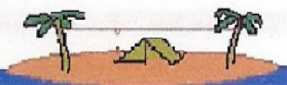


WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

SEPTEMBER 2015

Next Club Meeting/Activity

Activity : Joint Swap Meet DCarc/Oarc/Uarc



Gil Leonard NG7IL
President



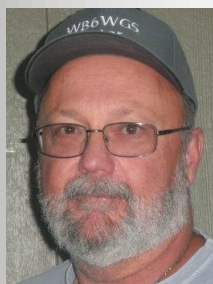
Jason Miles KE7IET
Vice President



Mike Taylor KE7NQH
Secretary



Jerry Cottrell KG7IGW
Treasurer



Pete Heisig WB6WGS
Program Director



Dave Mamanakis KD7GR
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

PREVIOUS CLUB MEETING

Activity: OARC Steak Fry, Renewals, Elections, Auction

Date: 3rd Saturday 15 August 2015

Location: Marriott Park

NEXT CLUB MEETING/ACTIVITY

Activity: Joint Swap Meet—DCarc/Oarc/Uarc

Date: 3rd Saturday 19 September 2015

Time: 9:00 AM—12:00 AM

Location: Bountiful City Park - 400 N 200 W Bountiful

PREVIOUS MEETINGS PICS

Photos by ...









More Steak Fry pics on the OARC website.

**Links available on the “Homepage”
or the “Photo Gallery”.**

QRM from Gil



Gil Leonard NG7IL

Welcome to a new year for the Ogden Amateur Radio Club.

The steak fry was a great success. Thank you to the board members who made it all happen. Pete, KB6WGS, rounded up some great steaks and Stan, W0KP, provided us a great grill to cook them on. There was plenty of really good food to go around and some fun door prizes, three new Baofeng handhelds pre-programmed by Rick, W7RIK.

Elections took place and some new board members have been added. I would like to thank Larry, AD7GL, for his service as secretary to the board. The meeting minutes were always well organized and available just after each board meeting. Larry will continue to be active on the board as an advisor. Mike, KE7NQH, will be taking over as our new secretary.

John, K7DJO, has been our treasurer for many years and kept our books balanced and up to date. He always had the answers available for any financial decisions that needed to be made by the board. John also will continue to be active on the board as an advisor. Thank you for your long service John. Jerry, KG7IGW, will be taking over the treasurer duties.

Dave, KD7GR, will be taking over the activities director position left open by Mike, KE7NQH.

Jason, KE7IET, was re-elected as vice President; Pete, KB6WGS, will continue to be our program director; and you re-elected me, Gil NG7IL, to continue one more year as president. Our board advisors will continue to participate on the board and they include: Val, K7HCP, also our webmaster; Mike, KZ7O; Stan, W0KP; Kent, WA7AHY.

I wish to express my gratitude to all these fine gentlemen for their dedication to the club in the past and also into the future. Because these men contribute their time and talents to the club, we have an amazing and active club. I am looking forward to the 2015/2016 year; it will be a great one.

Continued

Last year we focused on topics related to Technician level privileges, this year we hope to focus on topics related to General class privileges. Our first official meeting of the year will be on the 17th of October and feature Val, K7HCP. He will be presenting HF101.

HF-101 is not a training course. It is intended to generate interest and desire in operating in the HF bands and all the many other activities that goes along with having a General Class license.

It complements the experience that some may have had at Field Day or Golden Spike and will inspire initiative to those who have not otherwise moved beyond their VHF/UHF experience.

You won't want to miss this meeting as it will set the stage for the year to follow. I hope to see you all at the Riverdale fire station, our regular meeting place. A map can be found on the OARC web page for new members and visitors.

Our September meeting will be conducted as a joint swap meet at the Bountiful City Park, 19th of September from 9:00am. till noon. The park is located at:

[400 North 200 West, Bountiful, Utah.](#)

The 146.820 MHz repeater will be our talk in frequencies. This event is one of my favorite as there is always great gear available and lots of local hams. **Tables are free** if you need to clear out some of the un-needed equipment from your shack. Complete details can be found on the OARC website.

Thank you also goes to Rick, W7RIK, and his VE team. The VE team has managed to increase its testing capability with some more new computers. His team functions very smoothly with the computer based testing they provide. The next test session will begin at 6:00 pm on the 7th of October at the:

[Weber County Sheriff Training Room](#)

[721 West 12th street Ogden, Utah](#)

If you know someone who is looking to test for the first time or you are looking to upgrade your license, this is a great time to do so. Complete details can be found on the OARC website.

It's going to be a great year and I hope to see you all soon!

OARC COMING EVENTS



Joint Swap Meet—DCarc/Oarc/Uarc

Bountiful City Park

3rd Saturday 19 September 2015

Next VE Test Session

1st Wed 07 October 2015

CLUB NEWS

Congratulations to a new Ham and newest club member.

Michelle Bryant—KG7VMN

Michelle passed her Technician Class license at the Utah

Hamfest VE test session at Bryce Canyon—Ruby's Inn.

She joined OARC at our annual Steak Fry meeting in August.

Welcome to the following OARC “New-Comers” that visited our club meeting recently. We welcome you back soon!

New Comers/Visitors Welcome

16 May 2015 meeting

Lynette Sant KD7LLR - Roy Utah

CLUB NEWS

OARC Membership Status 2014-2015

OARC just finished a banner year having achieved a fiscal year end (August—August) status of 104 total members. Over the past 4 years we had another 42 expired members, members that joined at one time but failed to re-new during this past year.

Our Steak Fry / Membership Renewal meeting last month welcomed 48 new and renewed members which gets us off to a good start for the new fiscal year 2015-2016.

If you were unable to attend you can renew at any OARC meeting or event. We encourage you to sign up your (non-licensed) spouse as an associate member. You can do this for only \$10. Both you and your spouse for a total of only \$25. What a bargain. Please don't forget. We are counting on you and your support.

This year the annual steak fry auction raised \$230 for the clubs general fund, not quite as good as last year where \$293 was raised. You will see most all of this and more come back to you in the form of door prizes at future OARC events.

Of course club officers were elected and installed at the steak fry meeting. Be sure to check out the new / current Officers link on the right side panel of the club website homepage.

CLUB NEWS

OARC Membership by License Class as of August 2015

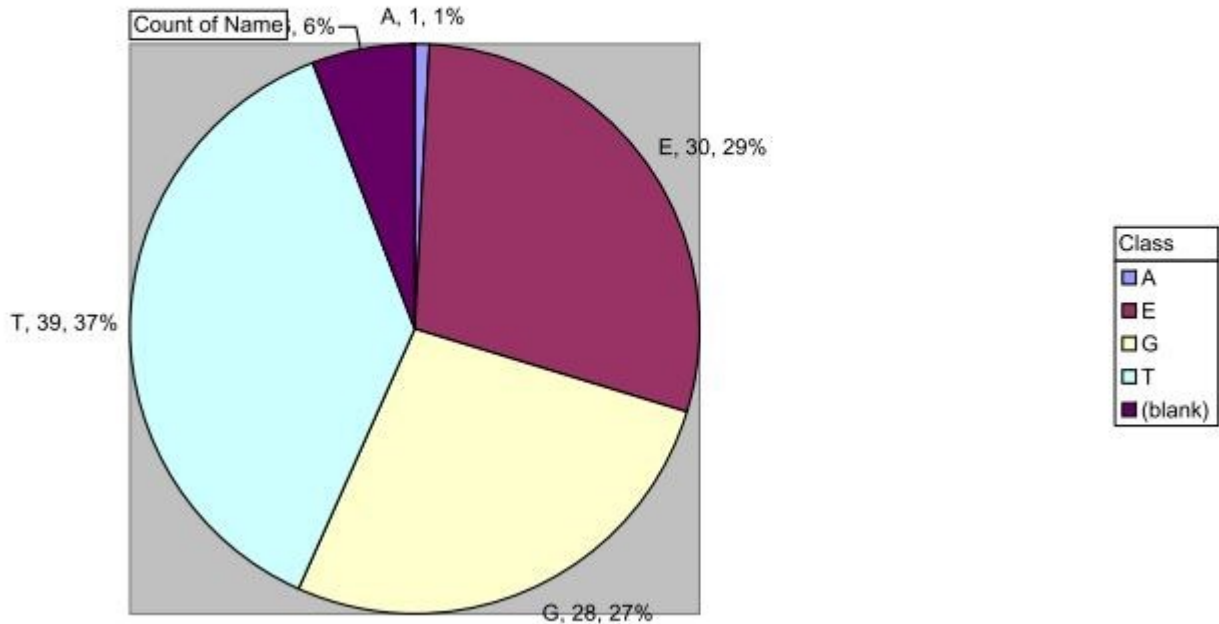


Chart by Jerry Cottrell KG7IGW

Membership by License Class - 2014-2015 Year

of OARC Members = 104 @ 01 August 2015

Count of Name	
Class	Total
A	1
E	30
G	28
T	39
(no call)	6
Grand Total	104

CLUB ARTICLE

Ogden/Weber VE Test Team

Rick and Jason have been the OARC VE liaisons since the beginning of 2012. During the years that followed they have conducted **11** regular VE test sessions in addition to **5** special test sessions.

154 HAMS have been licensed or upgraded during the past **4** years. Way to go team!

Exam sessions are held in Ogden, *usually* the first Wednesday in February, June, and October. Additional test sessions may be held on special occasions.

Time: 6:00 PM

Location:

Weber County Sheriff Office

Training Room

712 W 12th Street Ogden Utah

Richard Morrison W7RIK (VE Liaison) morrisonri@msn.com 801-791-9364

Jason Miles KE7IET (IT assistant)



Richard Morrison W7RIK



Ja son Miles KE7IET

Continued...

Continued...

OARC VE Team Members (current volunteers)

Richard Morrison W7RIK (VE Liaison)

Jason Miles KE7IET (IT assistant)

Mike Graves KD7MG

Larry Griffin AD7GL

Ken Johnson AE7SX

Gil Leonard NG7IL

Dave Mamanakis KD7GR

Spencer Mark AE7IO

Kim Owen KO7U

Johnny Rauzi K7ZZQ

Richard Rohde W7DAX

Forrest Terrell KG7NJF

Ken Wilson N7OG

Dave Woodcock WY7P

HOBBY NEWS

Rich History of Wireless Communications

- 1901 - Marconi accomplished the first Trans-Atlantic radio communication
- 1914 - The ARRL (American Radio Relay League) was formed
- 1921 - **OARC** (Ogden Amateur Radio Club) was formed ...
by Dr W.G. Garner - **W7SU** of Ogden Utah
- 1937 - **OARC** became an ARRL affiliated club
- 2015 - Celebrates 101 years of Ham Radio

Number of US Amateur Radio Licenses at All Time High

1961 = 210,000 amateur licenses in the United States

2015 = 727,000 licensed amateurs

2015 = 29,000 new licenses this year

2015 = 167,000 ARRL members

HOBBY NEWS

HAM and HiFi

Wants your stuff!

**Do you have any Vintage Radio, Audio or Tubes that you want to sell?
Any Surplus Electronics Equipment that you need to free yourself of?**

Ethan KG7LOV of Sparks, NV is coming to town and wants to leave with all of your surplus and unwanted vintage radio and audio equipment, tubes also.

**Call and make an appointment but please do so immediately or at least before
15 September 2015.**

HAM and HiFi

<http://www.HamAndHiFi.com>

775-313-2823

Ethan KG7LOV

Sparks, NV

References: John Shupe K7DJO

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• KF7HNU, Ralph• KG7IHA, Tom• KG7LIG, Andrea• KT7JIM, Jim | |
|---|--|



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

ITEM #159



FOR SALE:

IC-718 HF Transceiver

In like new condition in original box with all manuals.

Covers 160 - 10 Meters with all modes. Has general coverage receiver from 0.5 through 30 Mhz.

PRICE: \$425

CONTACT: Stan Sjol W0KP, 801-985-3651, ssjol@aol.com

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.

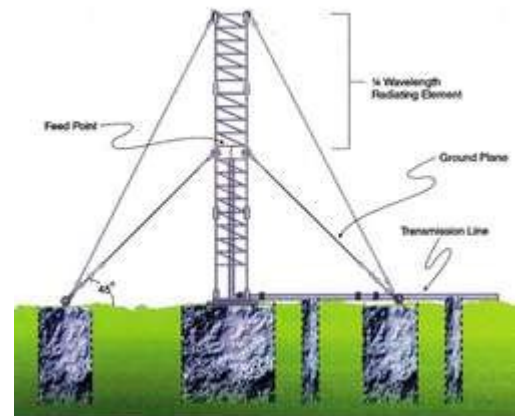
NOTE: New Hams >>> Membership in OARC is complimentary for remainder of 1st year licensed.



WWV's 25 MHz Signal is Back on Original Vertical Dipole

Time and frequency standard station [WWV](#)'s resurrected 25 MHz signal -- now back on the air for more than a year after going silent in 1977 -- is once again transmitting on a vertical dipole from its original antenna and location. The 25 MHz signal returned to the air on an "experimental basis" in April 2014, and it's been transmitting ever since. The WWV vertical dipole is not something you'd likely find in the average ham radio antenna farm.

"The antenna the 25 MHz [transmitter] is on right now is the original antenna it was on in 1977," Matt Deutch, N0RGT, WWV's lead electrical engineer, told ARRL. "When the 25 [MHz transmitter] was shut down [that year], the radiating section was removed and tossed in the bone yard, and a new longer section put on the tower to make it a 15 MHz stand-by antenna."



A depiction of a WWV vertical dipole antenna. [Courtesy of Matt Deutch, N0RGT]

Deutch said that when WWV first reintroduced the 25 MHz broadcast in 2014, it used a broadband monopole. It was later decided to use that antenna for WWV's 2.5 MHz stand-by transmitter, though. "So, we decided to rebuild the 25 MHz antenna," he recounted. "A few weeks ago the boys dug the 25 MHz radiating section out of the mud in the bone yard and rebuilt the 25 MHz antenna, so that it looks identical to what it looked like in 1977."



The WWV campus in Fort Collins, Colorado. [Courtesy of NIST]

Deutch said the 25 MHz WWV vertical dipole now is coupled to its own, dedicated transmitter, radiating 2.5 kW "with near zero watts reflected," he added, and modeling has shown that the dipole exhibits a lower angle of radiation than the broadband monopole did. "There is no automatic backup transmitter for 25 MHz at this time," Deutch added. The 25 MHz WWV signal had been operating at about 1 kW for the past 16 months.

Deutch has said that WWV has received reports on the 25 MHz signal from across the Atlantic. The 25 MHz transmission not only provides another option to check your frequency calibration or the exact time, it also can serve to indicate the state of propagation on 12 and 10 meters. The 25 MHz broadcast includes the same information transmitted on all other WWV frequencies and at the same level of accuracy.



Amateur Radio Vanity Call Sign Fee to Disappear in September

07/29/2015

The Amateur Radio vanity call sign regulatory fee is set to disappear in the next few weeks. According to the best-available information from FCC sources, the first day that applicants will be able to file a vanity application without having to pay a fee is Thursday, September 3. In [deciding](#) earlier this year to drop the regulatory fee components for Amateur Radio vanity call signs and General Mobile Radio Service (GMRS) applications, the FCC said it was doing so to save money and personnel resources. The Commission asserted that it costs more of both to process the regulatory fees and issue refunds than the amount of the regulatory fee payment.

“Our costs have increased over time, and now that the costs exceed the amount of the regulatory fee, the increased relative administrative cost supports eliminating this regulatory fee category,” the FCC said in its [Report and Order](#), which appeared on July 21 in *The Federal Register*. “Once [it’s] eliminated, these licensees 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 FCC raised the Amateur Service vanity call sign regulatory fee from \$16.10 to its current \$21.40 for the 10-year license term in 2014. The \$5.30 increase was the largest such fee hike in many years. In a typical fiscal year, the FCC collected on the order of \$250,000 in vanity call sign regulatory fees.

The FCC said the revenue it would otherwise collect from such regulatory fees “will be proportionally assessed on other wireless fee categories.” Congress has mandated that the FCC collect nearly \$340 million in regulatory fees from all services in fiscal year 2015.

GUEST ARTICLE

by KB6NU

Antenna Analyzers You Can Hack

I'm a nut for antenna analyzers. I think that they are one of the most useful things a ham can own.

I've often wondered why there aren't more DIY antenna analyzer projects, though. Perhaps it's because designing measurement circuits isn't easy. An antenna analyzer has to have a signal source as well. Even so, an antenna analyzer doesn't need a whole lot of accuracy to be useful, so you would think that more builders/hackers would tackle a project like this.

I do know of one antenna analyzer kit on the market. The VK5JST Antenna Analyser Kit (<http://www.ahars.com.au/about/kits/>) costs about \$110 USD. I actually purchased this kit a year or so ago, and it looks like a great unit. The unit seems well-designed, and it comes with a plastic case, unlike many projects these days, but I haven't yet gotten around to building it.

I've also recently found out about an Arduino-based antenna analyzer project (<http://hackaday.com/2015/08/06/40-antenna-analyzer-with-arduino-and-ad9850/>). It uses an AD9850 module as the signal source. The approximate cost for all the parts is about \$40, and you can experiment with the code, if you like. If you have the time and inclination, this project might be worth taking a hack at. [[NOTE TO EDITORS: A photo of this project can be found at <http://www.kb6nu.com/wp-content/uploads/2015/08/analyzer.jpg>]]

Another antenna analyzer project from Australia is the VK3YY antenna analyzer (or "analyser" as they spell it there). It uses an Arduino Nano. The interesting thing about the blog post in which VK3YY describes the project (<https://vk3yy.wordpress.com/2014/09/29/antenna-analyser-project/>) is that you can follow his design and experimentation process.

Yet another analyzer

While I'm talking about antenna analyzers, let me mention another one that I've just found out about: the IW2NDH Antenna Analyzer (<http://www.iw2ndh.com/>). This antenna analyzer isn't a kit, but at \$175 seems to be a good deal. This unit has a frequency coverage of 2 - 160 MHz, and can be used as an antenna analyzer, signal generator, and a scalar network analyzer.

Apparently, this started out as an Arduino project. As Maximo, EA1DDO, pointed out on the radioartisan Yahoo Group, there is source code for this project on GitHub (<https://gist.github.com/jackdev23/7876502>), and a schematic is available on the Union de Radioaficionados Espanoles (URE) website (<http://www.ure.es/media/kunena/attachments/2420/Schematic.jpg>).

=====

When not writing about antenna analyzers, Dan, KB6NU, actually builds an antenna now and then. You can often find him on the HF bands (mostly 40m and 30m), working CW. His #1-rated amateur radio blog can be found at KB6NU.Com, and you can e-mail questions, comments, or complaints to cwgeek@kb6nu.com.

=====

This column is now going out to more than 360 clubs now.
Thanks for all your support. 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	STONE	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: Mike Taylor KE7NQH

Treasurer: Jerry Cottrell KG7IGW

Program Director:
Pete Heisig WB6WGS

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: 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