for public comment on the Further Notice issues.

In announcing the proposed Commission actions, FCC Chairwoman Jessica Rosenworcel said that "We're bolstering amateur radio. We will vote on a proposal to incentivize innovation and experimentation in the amateur radio bands by removing outdated restrictions and providing licensees with the flexibility to use modern digital emissions."

ARRL requested and strongly supports replacing the symbol rate limits on the HF bands with a 2.8 kHz bandwidth limit. ARRL also supports eliminating the symbol rate limits in favor of the already-existing bandwidth limits where they apply on the VHF and UHF bands and eliminating the similar limits 2200 and 630-meter bands.

ARRL Director of Emergency Management Josh Johnston, KE5MHV, said the changes will result in a tremendous time savings during disasters, when every second counts. "We will be very pleased to have the FCC remove the restrictions on symbol rate for the amateur bands. This will eliminate the need for temporary waivers during an event and provide the ability to train and exercise using the higher symbol rate, allowing increased data capability to our served agencies and partners."

[Congresswoman Debbie Lesko \(AZ-08\) introduced \*The Amateur Radio Communications Improvement Act \(H.R. 3241\)\* on May 11, 2023](#), to require that the FCC eliminate the obsolete HF digital symbol rate limit with a 2.8 kHz bandwidth limit.

The Congresswoman subsequently addressed the issue with Chairwoman Rosenworcel in a Congressional oversight hearing. The changes are supported by many state emergency management officials.

ARRL will continue to engage on this matter.



## ARRL Urges Comments to FCC on 60-Meter Band

Updated 10/30/23

The FCC has extended the public comment period until 11/28/23 with replies to comments due 12/28/23.

[ARRL The National Association for Amateur Radio](#)<sup>®</sup> is asking that all radio amateurs urge the Federal Communications Commission (FCC) to continue the existing use of the 60-meter band. A public comment period is open until November 28, 2023. Replies to comments are due December 28, 2023. ARRL encourages expressions of support to the FCC for the current 100 W ERP power limit (instead of reducing the power limit to 15 W EIRP) and continuing secondary access to the current channels.

### Some of the main points to comment on for this NPRM are:

- Urging the FCC to keep the four existing channels allocated to amateur radio on a secondary basis.
- Urging the FCC to keep the 100 W power limit for the four existing channels and the new 15 kHz subband.

ARRL Public Relations and Outreach Manager Sierra Harrop, W5DX, underscored the importance of commenting, urging members to speak up. “ARRL members make up the strongest voice in matters of amateur radio spectrum defense,” said Harrop. “Your membership and participation in the rulemaking process both ensure ARRL continues to make the difference when our band privileges are threatened. Please join us in effort to protect our 60-meter band privileges.”

[Donate to the ARRL Spectrum Defense Fund: www.arrl.org/donate.](http://www.arrl.org/donate)

### Read more:

[Comment Deadlines Set on Proposed 60-Meter Band Changes](#)

ARRL News | 10/04/2023

[ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band](#)

ARRL News | 04/28/2023

[World Radiocommunication Conference Approves Global 60-Meter Allocation](#)

ARRL News | 11/18/2015

### About Amateur Radio and ARRL

Amateur Radio Service licensees use their training, skills, and equipment to practice radio communications and develop radio technology. Amateur Radio Operators volunteer their qualifications and equipment for communications duty in public service and during emergencies. Amateur Radio also provides a basis for hands-on STEM education and pathways to careers.

[ARRL The National Association for Amateur Radio](#)<sup>®</sup> was founded in 1914 as The American Radio Relay League, and is a noncommercial organization of Radio Amateurs. ARRL numbers within its ranks the vast majority of active Radio Amateurs (or “hams”) in the US and has a proud history of achievement as the standard-bearer in promoting and protecting Amateur Radio. For more information about ARRL and Amateur Radio, visit [www.arrl.org](http://www.arrl.org).

## O'bay Swap

**SWAP ITEM # 249**

**FOR SALE: YAESU FT-897**

Yaesu FT-897 HF -VHF-UHF transceiver system, FT-897 Transceiver with two filters and the Temperature compensated crystal oscillator.

The Yaesu FP-30 internal power supply is also included

Also included is an Yaesu ATAS -100 multiband antenna.  
This antenna when used with this radio is self tuning across the HF bands.

Also included is the battery bracket and cable which with the power supply removed covers that area where are the batteries to make the unit portable.

Also included are two 6.4 amp hour lithium (LiFePO4) batteries to power the radio when portable.

Also included is an external FT meter which displays the radio readings on an easily readable external larger meter.

Asking \$1500 for the total system.  
Byron NJ7J

[NJ7Jmail@gmail.com](mailto:NJ7Jmail@gmail.com)  
Phone 801 643-0133

[More Photos](#)



# 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.

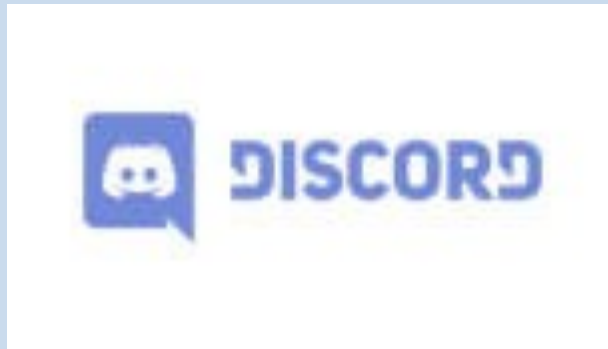
The cost is **\$17.00** each. The badge comes with a “MAGNETIC” clip. Badge includes your Call Sign in large letters and your First Name in a somewhat smaller font in white lettering on a pitch black background with the club logo. See example below.



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

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

## OARC Discord Page



**Did you know that OARC has a Discord page ?**

**What is a Discord Page you ask?**

**It is OARC's new discussion group site.**

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

## OARC Facebook Page



**Did you know that OARC has a Facebook page ?**

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

## OARC You Tube Channel



### **Did you know that OARC has a You Tube Channel ?**

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

**It's easy to view missed**



**meetings...**

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



## ANNOUNCEMENTS

### Next Club Meeting:

**3<sup>rd</sup> Saturday of each Month**

The Ogden Amateur Radio Club meetings are usually held on the **3<sup>rd</sup> Saturday** of each month.

### Meeting/Activity:

**See monthly notices earlier in this newsletter.**

Talk-in: - 448.600 (pl 123.0)

Check OARC web site for details

**[www.ogdenarc.org](http://www.ogdenarc.org)**

Please invite a friend to join you. You do not have to be a member of the club to participate in our club meetings or activities. We invite all to join us.

If anyone is interested in doing a presentation on something or just have something unique to show at the meetings. - Please get a hold of any of the officers and let us know.

### Next Weber Co VE Test Session:

**1st Wednesday Feb, Jun & Oct**

Exam sessions are held in Ogden every few months, **usually** the first Wednesday in February, June, and October.

**Time: 06:00 PM** *Walk-ins allowed*

**Location: Permanent location**

**Utah Military Academy  
5120 S 1050 W  
Riverdale UT 84405**

**Contact: VE Liaison:**

**Rick Morrison W7RIK** (Liaison)

**[morrisonri@msn.com](mailto: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
<b>OgdenARC</b>	<a href="http://ogdenarc.org">ogdenarc.org</a>	<b>3<sup>rd</sup> Saturday 09:00 am</b>	<b>Check OARC web site ...</b>
WC Sheriff Comm-O		1 <sup>st</sup> Saturday 10:00 am	Weber Co. Sheriff Complex West 12 <sup>th</sup> Street Ogden Utah
Barc	<a href="http://barconline.org">barconline.org</a>	2 <sup>nd</sup> Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSErg	<a href="http://dcarc.net/ares.htm/">dcarc.net /ares.htm/</a>	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	<a href="http://dcarc.net">dcarc.net</a>	2 <sup>nd</sup> Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	<a href="http://home.comcast.net/~noutares/">home.comcast.net/ ~noutares/</a>	3 <sup>rd</sup> Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	<a href="http://xmission.com/~uarc/">xmission.com /~uarc/</a>	1 <sup>st</sup> Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
UVarc	<a href="https://uvarc.club">https://uvarc.club</a>	1 <sup>st</sup> Thursday 6:30 pm	Orem City Council Chamber Room 56 North State St. Orem Utah
GSarc	<a href="http://Ubetarc.org">Ubetarc.org</a>	Check Website	Check Website
Utah DX Association	<a href="http://udxa.org">udxa.org</a>	3 <sup>rd</sup> Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	<a href="http://ussc.com/~uvhfs/">ussc.com /~uvhfs/</a>	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	<a href="http://westdesertarc.org/">westdesertarc.org/</a>	1 <sup>st</sup> Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	<a href="https://groups.google.com/forum/#!forum/wsuarc">https://groups.google.com/forum/#! forum/wsuarc</a>	3 <sup>rd</sup> Thursday 5:30 pm	WSU Blding #4 Room ? Ogden Utah

# Club Web Site

Be sure to visit our club web site.

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

Club membership is open to anyone interested in Amateur Radio. You do not need an amateur license to join us. Dues are used to operate the club, field day activities, and repeat-er equipment maintenance.

# Club Call Sign

Listen to the club repeaters for this very familiar CW ID. You do know Morse Code don't you?

**W7SU**

# OARC is 100 years old

OARC was established in May 1921 and became ARRL affiliated in 1937.

<b>OARC REPEATERS</b>			
(*) Yaesu Fusion digital/FM compatible			
<b>FREQ</b>	<b>CLUB</b>	<b>TONE</b>	<b>LOCATION</b>
<b>146.900-</b>	<b>OARC (*)</b>	<b>125 DCS</b>	<b>Mt Ogden (w/WiresX)</b>
<b>448.600-</b>	<b>OARC (*) "talk-in"</b>	<b>123.0</b>	<b>Mt Ogden</b>
<b>146.820-</b>	<b>OARC (*)</b>	<b>123.0</b>	<b>Marriott UT</b>
<b>448.575-</b>	<b>OARC</b>	<b>100.0</b>	<b>Marriott UT (no autopatch)</b>

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 <b>HF LSB</b>
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz <b>HF CW</b>
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz <b>HF LSB</b>
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz <b>HF LSB</b>
Sunday @ 7:15 PM	Weber/Davis ERC	146.820 - 123.0 (ERC training net)
Sunday @ 7:30 PM	GS ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.100 +123.0
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Monday @ 9:00 PM	2-meter SSB net	144.250 Mhz <b>2-meter USB</b>
<b>Tuesday @ 6:30 PM</b>	<b>OARC—Ham &amp; Eggs Net</b>	<b>448.600 -123.0</b>
<b>Tuesday @ 8:00 PM</b>	<b>Weber ARES</b>	<b>448.600 - 123.0</b>
Tuesday @ 8:00 PM	DCARC TECH Net	147.040 + 123.0
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 7:00 PM	Am-Con Northern Utah	448.600 -123.0
Wednesday @ 8:00 PM	GS ARC	145.290-, 145.430-, 448.300- (all 123.0)
Wednesday @ 8:30 PM	CSEGR	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz <b>HF USB</b>
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz <b>6-meter USB</b>
<b>Thursday @ 6:30 PM</b>	<b>OARC - 10 Meter Net</b>	<b>28.375 MHz USB (all hams invited)</b>
Thursday @ 7:30 PM	Davis Co ARES	147.420 = simplex & 449.925 -100.0
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM (3rd Thurs)	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mt (3rd Sat)	RACES State HF	3.920 Mhz <b>HF LSB</b>
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz <b>HF LSB</b>

**73 de W7SU**

**[www.OgdenARC.org](http://www.OgdenARC.org)**

**w7su@arrl.net**

**PO Box 3353 Ogden UT 84409**