

WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

JULY 2015

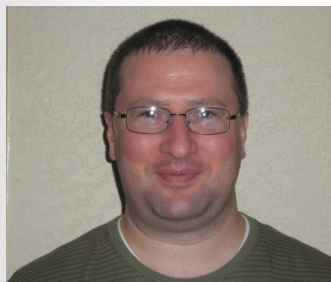
Next Club Meeting/Activity

Activity : OARC "T"-Hunt & Breakfast



Gil Leonard NG7IL

President



Jason Miles KE7IET

Vice President



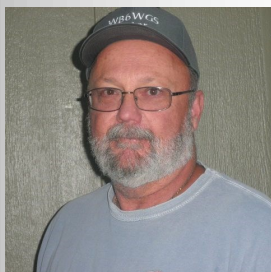
Larry Griffin AD7GL

Secretary



John Shupe K7DJO

Treasurer



Pete Heisig WB6WGS

Program Director



Mike Taylor KE7NQH

Activity Director



Val Campbell K7HCP

Webmaster/NL Editor

PREVIOUS CLUB MEETING

Activity:

ARRL Field Day

Sat 27 June thru Sun 28 June 2015

12 noon Sat to 12 noon Sun

Marriott Park

NEXT CLUB MEETING/ACTIVITY

Activity: OARC "T"- Hunt and Breakfast in the Park

Date: Saturday 18 July 2015

Location: Greater Ogden area west of the mountains

Time: 8:00 am until the found (start from your home)

PREVIOUS MEETINGS PICS

Photos by ... Jerry Cottrell









More OARC Field Day pics on the club website.

QRM from Gil



Gil Leonard NG7IL

Field day was a great success. Everyone had a good time and there was plenty of opportunity to get on the radio and make contacts. The radios stayed in operation for 18 or more hours of the 24 hour period. We even had some young prospective hams jump in and they did a great job of making contacts. Hopefully Val will give us an update on the contacts completed and how our score compares to years past. The club focuses more on the setup and ability to operate rather than trying to get a better score than other operators in our class. I think this works well as there is less pressure and more time to talk and get to know our fellow hams better. The attendance for dinner was very good and thanks to all for the great food. Nobody should have gone away hungry.

Special thanks to everyone that was on hand to help setup and take down all the radio equipment. Our equipment manager Val, K7HCP, was there to make sure it was all available on time and ready for the next time we set up. I am looking forward to the photos from the event, there was so much going on I couldn't keep track of it all. John, K7DJO, was not able to join us but Jerry, KG7IGW, and Rick, N7EGA, filled in and took lots of photos.

July brings us the fox hunt on the 15th. There will be a hidden transmitter somewhere in the Ogden area. Everyone is welcome and encouraged to participate. The hunt will begin at 0800 local time and breakfast will be waiting for you when you find the park and transmitter. As usual, we will designate one repeater for clues and the other for those just wishing to join us for breakfast. Complete details and information will be included later in this newsletter and on the website.

Repeater update. The club received its 4 new Yaesu Fusion repeaters and the first to go on the air was the Little Mountain repeater, 146.820 MHz. It's nice to have it back on the air. A few days before field day the Mount Ogden 146.900 MHz repeater was installed and is now functional. By the time you read this the other Mount Ogden repeater, 448.600 MHz, should be operational. It is scheduled for installation on 3 July. The final repeater will be installed at Little Mountain once everything for the auto patch system is sourced and tested, 448.575 MHz.

These repeaters are for the benefit and enjoyment of all amateur radio operators and residents within their coverage area. To get the most enjoyment from these repeaters be sure to enable CTCSS on your radios. Basically a tone encode and tone decode to control the squelch on your radio. Thank you to Mike, KZ7O, and Scott, KD7EKO, our repeater engineers for their time, effort and resources they donate to keep us all on the air with these repeaters. \

There are a growing number of digital radios in the area and new ways to use their capabilities are being explored.

Enjoy your summer and I will see you for breakfast in the park,

73 de Gil

NG7IL

OARC COMING EVENTS



OARC “T”-Hunt & Breakfast **NEW!**

Sat 18 July 2015

Utah HamFest 2015 (Ruby's Inn) ... [details](#) **NEW!**

Friday 31 July—Sunday 02 August 2015

Next VE Test Session **NEW!**

Wed 07 October 2015

OARC COMING EVENTS



Activity: OARC Annual "T"-Hunt & Breakfast in the Park

Date: 3rd Saturday 18 July 2015

Time: 08:00 AM (start from your home)

Location: Weber County (West of Mtns) and will be located in a Park somewhere within the county.

Activity: "T"-Hunt followed by Breakfast in the Park (locate the bunny and then enjoy a free breakfast)

Details: The bunny will be hiding in one of the PARKS in the greater Ogden area, probably one with a bowery.

Over-the-Air Hints: Call in on 146.90 (Mt Ogden repeater) for hints - if you need them.

Give Up?: Call in on 146.82 (Little Mountain repeater) for the bunny and breakfast location.

FREQUENCY >>> 145.41 MHz simplex : Monitor 146.90 repeater for info

Hone your skills at tracking down the location of the hidden transmitter. It will require a bit of skill and will require driving, so bring a designated driver to assist you with the challenging activity. There will be a prize for the first contestant to locate the hidden transmitter.

You can hunt the fox with your HT and a paper clip. Hold the unit down close to your chest and pirouette around and find the direction where the signal sounds the weakest. If the signal is full quieting, de-tune the radio 5 or 10 kHz until some noise is heard with the signal. When you have found the direction of weakest-sounding signal, the signal is coming from behind you. This is the direction from which your body provides the most attenuation.

OARC COMING EVENTS



Activity: Utah HamFest 2015

Date: Friday 31 July to Sunday 02 August 2015

Location: (Ruby's Inn, Bryce Canyon Utah)

Note: [Details](#) NEW!

Activity: OARC SteakFry - Elections - Auction

Date: 3rd Saturday 15 August 2015

Location: Marriott Park (1065 S 1200 W)

Note: Nominations are needed.

Nominate yourself or someone else.

Contact Larry Griffin (Secretary) ASAP.

Officers Duties defined: see club website home page.

CLUB REPEATER NEWS

Here are some pics of my recent trip to Mount Ogden (with my assistant) to install one of the new Yaesu repeaters this day (June 25th).

I replaced the 146.900 with the new Yaesu Fusion repeater.

Scott Willis KD7EKO



HOBBY NEWS

Number of US Amateur Radio Licenses at All Time High

The US Amateur Radio population continues to soar. At the end of 2014, the total number of US Amateurs in the FCC's Universal Licensing System (ULS) database reached an all-time high of 726,275. After just 2 months into 2015, the number had risen to more than 727,000. The figures exclude expired licenses that are within the 2-year grace period, and club station licenses. Outside of a little dithering last fall, growth in the Amateur Radio Service in 2014 was steady, according to figures compiled by Joe Speroni, AH0A, on his FCC Amateur Radio Statistics web pages. Over the past decade, the number of Amateur Radio licenses in the ULS database grew by some 8.1 percent. But 2014 was also a banner year for the ARRL Volunteer Examiner Coordinator (VEC).

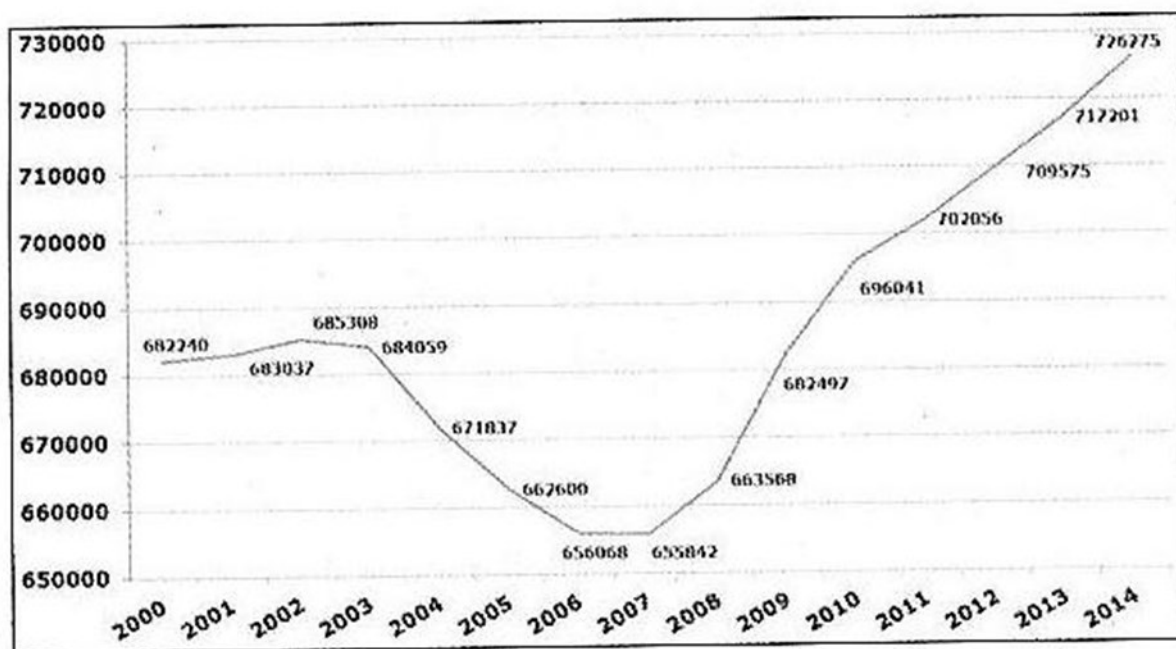
"For the first time in the ARRL VEC program's history, we have conducted more than 7000 Amateur Radio exam sessions in a year, an important milestone," said ARRL VEC Manager Maria Somma, AB1FM. "A total of 7216 ARRL-sponsored exam sessions were administered in 2014, compared to 6823 in 2013."

Somma said the number of new licensees spiked to more than 33,000 in 2014, up by about 15 percent from the previous year. Successful license upgrades rose last year by an unprecedented 13 percent over a year earlier.

Once again, California far and away was home to the largest number of licensees among the 50 states, with 102,806 at the end of February. Texas was a distant second, with 51,022, Florida came in third, with 40,743. The state with the fewest Amateur Radio licensees in 2014 was North Dakota, with 1477, but in an overall upward trajectory. — Thanks to Joe Speroni, AH0A; FCC ULS licensing statistics; ARRL VEC

Editors Note:

In 1961 there were about 210,000 amateur licenses in the United States compared to 725,000 today.



HOBBY NEWS

ARRL Section Manager News

Contact Information

Section Name: Utah

Contact: Mel Parkes

Daytime Phone: 801-673-6116

Evening Phone: 801-547-1753

Email: nm7p@msn.com

Basic Information

Division: [Rocky Mountain](#)

Description:

I would like to take just a moment to thank all who participated and voted in the recent election for section manager. For those who voted for me I thank you for your endorsement of my performance. For those who did not vote for me, I would appreciate a favor. I have learned a lot from various feedback received during the election process! I would appreciate your input to help make things better in our section, I am open to suggestions and will respond to all email and phone call suggestions. I have set up my home phone number to email all messages to my cell phone. My cell phone doesn't get great reception at my office but it will let me know of a text message waiting to be read.

I plan to visit as many clubs in our section before the end of the calendar year and many of the ARES and emergency groups. Let me know if you have something on your mind. I will be at field day and try to visit a few clubs at field day. I would like to encourage everyone in our section to attend the Rocky Mountain Division Convention to be held at Ruby's Inn on 31 Jul, 1 & 2 August. Many clubs will have BBQ's and picnics this summer. Let me know if you would like me to attend and I will try and work it into my schedule. If you have some ideas or want to see some changes made in our Utah Section let's talk! I would love to hear about ideas and how you would recommend the changes being accomplished.

Tell me what you would like to see posted on this site in the future and I will make an effort to make it happen.

73 Mel Parkes, NM7P Utah Section Manager

PS: My office number is 801-581-8766 (No Voice mail at this number)

CLUB NEWS

Unclaimed Club Badges

John K7DJO our club treasurer is worried about several of you that have not picked up your new pre-paid OARC club badge. Your badge doesn't look quite like this one because it has your call sign and your name on it but we are quite sure you will enjoy yours just the same. You can claim your badge at any future club function, meeting, activity or event or contact our club badge czar John K7DJO.



<ul style="list-style-type: none">• KD7RPT, Sparky• KE7VVT, John• KF7HNU, Ralph• KG7IHA, Tom• KG7KFD, Tony• KG7LIG, Andrea	<ul style="list-style-type: none">• KT7JIM, Jim
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Club Swapmeet



“SALE” or “WANTED” ITEMS NEEDED

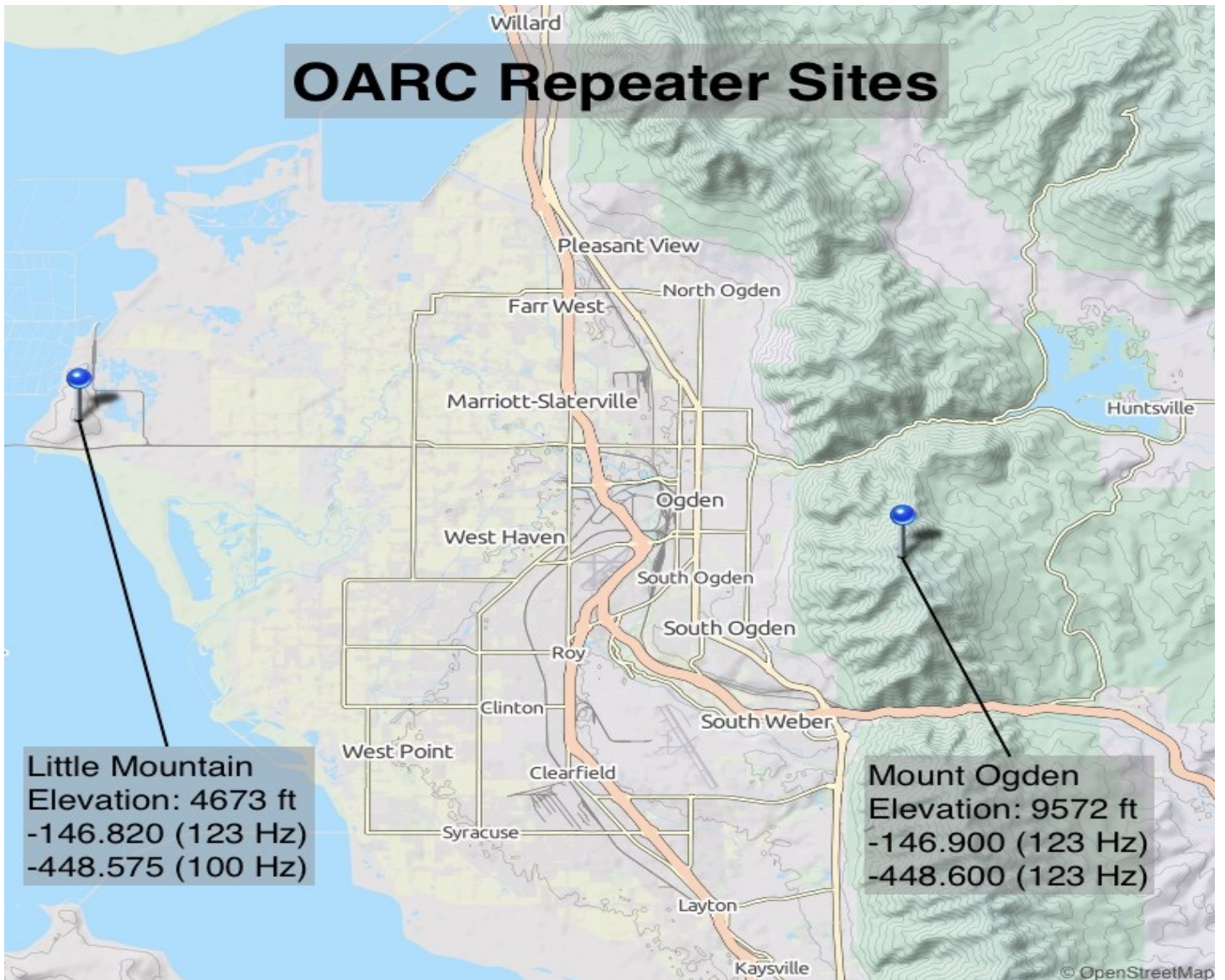
OARC's **O-bay (On-Line Swap-Meet) items needed** for the web site...

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

FEATURED ITEMS

Your sale item could be posted here!

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.

**More to come ...
following the next 3 pages of commercials.**

Please stay tuned.

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.

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.



FCC Eliminates Amateur Radio Vanity Call Sign Regulatory Fee

05/22/2015

The FCC is eliminating the regulatory fee to apply for an Amateur Radio vanity call sign. The change will not go into effect, however, until required congressional notice has been given. This will take at least 90 days. As the Commission explained in a *Notice of Proposed Rulemaking, Report and Order, and Order* ([MD Docket 14-92](#) and others), released May 21, it's a matter of simple economics.

“The Commission spends more resources on processing the regulatory fees and issuing refunds than the amount of the regulatory fee payment,” the FCC said. “As our costs now exceed the regulatory fee, we are eliminating this regulatory fee category.” The current vanity call sign regulatory fee is \$21.40, the highest in several years. The FCC reported there were 11,500 “payment units” in FY 2014 and estimated that it would collect nearly \$246,100.

In its 2014 *Notice of Proposed Rule Making (NPRM)* regarding the assessment and collection of regulatory fees for FY 2014, the FCC had sought comment on eliminating several smaller regulatory fee categories, such as those for vanity call signs and GMRS. It concluded in the subsequent *Report and Order (R&O)* last summer, however, that it did not have “adequate support to determine whether the cost of recovery and burden on small entities outweighed the collected revenue or whether eliminating the fee would adversely affect the licensing process.”

The FCC said it has since had an opportunity to obtain and analyze support concerning the collection of the regulatory fees for Amateur Vanity and GMRS, which the FCC said comprise, on average, more than 20,000 licenses that are newly obtained or renewed, every 10 and 5 years, respectively.

“The Commission often receives multiple applications for the same vanity call sign, but only one applicant can be issued that call sign,” the FCC explained. “In such cases, the Commission issues refunds for all the remaining applicants. In addition to staff and computer time to process payments and issue refunds, there is an additional expense to issue checks for the applicants who cannot be refunded electronically.”

The Commission said that after it provides the required congressional notification, Amateur Radio vanity program applicants “will no longer be financially burdened with such payments, and the Commission will no longer incur these administrative costs that exceed the fee payments. The revenue that the Commission would otherwise collect from these regulatory fee categories will be proportionally assessed on other wireless fee categories.”

The FCC said it would not issue refunds to licensees who paid the regulatory fee prior to its official elimination.

GUEST ARTICLE

by KB6NU

HamShield turns an Arduino into a VHF/UHF transceiver

The Arduino seems to be making a big splash in ham radio circles these days. The ARRL has recently published a couple of books about the Arduino and Arduino-based amateur radio projects. And, recently, I purchased a NanoKeyer (nanokeyer.wordpress.com), which is a CW keyer powered by an Arduino Nano.

Now, a couple of enterprising young hams have built the HamShield (<https://www.kickstarter.com/projects/749835103/hamshield-for-arduino-vhf-uhf-transceiver>). It's an Arduino shield that turns an Arduino into a VHF/UHF transceiver. With the HamShield, you can transmit and receive on the 2 m, 220 MHz, and 440 MHz bands.

According to Casey, KC7IBT, one of the project leaders, "We have both voice and data working on the shield right now and also have a powerful library to control it."

We also have it talking to the Chrome browser, so any computer that can run a web browser can operate a packet radio station or voice station. We also have another piece of chrome software called "APRS Messenger", a text messaging app for APRS. One of our prototypes is in a neat little case that clips right to the back of your laptop (shown in the video). I will launch these apps in the Chrome Store once we get closer to completion.

We have 10 working prototypes currently, but need to raise money to fund the production cost and get the unit prices down to acceptable levels. This means buying parts in bulk and reducing production costs.

I think this is a very cool project, and I hope that you'll consider supporting the HamShield Kickstarter project. I plan to get one and see what I can do with it.

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When not playing with Arduinos, Dan operates CW on the HF bands and blogs about amateur radio at KB6NU.Com. He is also the author of the "No-Nonsense" amateur radio license study guides. His most recent book is *The CW Geek's Guide to Having Fun with Morse Code*. The books are available on his website or on Amazon.

=====

Dan KB6NU

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			
FREQ	CLUB	TON E	LOCATION
146.900-	OARC	123.0	Mt Ogden
448.600-	OARC	123.0	Mt Ogden
146.820-	OARC "Talk-in"	123.0	Little Mtn (w/auto patch)
448.575-	OARC	100.0	Little Mtn (w/auto patch)

OTHER AREA REPEATERS			
FREQ	CLUB	TON E	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 @ 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	CSEARG	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: Gil Leonard NG7IL

Vice Pres: Jason Miles KE7IET

Secretary: Larry Griffin AD7GL

Treasurer: John Shupe K7DJO

Program Director:
Pete Heisig WB6WGS

Activity Director:
Mike Taylor KE7NQH

"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: John Shupe K7DJO

QSL Manager: John Shupe K7DJO

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

73 es cul de W7SU

www.OgdenArc.org