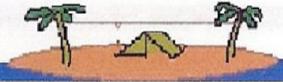




# WATTS NEWS



**The Best of Amateur Radio**

## OARC e-Magazine

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

**JANUARY 2018**

Next Club Meeting/Activity

**Riverdale Fire Station**



Jason Miles KE7IET  
President



Mike Taylor KE7NQH  
Vice President



Ceva Cottrell KE7IEV  
Secretary



Jerry Cottrell KG7IGW  
Treasurer



Gil Leonard NG7IL  
Program Director



Dave Mamanakis KD7GR  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

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## **PREVIOUS CLUB MEETING/ACTIVITY**

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**December Activity**

**3rd Saturday 16 December 2017**

**5:00 pm**

**Golden Corral—Ogden**

**OARC Christmas Family Dinner**

**\$300 in door prizes**

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## **NEXT CLUB MEETING/ACTIVITY**

**January Meeting**

**3rd Saturday 20 January 2018**

**9:00 am**

**Riverdale Fire Station**

**Steve Snow KE7WYU .. ARES**

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## PREVIOUS MEETINGS PICS

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Club Photographer ... Rick Hansen N7EGA



More pics at <http://ogdenarc.org/fdinner2017>













More pics at <http://ogdenarc.org/fdinner2017>

## From the Shack of KE7IET



### Jason Miles KE7IET

As we complete another holiday season, I'm reminded of an episode of the sitcom *Last Man Standing*. To escape the stress of a family party, Tim Allen's character, Mike Baxter, goes into his ham shack. He causes a pileup on the radio when he asks how many others were also escaping their families. This season, most of the family parties we attended were held away from our home, so I didn't have that option. My wife would have been justifiably annoyed if I had tried that trick anyway. I hope the season treated you well.

This month, I wanted to provide a list of some of the free radio-related literature I've found on the internet. Unfortunately, I can't guarantee that all of it has been posted legally, so consult your attorney if you're concerned. (Or skip the legal fees and skip the literature if you're concerned.) Additionally, you'll have to evaluate the quality of each resource yourself. By listing them here, I'm simply telling you that they exist. I'm not endorsing them.

Following are scanned archives of print magazines:

73 Magazine/Amateur Radio Today: <https://archive.org/details/73-magazine>

RCA Ham Tips: [http://n4trb.com/AmateurRadio/RCA\\_Ham\\_Tips/rca\\_ham\\_tips.htm](http://n4trb.com/AmateurRadio/RCA_Ham_Tips/rca_ham_tips.htm)

GE Ham News: [http://n4trb.com/AmateurRadio/GE\\_HamNews/ge\\_ham\\_news.htm](http://n4trb.com/AmateurRadio/GE_HamNews/ge_ham_news.htm)

Popular Electronics: <http://www.americanradiohistory.com/Popular-Electronics-Guide.htm>

Radio Constructor: [http://www.americanradiohistory.com/Radio\\_Constructor\\_Magazine.htm](http://www.americanradiohistory.com/Radio_Constructor_Magazine.htm)

Ham Radio Horizons: <https://archive.org/details/hamradiohorizons>

World Radio Online, HamMag, and Flying Pigs QRP: <http://www.n5dux.com/ham/pubs/>

HamBrew Magazine: <http://www.arrowantennas.com/sub/hambrew.html>

QRPP Magazine: <http://www.ncqrpp.org/>

Morsum Magnificat: <http://www.n7cfo.com/tgph/Dwnlds/mm/mm.htm>

The Wireless World Magazine: [http://www.americanradiohistory.com/Wireless\\_World\\_Magazine.htm](http://www.americanradiohistory.com/Wireless_World_Magazine.htm)

Following are publications from national amateur radio organizations around the world. Please note that they may contain content in other languages.

Dutch Kingdom Amateur Radio Society: [http://www.dkars.nl/index.php?page=magazine\\_uk](http://www.dkars.nl/index.php?page=magazine_uk)

(Please note that some articles are written in English.)

WIA Amateur Radio Magazine: <http://armag.vk6uu.id.au/index.html>

Selections from ARRL publications: <https://www.google.com/search?q=site:arrl.org+filetype:pdf>

(While this search technically isn't a curated archive, it shows the volume of content the ARRL provides to all for free, regardless of membership status.)

Radioaficionados Magazine: [http://www.ure.es/component/docman/cat\\_view/110-revistas/156-.html?orderby=dmdate\\_published](http://www.ure.es/component/docman/cat_view/110-revistas/156-.html?orderby=dmdate_published)

Following are magazines and newsletters that may still be in publication and are distributed online:

AntenTOP: <http://antentop.org/>

Hot Iron: <http://walfords.net/ordering.htm>

(Scroll down to the section "Hot Iron and the Construction Club" for instructions. I believe the e-mail address to request the newsletter is [electronics@walfords.net](mailto:electronics@walfords.net).)

CQ-DATV: <http://www.cq-datv.mobi/>

North American QRP CW Club Newsletter: <http://naqcc.info/newsletter.html>

QRP Quarterly: <http://www.qrparci.org/qqsample/qqsample.pdf>

(QRP Quarterly is technically available only to members, but the QRP ARCI makes one issue available online as a sample. If you are interested in subscribing, go to <http://www.qrparci.org/join-renew>.)

ARRL Radio Waves Magazine: <http://www.arrl.org/radio-waves>

Here are a couple of books from the US military:

*Military Communications: A Test for Technology*: <https://history.army.mil/html/books/091/91-12/index.html>

*Radio Operators Handbook*: <http://www.trngcmd.marines.mil/Portals/207/Docs/TBS/MCRP%203-40.3B%20Radio%20Operators%20Handbook.pdf>

Finally, there is the Boat Anchor Manual Archive (BAMA): <http://bama.edebris.com/manuals/>. If you have older equipment, but you don't have the manual, you might be able to find the manual here. Please note that Heathkit manuals are not available at BAMA. There is a company that still owns and enforces the copyright to Heathkit manuals. Reprints are sold at <https://shop.heathkit.com/>.

By the way, if you are an ARRL member, you have access to the entire QST archive at <http://www.arrl.org/qst>. Issues since January 2012 are available via a web-based viewer. Issues prior to that are available as PDFs of individual articles. Technically, this material isn't free because you must be an ARRL member to access it. However, many of us are members already.

On a different subject, I wanted to report some progress on learning Morse code. Unfortunately, I passed up a good opportunity to work my first CW contacts over New Year's weekend. The ARRL sponsors Straight Key Night on December 31<sup>st</sup> and January 1<sup>st</sup> every year. I listened briefly, and I heard some stations that were sending at just the right speed for me. I should have called back, but I didn't make time for it.

On a recent Ham & Eggs Net, I mentioned my latest study technique for Morse code. There are podcasts available at <http://www.morseresource.com/podcasts.php> that contain quotes of the day sent at different CW speeds. I have to exercise regularly to keep the diabetes prescription away, and I include this podcast in my exercise playlist. I've noticed something about this technique. I exercise by riding my bike, and I can't write things down while riding. Listening to Morse code while riding is forcing me to copy in my head, which is a good skill to learn. I can't say that I'm very good at it yet, but I'm slowly getting better.

73 de Jason Miles KE7IET



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## OARC COMING EVENTS

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### **OARC Tech License Class**

**Class each Wednesdays  
In January 2018**

**6:00—8:00 PM**

**Weber County Sheriff's Office Training Room**

### **Next VE Test Session**

**1st Wednesday  
07 February 2018  
6:00 PM**

## Next OARC Tech License Class

**Class each Wednesdays in January 2018 @ 6:00 PM**

Are you interested in emergency, public service, or off-the-grid communications? Do you want to add wireless functionality to your maker project? Do you like talking to people around the world? Join the world of ham radio!

The Ogden Amateur Radio Club is offering a free ham radio license class during the month of January, 2018. The class will cover the requirements for the technician (entry-level) amateur radio license exam.

Following are the details:

**Dates: Wednesdays - January 3, 10, 17, 24, and 31, 2018**

**Time: 6 p.m. to 8 p.m. with time before and after class for questions and socializing**

**Location:**

**Weber County Sheriff's Office Training Room**

**721 West 12th Street**

**Ogden, Utah 84404**

**Price: The class is free, but students should purchase a manual.**

**Manual: HamRadioSchool.com Technician License Course by Stu Turner W0STU.**

**A limited quantity is available from the Ogden Amateur Radio Club for \$20 each.**

**The manual is also available from the following sources:**

[https://www.amazon.com/HamRadioSchool-com-Technician-License-Course-Turner/dp/1477595457/ref=sr\\_1\\_1?ie=UTF8&qid=1513744717&sr=8-1&keywords=stu+turner](https://www.amazon.com/HamRadioSchool-com-Technician-License-Course-Turner/dp/1477595457/ref=sr_1_1?ie=UTF8&qid=1513744717&sr=8-1&keywords=stu+turner)

<https://www.dxengineering.com/search/product-line/ham-radio-school-technician-class-license-course-book?autoview=SKU&keyword=stu%20turner&sortby=BestKeywordMatch&sortorder=Ascending>

<https://www.hamradio.com/detail.cfm?pid=H0-011795>

**Contact:**

**Jason Miles KE7IET, (801) 896-3702, [jmiles2@gmail.com](mailto:jmiles2@gmail.com)**

# CLUB NEWS

## HAM and EGGS Net

Tuesday Evenings at 7:00 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)

## CLUB NEWS



**Ogden Utah as viewed from the Wasatch Front Mountains**



## Radio Amateur's Invention to Treat Alzheimer's Patients Going to Clinical Trials

Inveterate inventor and radio amateur Eric Knight, KB1EHE, may be on the cusp of medical history as a device he developed in collaboration with a prominent Alzheimer's disease researcher enters clinical trials this month. Both are hoping that the device, which essentially saturates the brain with low levels of RF, may prove to be a viable treatment for the dreaded disease affecting millions.

"Sometimes breakthroughs happen in ways that are unexpected," Knight told ARRL.



Knight learned of experiments that world-renowned Alzheimer's researcher Dr. Gary Arendash was carrying out on mice specially bred to have the disease, exposing them to low levels of RF. Knight said the effects were dramatic, sometimes even reversing the disease's effects in the mice. Borrowing some concepts from his early experiments with small rockets and avionics, he set about developing, and later patented, a device that could provide the requisite RF exposure to the human head.

"In the early 2000s, we were trying to figure out then how to make antennas that would wrap around the airframes of the rockets we were designing," he said, noting that the diameter of his group's space vehicle was about the same as that of a human head. Knight learned that Arendash was attempting to extend his investigations in a similar vein, and eventually they collaborated.

**Eric Knight, KB1EHE.**

"He came at it from mice and science, I came at it from an aerospace and hobby perspective," said Knight, who patented a device based on a bicycle-type helmet. At the same time, Arendash was developing a similar wearable -- a fabric cap resembling an old-time aviator's headgear. Both devices are embedded with small antennas to bathe the brain in electromagnetic radiation in the 900 MHz spectrum set aside for Industrial, Scientific, and Medical (ISM) applications -- some 100 MHz higher than a cell phone's frequency.

"Ironic for sure," Knight said. "Who would imagine that cell phone radio waves could be a potential treatment for Alzheimer's disease?"

Knight, who has no medical background, said the device to be used in the clinical trials consists of the cap plus a palm-sized transmitter and wiring harness worn on the arm. The resulting combination has been dubbed the NeuroEM 1000. Participants will get doses of RF twice a day.

From the Food and Drug Administration's (FDA) standpoint, the clinical trials aim primarily to show that the technology is safe, but Knight said he and Arendash are also looking for data that might demonstrate that the device could be beneficial in treating Alzheimer's. The protocol they've developed goes further than what the FDA requires and includes before-and-after baseline data, with cognitive testing, assays of spinal fluid and blood, and PET scans.

"The hope is that there is a tiny bit of efficacy. Then we can work to refine it," Knight said, adding, "No one is expecting a magic cure."



## FCC Penalizes Marketer of Ham-Band Drone Audio-Visual Transmitters

The FCC has imposed a \$180,000 civil penalty on a Sarasota, Florida, company that had been marketing noncompliant audio-visual transmitters intended for use on drones in violation of the Commission's Amateur Service and marketing rules. In an *Order* released on December 19, the FCC explained that Lumenier Holdco LLC (formerly known as FPV Manuals LLC) was advertising and marketing uncertified AV transmitters capable of operating on both amateur and non-amateur frequencies, including bands reserved for federal government use. Some of the transmitters also exceeded the 1 W power limit for Amateur Radio transmitters used on model craft, the FCC said.

"Moreover, entities that rely on amateur frequencies in operating compliant AV transmitters must have an amateur license and otherwise comply with all applicable laws for such operation," the FCC said in the *Order*. The FCC said that while it generally has not required amateur equipment to be certified if it operates solely on Amateur Radio frequencies, certification is required if a device can operate outside of the ham bands.

Last January, in what it called an "[extremely urgent complaint](#)" to the FCC, ARRL targeted the interference potential of a series of audio/video transmitters used on unmanned aircraft and marketed as Amateur Radio equipment. ARRL General Counsel Chris Imlay, W3KD, said those transmitters used frequencies intended for navigational aids, air traffic control radar, air route surveillance radars, and global positioning systems.

In addition to paying a civil penalty, Lumenier, which has admitted to marketing the noncompliant AV transmitters, will enter into a *Consent Decree* with the FCC to settle the enforcement proceeding and terminate the investigation.

The case stemmed from complaints received by the Enforcement Bureau's Spectrum Enforcement Division. "The investigation revealed that some of the AV transmitters marketed by Lumenier were capable of being operated outside of the authorized Amateur Radio Service bands, including on frequencies reserved in whole or in part for federal agencies, but were not certified or otherwise compliant with the rules," the FCC said in its *Order*. "These AV transmitters are considered intentional radiators and must comply with the Commission's Equipment Authorization and Marketing rules."

The FCC said that Lumenier ceased marketing the noncompliant transmitters after receiving a *Letter of Inquiry* from the FCC last April.

# GUEST ARTICLE

By Dan Romanchik, KB6NU

## What the heck is the ARRL Board thinking?

About a month ago, I received an email from the ARRL. Attached were minutes of a Special Board Meeting of the ARRL Board of Directors (<http://www.kb6nu.com/wp-content/uploads/2017/11/Minutes-of-Special-Board-Meeting-ARRL-Board-of-Directors-1.pdf>) held by teleconference on Tuesday, November 14, 2017. At first, I didn't think much of it, but after reading the minutes, I thought to myself, "What heck are these guys thinking?"

What the minutes document is the censure of Dick Norton, N6AA, for "criticizing publicly the collective action of the Board of Directors adopting said Code of Conduct[sic] and drawing the Board's collective decision making into disrepute." I won't quote the whole thing here, but you can find the text on my website at <http://www.kb6nu.com/heck-arrrl-board-thinking/>.

So, what is this ARRL Code of Conduct? It's official name is the ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, and the board adopted this code at the January 20-21, 2017 board meeting. You can find this code on the ARRL website at [http://www.arrl.org/files/file/ODV/ARRL Code of Conduct.pdf](http://www.arrl.org/files/file/ODV/ARRL%20Code%20of%20Conduct.pdf).

To be fair, this document does include some good things, such as acting responsibly when it comes to ARRL financial matters and treating ARRL staff with respect. What seems to be questionable, and the reason for N6AA's censure, however, is Section 8 Support of Board Decisions. I won't quote the entire section here, but basically what it says an ARRL board member must accept and publicly support board decisions, even if they voted it against it. If they express any dissenting opinion about a board decision, they can be censured, as N6AA was in this case.

In effect, this is a gag order on a director if he disagrees with a Board decision. Not only that, this section seems to say that once someone gets elected to the Board, his allegiance to the Board is more important than the views of the amateur radio operators he represents.

One of my Twitter followers put it this way, "Where else can those ostensibly in a position of representation of the organization's members be punished for publicly criticizing the organization's rules? US Congress? Parliament of the UK? No, and no. [@arrl](#) board is looking more like North Korea than a representative body." Seriously, can you imagine if the U.S. Congress had such a policy in place? What did Norton actually do?

I emailed Norton to find out what he said exactly to bring on this censure. Understandably, he was a little hesitant to speak to me directly. I then asked if I could see the supporting statements.

I then received two emails. The first was from Mark Weiss, K6FG. His email contained the text of an email he sent to the ARRL Board of Directors. A second contained an email sent to the board by Tim Duffy, K3LR, the owner of DX Engineering. Both emails supported N6AA, noting that he stated that he supported the board action and that any opposition came from the audience and not from Norton.

So, I go back to my original question. What the heck is the ARRL Board thinking, first in passing this draconian ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, and second in using it to censure a director, who, according to several accounts, didn't commit the infraction in the first place? Are they so insecure in their decision-making that they have to resort to gag orders like this? Don't they see that taking actions like this brings them more "disrepute" than an honest dissenting opinion?

If this situation angers you as much as it does me, I encourage you to contact your director and make your feelings known. One of my blog readers suggests that your message be "short, non-aggressive, and to the point." He suggested the following:

Dear [your director's name here]

I am unhappy with both the ARRL Policy on Board Governance and Conduct of Member of the Board of Directors and Vice Directors (aka the "Code of Conduct") and the N6AA censure.

I want to freely discuss issues with our directors. I want our directors to tell me where they stand, not where the board stands.

I want the directors to be free to express their opinions and to know how they voted.

I want directors to not fear censure.

Therefore, I urge the following immediate actions:

Modify the Code of Conduct to allow the above.

Revoke the N6AA censure.

73,

[Your name and callsign go here.]

I hate to say this, but this is only the beginning. Some ARRL directors are planning to propose changes to the League's Articles of Association and By-Laws at the board meeting in January 2018. These changes will make the ARRL even less democratic and more authoritarian.

As reported by CQ magazine (<http://cqnewsroom.blogspot.com/2017/12/changes-proposed-to-arrrl-governing.html>), if these changes are enacted "the board of directors will be able to revoke League membership 'for cause' and to remove board members by revoking their League membership; lesser disciplinary actions against board members, such as censure, will be allowed without the member receiving advance notice or an opportunity to respond to allegations." Another change will grant voting privileges to the president and three vice-presidents, even though these are appointed positions.

Again, I ask, what the heck is the ARRL board thinking? Do they really think that this is going to make the ARRL a stronger organization and a better advocate for amateur radio? If so, I'd like to hear their reasoning. ARRL membership has been declining for many years (as a percentage of licensed radio amateurs), and these moves are only going to accelerate that decline. I have already heard from many hams that they plan to let their ARRL membership lapse.

Please consider contacting your director today. It may already be too late to save the ARRL.

## FEATURE ARTICLE

### A Windstorm Happened Here.



Over the years, I have admired professionally installed TV antennas. Most covered the old Very High Frequency (VHF channels 2 through 13) and Ultra High Frequency (UHF) TV channels (14 and up). The one shown above had the longer elements in the rear and were, of course VHF, and the shorter corner reflector elements at the front (pointing to the right toward Salt Lake City) were for UHF. Now that most all channels changed to UHF digital channels, the rear elements became less important.

A month or so ago some gusty wind bursts blew this antenna down to the left. The base was still anchored, but it ended up horizontal to the roof. I was driving by one day and noticed the homeowner, on the roof alone, trying to get a extendable ladder under the pipe mast preparing to raise it back up.

I stopped and commiserated with him as to his predicament, which was dangerous to say the least, especially if he were to try it alone. My ladder and roof climbing days are over so I could not help him, but he said he would get a family member and some neighbors to help him raise it back up.

Lo and behold, several days later, they got it back up. I suspect that they still get all the new digital channels, but I just had to take a picture for posterity. The VHF elements are bent every-which-way and the mast has a dog leg near the base. The resurrection of the antenna doesn't use best engineering practices, but, apparently, it still works.

TNX Kent Gardner, WA7AHY

# FEATURE ARTICLE

## You Never Know About a QSO

Over lunch recently with some amateur radio friends, the conversation was good natured and friendly. Great stories came one-after-another. Some were from the good-old-days, but increasingly evident were stories that happened recently. This bodes well for our hobby, in that, we are trying to keep up with the action and not letting grass grow under our feet. One such story made everyone at the table perk up with interest.

Our long-time member and recent club president, Larry Griffin, AD7GL told us of a nice QSO using the FT-8 mode on 30 meters. Larry is well-known for his successfully operating from within the confines of a Home Owner's Association and being bound by Covenants, Conditions and Restrictions (CC&Rs). His antennas are usually in his attic and he otherwise uses stealth techniques to keep from breaking the covenants. His low power and operating skills make for some great contacts in his log-book.

The following, mostly in his own words, is one of those memorable contacts:

I am working on Worked All States (WAS) for the new digital mode FT-8 (33 states and counting).

I was running 15 watts on a Yaesu FT100D to a Hustler 5BTV ground mounted vertical.

On 21 Nov.2017, I called CQ on 10.136 MHz, 30 meters as 20 meters was over crowded on the FT-8 frequency allocation.

I received an immediate response from N3KN.

FT-8 exchanges Call Signs, Grid Square, Signal Strength and 73 automatically in the space of one minute.

A QRZ check of the call sign indicated the call sign belonged to Kay Craigie of Blacksburg, VA. 1722 miles East.

**Kay Craigie is a past-president of the American Radio Relay League (ARRL) She retired in January of 2016 after 30 years as an ARRL official. She had been President since 2010. For more info see her QRZ BIO.**

Editors note: Great story Larry, It has always intrigued me who might be on the other end of a QSO. It might be the first QSO of a new ham or, as in years past, (the King of Jordan), or maybe the first time with a ham of the opposite sex.

Also, there have been several great articles recently in QST, about the new digital modes. The January 2018 issue specifically covers FT-8 beginning on page 41. Two other articles entitled Work the World with WSJT-X, Part 1: is in the October 2017 issue beginning on page 30 and more on page 45. Part 2 is in the November issue on page 34. They all cover FT-8.

TNX Kent, WA7AHY.



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## Club Swapmeet

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**“SALE” or “WANTED” ITEMS NEEDED**

OARC's **O-bay (On-Line Swap-Meet)** items needed for the web site...

Visit <http://www.ogdenarc.org/> then click on **Obay-Swap**.

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### FEATURED ITEMS

#### SWAP ITEM # 177

**FOR SALE:** 60ft crank up tower. Aluma model T-60HN.

Includes 120V winch, tilt base plate, YAESU G-800SDX and G-500A rotators, guy wires and house bracket.

**PRICE: \$4000**

**CONTACT: John N7WZ, 208 520 3537 (leave message)**

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#### SWAP ITEM # 176

**FOR SALE:** 40ft mobile air pushup tower.

Includes spare tire for trailer, leveling feet for trailer and guy straps with ground stakes.

Trailer requires 2 in ball.

**PRICE: \$3000**

**CONTACT: John N7WZ, 208 520 3537 (leave message)**

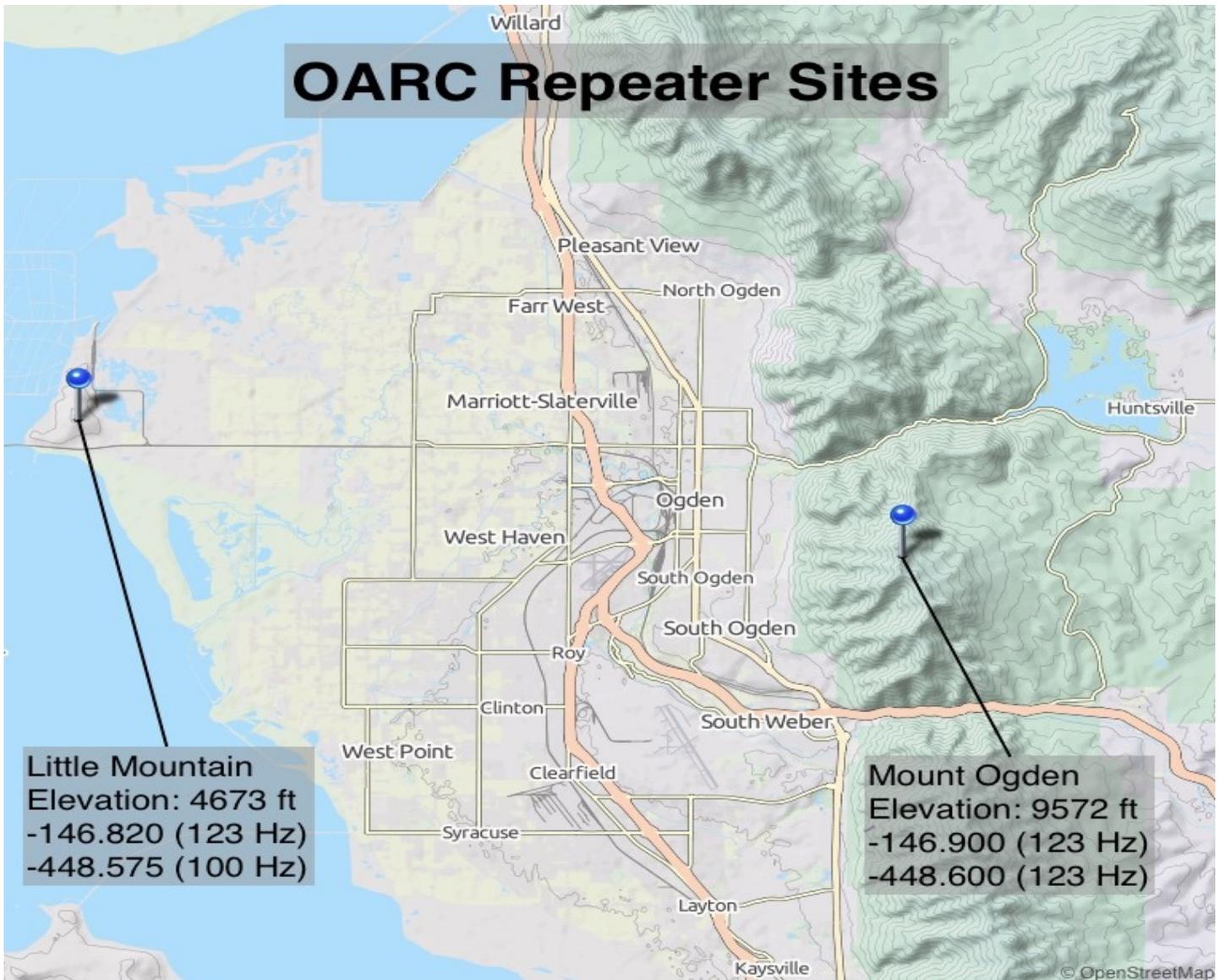
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#### **NOTICE**

**FREE on-line, local swap - help spread the word**

<http://www.pocatelloarc.org/swap/>

## 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 YAHOO GROUP



### Did you know that OARC has a Yahoo Group?

We occasionally communicate with our OARC members via the Yahoo Group. Receive notices regarding upcoming club meetings and future e-newsletter release notices and much more like CHAT items of interest.

You can also send/receive notices to/from other group members yourself.

It's easy to sign up...



Just click on the  icon at the top of the club website home page and then follow the Yahoo Group instructions to create yourself a user ID and password.

## 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 right hand panel of the club website home page to view recorded meetings preserved for your viewing pleasure.**

## Club Badges

OARC Club badges are available for all licensed club members.

The cost is \$10.00 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 \$10.00 in advance for each badge ordered and specify Call Sign and First Name. Contact webmaster or any club officer via email or contact the club treasurer at the next club meeting.

For additional information see club website left side menu and click “Join” to fill out a club application form to order a club badge.

# 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.**

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

**THANK YOU FOR YOUR SUPPORT**

## Join OARC

### Renew your membership now!

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.

Joining is easy. Come to a club meeting or fill out an application form from the club website (click "Join" from the left side main menu). Instructions for mailing on the form.

**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.

## 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 notices above**

Talk-in: **-146.82 (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**

**Weber County Sheriff Office  
Training Room  
712 W 12<sup>th</sup> Street Ogden Utah**

### Contact: VE Liaison:

**Rick Morrison W7RIK** (Liaison)

[morrisonri@msn.com](mailto:morrisonri@msn.com) (801-791-9364)

**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](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 repeater 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**

ARRL Field Day is held on the last full weekend of June every year.

Location may vary each year so watch this notice for details as time draws near.

See you there.

| <b>OARC REPEATERS</b>                  |                       |         |                              |
|----------------------------------------|-----------------------|---------|------------------------------|
| (*) Yaesu Fusion digital/FM compatible |                       |         |                              |
| FREQ                                   | CLUB                  | TONE    | LOCATION                     |
| 146.900-                               | OARC (*)              | 122 DCS | Mt Ogden                     |
| 448.600-                               | OARC (*)              | 123.0   | Mt Ogden                     |
| 146.820-                               | OARC (*)<br>"Talk-in" | 123.0   | Little Mtn                   |
| 448.575-                               | OARC                  | 100.0   | Little Mtn<br>(w/auto patch) |

| <b>OTHER AREA REPEATERS</b> |           |       |                 |
|-----------------------------|-----------|-------|-----------------|
| FREQ                        | CLUB      | TONE  | LOCATION        |
| 146.620-                    | UARC      | none  | Farnsworth Pk   |
| 147.120+                    | UARC      | 100.0 | Farnsworth Pk   |
| 449.100-                    | UARC      | 146.2 | Farnsworth Pk   |
| 449.500-                    | UARC      | 100.0 | Farnsworth Pk   |
| 147.040+                    | DCARC     | 123.0 | Antelope Isl    |
| 447.200-                    | DCARC     | 127.3 | Antelope Isl    |
| 449.925-                    | DCARC     | 100.0 | No Salt Lake    |
| 145.290-                    | GSARC     | 123.0 | Brigham City    |
| 145.430-                    | GSARC     | 123.0 | Brigham City    |
| 147.220+                    | GSARC     | 123.0 | Brigham City    |
| 448.300-                    | GSARC     | 123.0 | Brigham City    |
| 146.640-                    | BARC      | none  | Logan           |
| 146.720-                    | BARC      | 103.5 | Mt Logan        |
| 147.260+                    | BARC      | 103.5 | Promontory Pt   |
| 449.625-                    | BARC      | 103.5 | Mt Logan        |
| 145.250-                    | WSU       | 123.0 | * coming soon   |
| 449.250-                    | WSU       | 123.0 | * coming soon   |
| 145.490-                    | K7HEN     | 123.0 | Promontory Pt   |
| 146.920-                    | N7TOP     | 123.0 | Promontory Pt   |
| 449.775-                    | N7TOP     | 123.0 | Promontory Pt   |
| 147.100+                    | Morgan    | 123.0 | Morgan Co       |
| 448.825-                    | IRLP/Echo | 123.0 | Clearfield City |
| 449.950-                    | IRLP      | 123.0 | Clearfield City |
| 449.425-                    | IRLP      | 100.0 | Nelson Peak     |
| 147.360+                    | Summit Co | 100.0 | Lewis Peak      |

## AREA CLUB MEETINGS & WEB SITES

| CLUB                   | WEB SITE                                                                                                         | DATE/TIME                                               | LOCATION                                                             |
|------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------|
| OgdenARC               | <a href="http://ogdenarc.org">ogdenarc.org</a>                                                                   | 3 <sup>rd</sup> Saturday 09:00 am                       | Check OARC web site ...                                              |
| WC Sheriff<br>Comm-O   |                                                                                                                  | 1 <sup>st</sup> Saturday 10:00 am                       | Weber Co. Sheriff Complex<br>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<br>200 North 1400 West Logan Ut           |
| CSErg                  | <a href="http://dcarc.net/ares.htm/">dcarc.net<br/>/ares.htm/</a>                                                | Last Wednesday 8:30pm                                   | Clearfield City Hall<br>Clearfield Utah                              |
| DCarc                  | <a href="http://dcarc.net">dcarc.net</a>                                                                         | 2 <sup>nd</sup> Saturday 10:00 am                       | Davis Co. Sheriff Complex<br>Farmington Utah                         |
| NU Ares                | <a href="http://home.comcast.net/~noutares/">home.comcast.net/<br/>~noutares/</a>                                | 3 <sup>rd</sup> Wednesday 7:00 pm                       | Cache Co. Sheriff Office<br>Logan Utah                               |
| Uarc                   | <a href="http://xmission.com/~uarc/">xmission.com<br/>/~uarc/</a>                                                | 1 <sup>st</sup> Thursday 7:30 pm                        | UofU EMC Bldg Room 101<br>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<br>North State St. Orem Utah       |
| GSarc                  | <a href="http://Ubetarc.org">Ubetarc.org</a>                                                                     | Check Website                                           | Check Website                                                        |
| Utah DX<br>Association | <a href="http://udxa.org">udxa.org</a>                                                                           | 3 <sup>rd</sup> Wednesday<br>check web page for details | check web page for details<br>Salt Lake City area                    |
| UvhfS                  | <a href="http://ussc.com/~uvhfs/">ussc.com<br/>/~uvhfs/</a>                                                      | Each Tuesday 8:00 pm<br>(refer to web site)             | Weekly 2 meter net<br>(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/#!<br/>forum/wsuarc</a> | 3 <sup>rd</sup> Thursday 5:30 pm                        | WSU Blding #4 Room ?<br>Ogden Utah                                   |

## 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 @ 7:30 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 @ 7:00 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        | VHF Society Swap               | 147.120 + 100.0                                                                 |
| Tuesday @ 9:00 PM        | Bridgerland ARC                | 147.260 + 103.5                                                                 |
|                          |                                |                                                                                 |
| 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 <b>HF USB</b>                                                        |
| Wednesday @ 9:00 PM      | 6-meter SSB net                | 50.125 Mhz <b>6-meter USB</b>                                                   |
|                          |                                |                                                                                 |
| Thursday @ 6:30 PM       | Davis Co Elmers Net            | 147.040 + 123.0 <b>New Hams</b>                                                 |
| 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<br>3 <sup>rd</sup> 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 <b>HF LSB</b><br>3 <sup>rd</sup> Saturday – odd months only           |
| Saturday @ 11:00AM mst   | QCWA net HF                    | 7.272 Mhz <b>HF LSB</b>                                                         |

## OARC OFFICERS

President: Jason Miles KE7IET

Vice Pres: Mike Taylor KE7NQH

Secretary: Ceva Cottrell KE7IEV

Treasurer: Jerry Cottrell KG7IGW

Program Director:  
Gil Leonard NG7IL

Activity Director:  
Dave Mamanakis KD7GR

## "WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

## "OARC" web site

Webmaster: Val Campbell K7HCP

## OTHER CLUB APPOINTMENTS

VE Liaison: Richard Morrison W7RIK  
Jason Miles KE7IET (IT)

Repeater Engineers: Mike Fullmer KZ7O  
Scott Willis KD7EKO

Photographer: Ceva Cottrell KE7IEV

QSL Manager: Ceva Cottrell KE7IEV

Historian/Librarian: Kent Gardner  
WA7AHY

Equipment Manager: Val Campbell K7HCP

Club Call Sign Trustee: Larry Griffin AD7GL

Advisors: Stan Sjol W0KP  
Mike Fullmer KZ7O  
Kent Gardner WA7AHY  
Kim Owen KO7U  
Larry Griffin AD7GL

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