



WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

OCTOBER 2016

Next Club Meeting/Activity

October Meeting—Riverdale Fire Station



Jason Miles KE7IET
President



Mike Taylor KE7NQH
Vice President



Ceva Cottrell KE7IEV
Secretary



Jerry Cottrell KG7IGW
Treasurer



Mike Neal K7MLN
Program Director



Dave Mamanakis KD7GR
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

PREVIOUS CLUB MEETING/ACTIVITY

Joint DCarc & Oarc Swap Meet

3rd Saturday 17 September 2016

Davis County Utah

NEXT CLUB MEETING/ACTIVITY

October Meeting

Riverdale Fire Station

3rd Saturday 15 October 2016

Ham Logging Software

by Mike Neal K7MLN

PREVIOUS MEETINGS PICS

Photos by ... Ceva Cottrell KE7IEV



From the Shack of KE7IET



Jason Miles KE7IET

For some time now, I've wanted to operate in the field. The Summits on the Air (SOTA) program has interested me for a couple of reasons. First, it provides a greater challenge than setting up at the park down the road. Second, I want to visit Lewis Peak above North Ogden again. (My father took our scout troop there when I was a teenager.) I've had a couple of people offer to go with me, and I just need to get the trip planned.

Golf Ball Project

The project I mentioned last month has to do with such an outing, although trees might be a bit sparse on Lewis Peak. One of the challenges of a SOTA activation is getting an antenna into the air. If trees are available, you can use them to support a simple dipole, vertical, or end-fed half-wave antenna. Having seen a YouTube video on the subject, I determined to build a line launcher using a golf ball.

Here is my bill of materials:

- 1 golf ball
- 1 eye screw
- 2 fishing swivels
- 100 feet of 50 lb fishing line (Use whatever length and weight you want.)
- 1 line winder

First, I prepared the golf ball. I drilled a pilot hole in the golf ball using a drill press. (A cordless drill may work as well.) To keep the ball in place while drilling, I used a hole saw to cut a round hole in a scrap piece of 2x4. The hole saw was slightly smaller than the ball's diameter so the ball would rest on the rim of the hole. After I drilled the pilot hole, I inserted the eye screw.

Continued ...

Second, I prepared the line winder. I wanted something like a kite string winder, but stronger. The SOTABEAMS winders (<http://www.sotabeams.co.uk/antenna-wire-winders/>) looked good, but I didn't have time to wait for shipping from the UK. Instead, I bought a "paddle" cutting board from the dollar store, drew the patterns for two winders on it, and cut them out using a scroll saw. These cutting boards have come in handy for at least one other project. After cutting out the winders, I drilled a few holes along their edges so I would have a place to hook the fishing swivels.

Last, I measured and cut 100 feet of 50-pound fishing line and tied fishing swivels on both ends. I hooked one swivel to the winder, then wound the line onto the winder. (The SOTABEAMS video recommended a figure-eight pattern when winding. Apparently, it makes paying out the line easier.) When all the line was wound, I hooked the second swivel to the winder.

To use the golf ball, unhook the second swivel from the winder and hook it to the eye screw in the golf ball. Pay out fishing line from the winder onto the ground in zig-zag lines about 10 feet long. (You want to avoid tangling and provide a low-drag way for the ball and line to get into the tree.) Make sure to pay out enough fishing line to reach up to the desired branch and then back down to the ground. After making sure you're not standing on the fishing line, throw the ball over the desired branch. When the ball comes back down, unhook the ball's swivel from the ball and attach the swivel to your antenna line. Pull the fishing line from the winder end, and your antenna line will be carried into the tree.

I haven't tried the golf ball on a radio outing yet, but I have tried it in the backyard. It seemed to work for me there.

Next Project

Since writing this article provides some motivation for me to get projects done, I'll set a goal for myself to get my Kenwood TS-450S rig fully interfaced with my shack computer. I have a RigBlaster M8 that would do the job, but I'm not completely satisfied with how that works.

I purchased a Kenwood IF-232C a while back. That gives me rig control through my computer's serial port, and it works. (I know rig control is useless without the audio interface, but rig control was the easy part in this case.)

For the audio interface, I'd like to use the 13-pin accessory jack on the back of the radio. That will leave my microphone, external speaker, and headphone jacks free for other uses. The accessory jack provides receiver audio and accepts transmitter audio. I found audio interface instructions online that are simple enough for me to understand. I'd like to try that.

Continued ...

Recent Failure

Once again, assumptions got the best of me. I started participating with the LDS Bishop's Storehouse radio activities last year. We run a 2m simplex net, and we often heard complaints about our weak signal. I measured the radio's output using a wattmeter. Our 50-watt radio was only transmitting 25 watts on high power.

We noticed that our 2m antenna had a crack in its fiberglass shell. I assumed that water was leaking from the antenna into the coax and causing SWR problems. I also assumed that the radio was folding back its transmit power to compensate for high SWR. In my mind, that was the explanation for the decreased transmit power.

Recently, Mike Stanford WB7TSQ joined the storehouse crew. Mike seems to know his way around a radio, and he approached the problem from the other direction. He did some quick testing with a multimeter, and he discovered that the power supply voltage at the back of the radio was only around 9V. (The radio expects 13.8V.) That would certainly explain both a weak signal and terrible transmit audio.

Mike quickly fixed the problem. The power cable was much too long, especially since the radio is mounted only two inches above the power supply. Mike shortened the power cable to minimize loss. Next, he measured the power supply voltage at the back of the power supply. It was around 11V. He adjusted the voltage up to the 13.8V it was supposed to be. After these adjustments, we measured the radio's output power. It now transmits a full 50 watts.

Again, be careful with assumptions!

73 from Jason Miles KE7IET





OARC COMING EVENTS



Weber Co VE Test Session
1st Wednesday 05 October 2016

OARC Family Christmas Dinner
3rd Saturday 17 December 2016

CLUB NEWS



Warning, a tornado is nearby.

James Clarke K7JSC of Washington Terrace seemed to have lost his roof top vertical antenna during the tornado that touched down only 1 block north and one block east of his QTH.

CLUB NEWS

HAM and EGGS Net

Tuesday Evenings at 7:00 PM Mountain Time

Mt Ogden 70 cm repeater 448.600 Mhz (-5 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: Mike Neal K7MLN@hotmail.com

NOTE

Weber Co VE Test Session

1st Wednesday 05 October 2016

HOBBY NEWS



BRIDGERLAND AMATEUR RADIO CLUB

Online

SwaptoberFest

Saturday October 8th 2016



Barc Club Store
Vintage Equipment

Lots of prizes
DMR Utah

146.72 - .600 103.5 * DSTAR NU7TS B 449.575/N7RDS B 447.925 *
Intertie 449.650 - 5 PL 100 * DMR 447.000/447.125

Cache County Fairgrounds Pavilion

450 West 500 South Logan, UT

7:00 Set-up Doors Open 8:00 AM - 12:00 PM

Great Prizes

Refreshments

Admission & Tables Free



YAESU



MFJ



ICOM

HOBBY NEWS



Where has your signal been?

Ham Radio Outlet to Acquire Some AES Employees, Re-Open Milwaukee Location as HRO Branch

Following the July 1 announcement that Amateur Electronic Supply (AES) would be going out of business on July 28 and closing its four outlets, Ham Radio Outlet (HRO) unveiled plans to hire an unspecified number of AES employees and to make over the AES Headquarters store in Milwaukee as HRO's newest location. With the

approval of AES management, HRO senior managers visited the AES Milwaukee, Las Vegas, Cleveland, and Orlando locations to interview staffers in hopes of "acquiring some of the Amateur Radio retail employee talent in each of the current AES locations," an HRO news release said.

"We are very excited to announce that HRO was successful in providing offers of em-



ployment to a number of soon-to-be-former AES employees, and that to some, we have offered positions that involve HRO-sponsored and funded relocation," HRO said. The new HRO Milwaukee store is scheduled to open at the end of August.

"It is with great pleasure that we are able to continue Terry Sterman's and Phil Majerus'

FCC Says “No” to Lifetime Amateur Radio Licenses

The FCC has denied the petition of an Arizona radio amateur who had petitioned for lifetime Amateur Radio licenses. Mark F. Krotz, N7MK, of Mesa, had filed his *Petition for Rule Making* (RM 11760) with the FCC last November, and the FCC invited public comments in February. Krotz wanted the FCC to revise §97.25 of its rules to indicate that Amateur Radio licenses are granted for the holder’s lifetime, instead of for the current 10-year term. Hundreds of radio amateurs commented on the petition, but the FCC was not swayed by those favoring the idea.

“Based on our review of the record, we are not persuaded that the petition discloses sufficient grounds for the requested rule change,” the FCC said in a June 21 *Order*. “Krotz’s primary argument is that extending the term of ama-

teur licenses to the lifetime of the holder would reduce the Commission’s administrative and personnel costs, but it is not clear to us that the proposal actually would enhance administrative efficiency.” That’s because the vast majority of license renewals are submitted online and processed automatically by the Universal Licensing System (ULS), “with minimal staff involvement,” the FCC explained in the *Order*.

The FCC said it had further reduced its overhead by no longer routinely mailing paper licenses. “[I]f license terms were extended to the holder’s lifetime, we likely would receive more cancellations on account of the licensee’s death, which are labor-intensive, because staff must carefully verify the deceased’s identity and licenses in order to guard against erroneous cancellations,” the FCC said.

Krotz argued that the General Radiotelephone Operator License (GROL) is already issued on a lifetime basis, but the FCC said that’s not a comparable situation, because an Amateur Radio license is both an operator’s license and a station license, “and there is no Commission precedent for issuing a lifetime station license.”



Amateur Radio Parity Act Passes in the US House of Representatives!

"The bill is passed without objection." With those words, Amateur Radio history was made on September 12, when the US House of Representatives approved the Amateur Radio Parity Act, H.R. 1301 on a voice vote under a suspension of the rules. The focus of the campaign to enact the legislation into law now shifts to the US Senate.

The House victory culminated many years of effort on ARRL's part to gain legislation that would enable radio amateurs living in deed-restricted communities to erect antennas that support Amateur Radio communication. The measure calls on the FCC to amend its Part 97 rules "to prohibit the application to amateur stations of certain private land-use restrictions, and for other purposes." While similar bills in past years gained some traction on Capitol Hill, it was not until the overwhelming grassroots support from the Amateur Radio community for H.R. 1301 shepherded by ARRL that a bill made it this far. The legislation faces significant obstacles to passage in the US Senate, however.



Three Companies Agree to Plead Guilty for Fixing Prices of Electrolytic Capacitors

The US Department of Justice announced this week that three companies have agreed to plead guilty for their roles in a conspiracy to fix prices for electrolytic capacitors sold to customers in the US and elsewhere. The companies are Rubycon Corporation, Elna Co Ltd, and Holy Stone Holdings Co Ltd.

"The Antitrust Division has now charged five companies and one individual for their participation in this international price-fixing conspiracy," Deputy Assistant Attorney General Brent Snyder of the Justice Department's Antitrust Division, said in an August 23 Justice Department [news release](#). "The electrolytic capacitors conspiracy affected millions of American consumers who use electronic devices containing capacitors every day."

The division filed one-count felony charges against each of the three companies in US District Court in San Francisco. In addition to pleading guilty to the charges against them, each company has agreed to pay a criminal fine and to cooperate with the Division's ongoing investigation. The plea agreements are subject to court approval.

NEC TOKIN Corp and Hitachi Chemical Co Ltd already pleaded guilty earlier to participating in the same worldwide conspiracy.

GUEST ARTICLE

By Dan, KB6NU

Should U.S. ham tests be given abroad?

By Dan Romanchik, KB6NU

A couple of weeks ago, I received an e-mail from a reader who wanted my opinion about a thread on the HamRadioHelpGroup mailing list. The e-mail that started the discussion was a message from an American living in Italy who wanted to take the Technician Class exam. In her e-mail, she told of her troubles finding a test session, and then when she did find one, what she perceived as "irregularities" in the testing process. Reading the thread was a little disconcerting, and I blogged about this issue (<http://www.kb6nu.com/u-s-amateur-radio-license-exams-given-outside-u-s/>).

I understand why foreign national go to the trouble of taking the U.S. license exam. Some of them even buy my study guides. About a year ago, for example, I swapped some e-mail with a guy from Malaysia about why he purchased my study guide and why he wanted a U.S. license. He said that it was because a neighboring country offered reciprocal operating privileges to U.S. licensees, but not Malaysian licensees! He mentioned that he tested for the license in Thailand.

Basically, my Malaysian friend was using the U.S. licensing process to circumvent the Malaysian licensing process. Australians seem to do this, too. Apparently, according to one of the VKs who commented on the thread, getting a U.S. Tech license is easier than testing for an Australian Foundation license. So, some Australians get a U.S. Tech license first, then get the Australian government to issue them a VK Foundation license based on the reciprocal operating agreement between the U.S. and Australia.

Another reason that some outside the U.S. obtain U.S. amateur radio licenses is the challenge. That's the reason Martin Butler, MOMRB/W9ICQ, of ICQPodcast fame, gave when I spoke to him about this recently.

Are these reasons "good enough" to continue this program of licensing non-U.S. citizens? My first reaction was that no, it's not good enough, and I questioned whether or not the ARRL VEC should sanction non-U.S. VEs and whether or not the FCC should even allow testing outside of the United States.

I didn't see the need for conducting these test sessions or the desirability (to the U.S.) of licensing foreign nationals. I reasoned that not only was there a greater possibility of test fraud, this program could lead to foreign authorities claiming that the U.S. was meddling in their affairs.

continued

This post garnered a lot of comments. Several of them took me to task for voicing this opinion and were in favor keeping the current licensing program in place. There were a variety of reasons.

One of the reasons in favor of using the U.S. licensing process is that in many countries, amateur radio license exam sessions are not very frequent. Another is that they often are quite expensive. This creates an artificial barrier to getting an amateur radio license. Using the U.S. licensing system breaks through this barrier and allows many more to enjoy amateur radio.

Of course, for everything to be on the up and up, the foreign authorities would have to condone the use of U.S. license tests. Apparently, this is the case in Thailand and Australia. I don't know about Italy, but I'm guessing that the authorities there don't really care about Italians obtaining U.S. licenses.

Perhaps the best comment came from Thida, HS1ASC/KH6ASC. He noted that the tests in Thailand were administered very strictly, and says, "The U.S. may lose some callsigns, but what the U.S. and U.S. hams get from us is goodwill, very positive feeling. Everyone who gets U.S. license is so proud, and others look at them respectfully." Since Part 97.1(e) lists as one of the purposes of amateur radio, "Continuation and extension of the amateur's unique ability to enhance international goodwill," I'm now all in favor of offering U.S. ham tests abroad.

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Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com, and you can contact him by e-mailing cwgeek@kb6nu.com. When he's not pondering the vagaries of the U.S. licensing system, you'll find him working CW on the HF bands.



Club Swapmeet



“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**.

FEATURED ITEMS



SWAP ITEM # 173

ITEM: Kenwood TS-530 SP/D Transceiver

Great condition.

PRICE: \$ 250

CONTACT: Randy Thompson KA7ZLU, rjthomps@q.com

Home: (801) 782-2263 Cell: (801) 645-3939

NOTICE

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

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



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FEATURED ITEMS

SWAP ITEM # 171

**ITEM: Hy-Gain AV-14AVQ Vertical 4 band HF Antenna
(10m/15m/20m/40m)**

Antenna was used ground-mounted with 4 radials for two years.

Value new = \$189

Good stealth antenna as it is only 18 ft. in length.

It is complete in the original factory box and includes factory manual.

PRICE: \$ 80 (firm), cash only

CONTACT: Larry Griffin AD7GL, 801-388-1894, ad7glqst@gmail.com

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FEATURED ITEMS

SWAP ITEM # 174

FOR SALE: RFS 1/2" Heliax

RFS 1/2" Heliax new on the roll for \$1.00 a foot. We have 2000 Ft available and will cut to your length.

This is RFS Cellflex LCF12-50J Heliax cable. It is similar to Andrew LDF4-50A 1/2" Heliax and the connectors fit both cables.

We don't have connectors for this cable but we can show you where you get get them from a number of suppliers starting at \$5.00 each.

PRICE: \$ 1 / foot

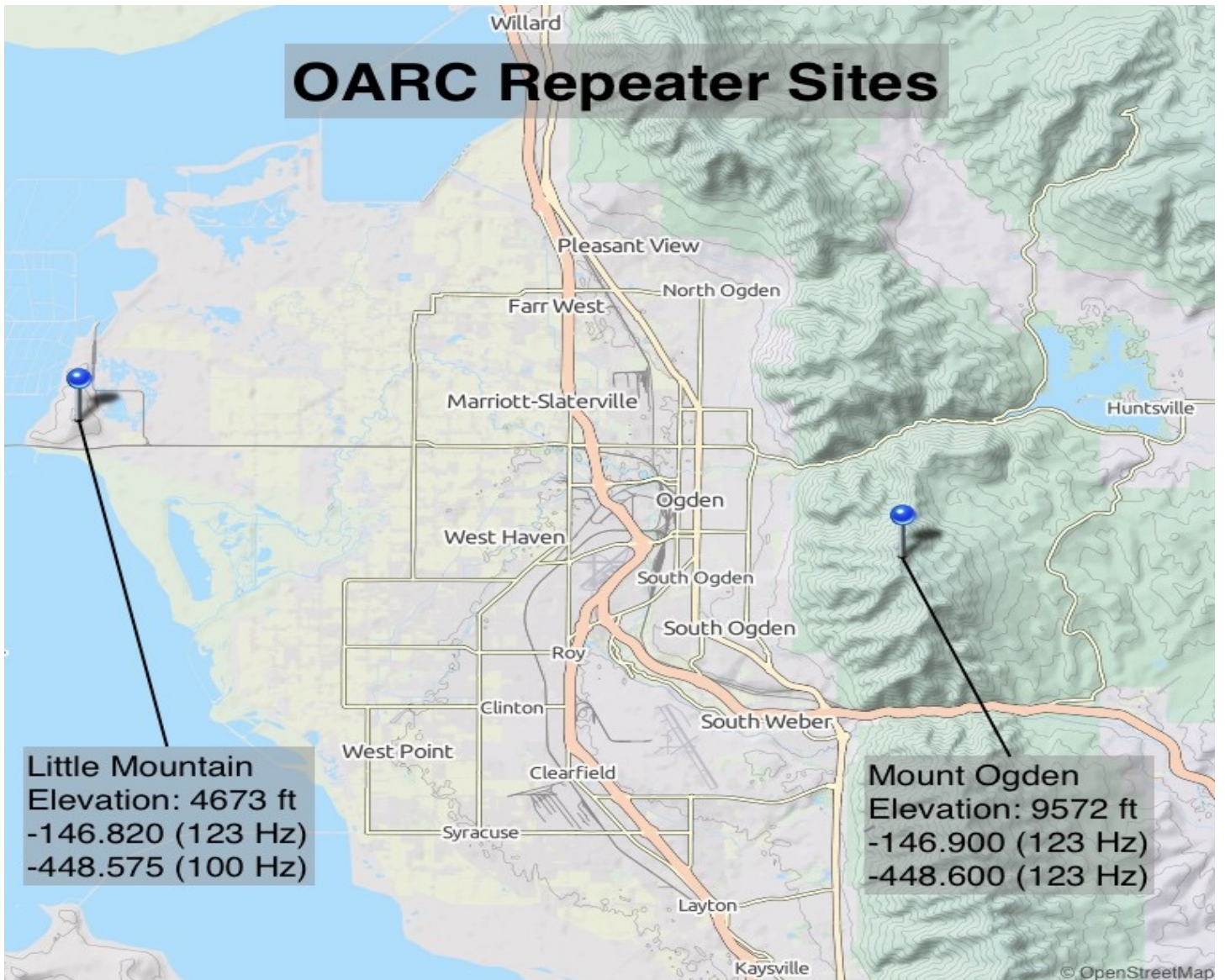
CONTACT: Mel Parkes, NM7P at 801-673-6116 or John Lloyd, K7JL at 801-943-8830 - Payment via PayPal at <http://www.utahvhfs.org/>

NOTICE

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<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 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.

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.

ANNOUNCEMENTS

Next Club Meeting:

3rd Saturday of each Month

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

Meeting/Activity:

See notices above

Talk-in: **-146.82 (pl 123.0)**

Check OARC web site for details

www.ogdenarc.org

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

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

Next Weber Co VE Test Session:

1st Wednesday Feb, Jun & Oct

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

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

Location: Permanent location

**Weber County Sheriff Office
Training Room
712 W 12th Street Ogden Utah**

Contact: VE Liaison:

Rick Morrison W7RIK (Liaison)

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

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.

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

OTHER AREA REPEATERS			
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	ogdenarc.org	3 rd Saturday 09:00 am	Check OARC web site ...
WC ARES	ogdenarc.org/ join.html#ares	2 nd Thursday 06:30 pm	Weber Co. Library Ogden Utah
WC Sheriff Comm-O		1 st Saturday 10:00 am	Weber Co. Sheriff Complex West 12 th Street Ogden Utah
Barc	barconline.org	2 nd Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSERG	dcarc.net /ares.htm/	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	dcarc.net	2 nd Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	home.comcast.net/ ~noutares/	3 rd Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	xmission.com /~uarc/	1 st Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
GSarc	Ubetarc.org	Check Website	Check Website
Utah DX Association	udxa.org	3 rd Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	ussc.com /~uvhfs/	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	westdesertarc.org/	1 st Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	https://groups.google.com/forum/#! forum/wsuarc	3 rd Thursday 5:30 pm	WSU Blding #4 Room ? Ogden Utah

LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mt	Utah Beehive net HF	7.272 Mhz HF LSB
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz HF CW
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz HF LSB
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz HF LSB
Sunday @ 7:30 PM	GS ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.100 +123.0
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Monday @ 9:00 PM	2-meter SSB net	144.250 Mhz 2-meter USB
Tuesday @ 7:00 PM	OARC—Ham & Eggs Net	448.600 -123.0
Tuesday @ 8:00 PM	Weber ARES	448.600 - 123.0
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 8:00 PM	GS ARC	145.290-, 145.430-, 448.300- (all 123.0)
Wednesday @ 8:30 PM	CSERG	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz HF USB
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz 6-meter USB
Thursday @ 6:30 PM	Davis Co Elmers Net	147.040 + 123.0 New Hams
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0 3 rd Thursday - even months only
Thursday @ 8:30 PM	Davis ARES	147.420 = simplex
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mst	RACES State HF	3.920 Mhz HF LSB 3 rd Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

OARC OFFICERS

President: Jason Miles KE7IET

Vice Pres: Mike Taylor KE7NQH

Secretary: Ceva Cottrell KE7IEV

Treasurer: Jerry Cottrell KG7IGW

Program Director:
Mike Neal K7MLN

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
Gil Leonard NG7IL

73 es cul de W7SU

www.OgdenArc.org