



# WATTS NEWS



**The Best of Amateur Radio**

*Welcome to the OARC e-Magazine*

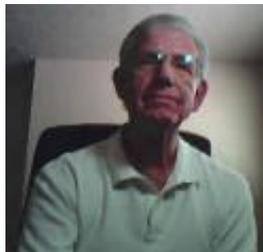
[www.OgdenArc.org](http://www.OgdenArc.org)

**DECEMBER 2012**

Next Club Meeting/Activity

**3<sup>rd</sup> Saturday 15 December 2012**

Activity: OARC Family Dinner



Larry Griffin AD7GL  
President



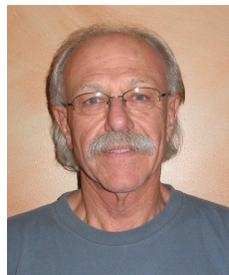
Gil Leonard NG7IL  
Vice President



Gary Hudman KB7FMS  
Secretary



John Shupe K7DJO  
Treasurer



Rich Kennedy KF7VAQ  
Program Director



Dave Woodcock WY7P  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

## PREVIOUS CLUB MEETINGS

3<sup>rd</sup> Saturday 17 November 2012

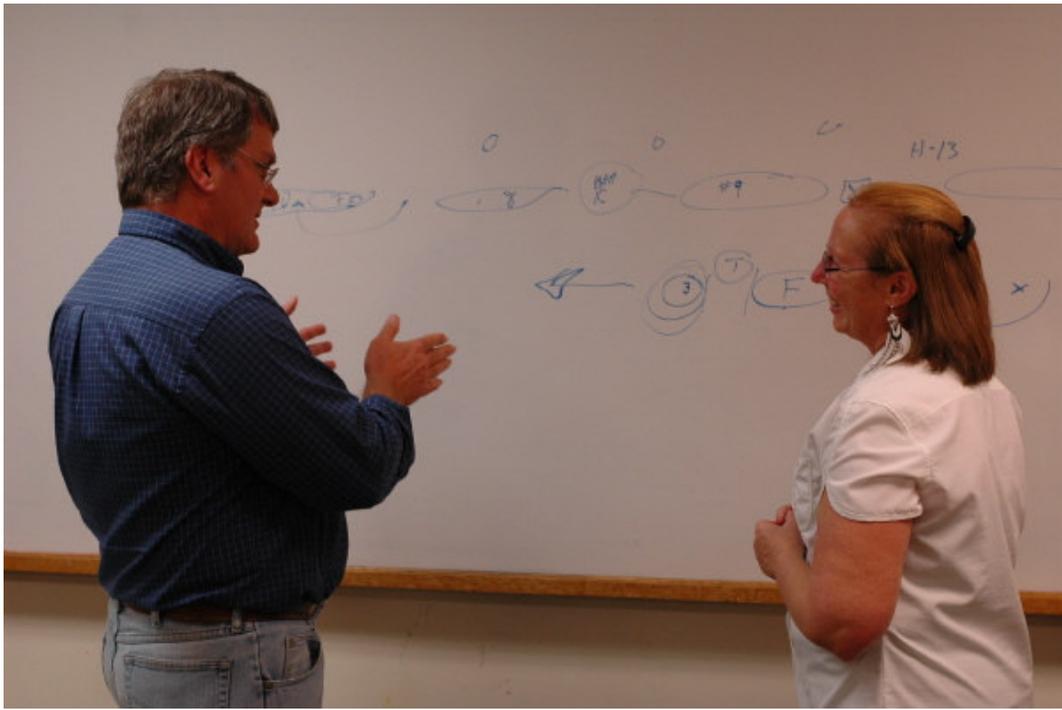
**Time:** 09:00 am  
**Location:** Riverdale Fire Station  
**Topic:** **Cindy Yorgason - KE7HYL**  
(National Bicycle Race Marathon Official)

She is an Amateur Radio License holder and does a lot with bike racing. She will talk about how the two have been mixed and her involvement.

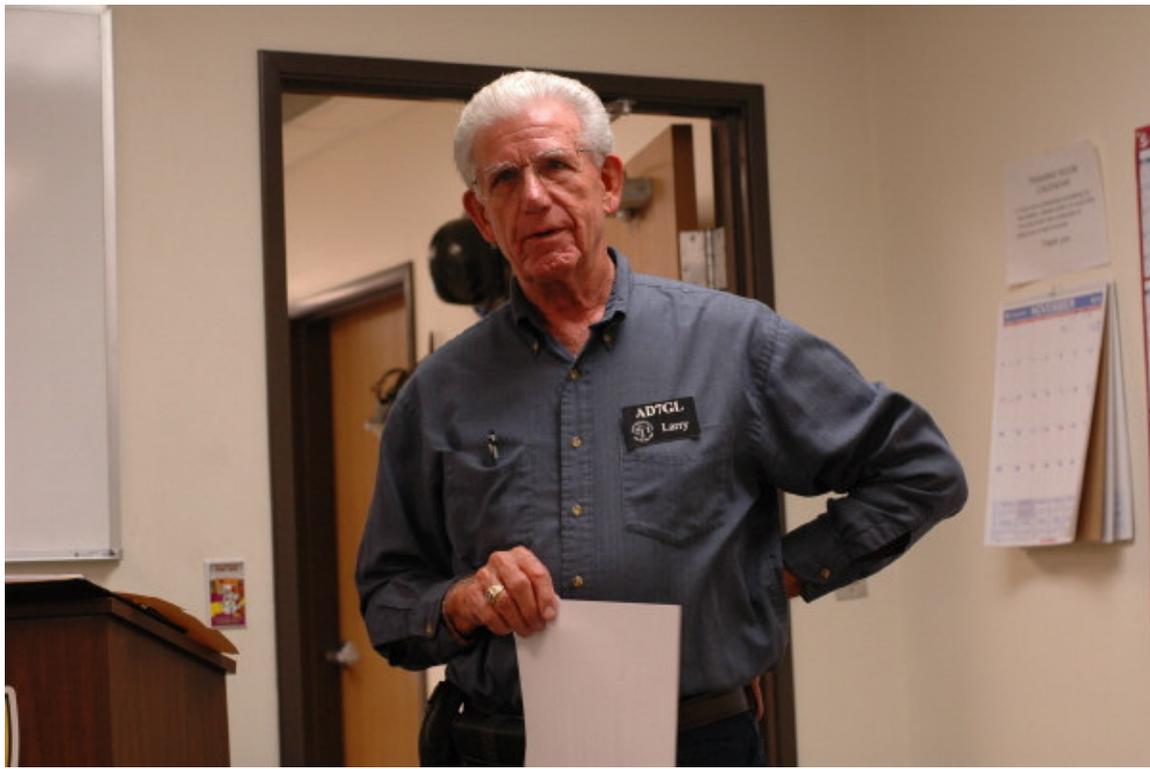
Cindy says... I have a Mechanical Engineering Degree and moved to Utah from Ohio to work at the rocket factory. I have over 30 years as a Quality Engineer at different industries. I also became interested in cycling over 30 years ago and eventually became a Bicycle Race Official. I am now a National Level Official for event on both the Road and Track and work events across the US.

During my years as an official, I would occasionally come across an event that was using local ARC at their events. I would help them understand what we needed from them and eventually teased that "next year I would have my license". I finally got it, KE7HYL, and started to work other events that also used HAMS including the SL Marathon and new Utah Marathon.









## NEXT CLUB MEETING

3<sup>rd</sup> Saturday 15 December 2012

Activity     **OARC Family Dinner**  
Time:        **6:00 PM**  
Location:    **Moore's Family Restaurant (up stairs)**  
               **2490 South 1900 West Ogden**  
               **(Order from menu - prices vary)**

GRAND DOOR PRIZES:

[Paid-up members only, sign-up/renew membership at meeting]

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PLACE YOUR AD HERE

Just Kidding

# 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](#). Instructions for mailing it are on the form.

**DUES:** Dues are \$15.00 per person and runs September - August. Additional family members are \$8.00 each.

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

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## Club Badges

OARC Club badges are still available for all club members and non-members. The cost is \$8.00 each. You can order the badge with either a "PIN" clip or 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. See example below.



Place your order along with \$8.00 in advance for each badge ordered and specify Pin or Magnet style fastener, Call Sign and First Name.

Contact any club officer via email or see them at the next club meeting. See web site [www.ogdenarc.org](http://www.ogdenarc.org) "Club Officers" page.

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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**.

## QST's and QRM from LARRY'S SHACK



**Larry Griffin AD7GL President**

### QST'S and QRM from Larry's shack

It is that magical, happy time of the year again. I hope this writing finds you and yours settled in for a wonderful Christmas and New Year's holiday season.

Speaking of the Christmas Season, Gil, NG7IL has become involved with very worthwhile effort. Gil and some ham operators from Morgan are organizing and participating in an event called "The North Pole Network". They will be taking ham radio to the rooms of hospital bound children. The children will be able to communicate with Santa via amateur radio. The protocol they use is customized for each child. You can get more detailed information by doing a Google search of "North Pole Network". If you would like to put your radio skills to work, Gil and team could use help. Gil's e-mail address is [gleonard4829@msn.com](mailto:gleonard4829@msn.com).

If you know anyone that is interested in getting their Technician License, our club is hosting a "no cost" class in January. The class will be conducted by Gil, NG7IL our Vice President. The class will be on Wednesday evenings from 7:00 to 9:00 PM and will run from January 2nd to January 30th. The class will meet at The Weber County Sheriff's complex training room. Testing will be on February 6th at 5:00PM. Full information is available on the club website.

Our annual Club Christmas Dinner will be held this year on Saturday, December 15th. This year we will be at Moore's Family restaurant. The main door prize will be a Tigertronics Signal Link interface. We sincerely hope that everyone and their family can join us for this fun event. Look on the club website for complete information.

I am very happy to part of our great Ogden Amateur Radio Club. I hope to be able to see everyone at our Club Christmas Dinner. One behalf of me and my household, I would like to wish everyone a Merry Christmas and a fun, prosperous New Year.

Thank You,

73, Larry

# CLUB NEWS

**NEW!** Next OARC Technician Licensing Class ...

**January 2013 - Wednesday evenings @ 7:00 PM**

**Weber County Sheriff Office - Training room  
721 West 12th Street, Ogden UT**

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**Next VE Test Session in Weber County ...**

**NEW!** Test Location change

**VE Test Session >>> 1st Wednesday 06 February 2013 @ 5:00 PM**

**Weber County Sheriff Office - Training room  
721 West 12th Street, Ogden UT**

**Contact:** VE Liaison - Rick Morrison W7RIK ([morrisonri@msn.com](mailto:morrisonri@msn.com)) (801-791-9364)

(IT) - Jason Miles KE7IET

(Advisor) - Mary Hazard W7UE ([w7ue@arrl.net](mailto:w7ue@arrl.net)) (801-430-0306)

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## Ogden Amateur Radio Club Technician Course 2013

When: January 2, 9, 16, 23, 30

Where: Weber County Sheriff Training room.  
721 W. 12<sup>th</sup> Street, Ogden

Time: 7:00 P.M. to 9:00 P.M.

Cost: There is no cost to attend the course. Materials needed for the course can be downloaded in .pdf form for no cost from:

[www.kb6nu.com/wp-content/uploads/2010/06/2010\\_Tech\\_Study\\_Guide.pdf](http://www.kb6nu.com/wp-content/uploads/2010/06/2010_Tech_Study_Guide.pdf)

"No- Nonsense, Technician Class License Study Guide"

A limited number of printed manuals will be available for \$12.00 ea and will be bought back at the end of the class if returned in good condition.

Print, e-book, Amazon Kindle, and Barnes&Noble Nook versions are available at:

[www.kb6nu.com/tech-manual/](http://www.kb6nu.com/tech-manual/)

Testing: There will be a test session following the course on Wednesday February 6, 2013 at the same location beginning at 5:00 P.M. Test cost is \$14.00 and will require two forms of I.D. Cost includes testing fee and license application to FCC. Walk ins are also welcome as are anyone wishing to up-grade. If upgrading, please have a copy of your license and any CSCE's.

Goals: The main goals of this course are to:

- Help students prepare for and pass their license examination
- Establish a basic understanding of radio, radio use, and operation.
- Prepare students to make their first radio contact.
- Introduce different operating modes.
- Help students find organizations to further their radio skills and opportunities
- Encourage further study of Amateur Radio

Who: This class is open to any interested individual.

Contact: [ng7il@arrl.net](mailto:ng7il@arrl.net) Gil Leonard

Register: Pre-registration is requested but not required. Walk-ins are welcome. Please include:

Name and e-mail address, with "Tech Class" in the subject line.

Students: Students are expected to:

- Have access to manual listed above.
- Read appropriate chapters before class. First night chapters (Jan 2): "What is Amateur Radio?, and Electrical principles".

Class: The class time will be divided between; questions and discussion of chapters; short lecture relating to material studied or related aspect of Amateur Radio, demonstrations.

Questions: Please contact Gil Leonard NG7IL at [ng7il@arrl.net](mailto:ng7il@arrl.net)

Web site: [www.ogdenarc.org](http://www.ogdenarc.org)

## MORE CLUB NEWS

Submitted by Scott Willis KD7EKO



### Mt Ogden Repeater Site

This is another picture that Scott Willis KD7EKO and Mike Fullmer KZ7O took from the Mt Ogden repeater site during their recent visit to the site to do necessary repairs.

Scot and Mike are the OARC repeater engineers that keep our club repeaters at Mt Ogden and Little Mountain operational.

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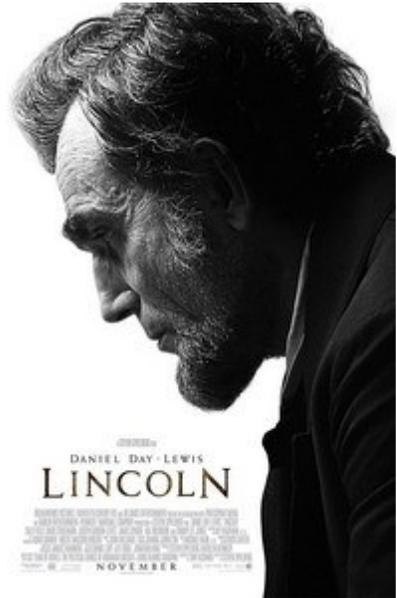
## HOBBY NEWS

### ***Ham Radio in Hollywood: Morse Code Plays Role in New Spielberg Movie***

ARRL November 29, 2012

Producer Steven Spielberg has used Amateur Radio or Morse code in three of his last four movies: *Super 8* (2011), *The Adventures of Tin Tin* (2011) and *Lincoln* (2012). Members of the Morse Telegraph Club -- an association of retired railroad and commercial telegraphers, historians, radio amateurs and others with an interest in the history and traditions of telegraphy and the telegraph industry -- played an integral part in the production of *Lincoln*.

"Nine of the 16 telegraph stations depicted in the War Department were fully operational," explained Morse Telegraph Club International President James Wade, WB8SIW. "These instruments could be operated in any combination through the use of a specialized computer program and custom-built terminal units for the process. When necessary, a hand key could be inserted in the individual telegraph loops so messages could be improvised."



# FEATURE ARTICLE

By Dan KB6NU

## KB6NU builds an end-fed, half-wave antenna

I've always been interested in end-fed, half-wave antennas before, but until this recently, I'd never built one. One of the reasons for this is that most designs are for QRP antennas and not made to handle more than 5 - 10 W of power.

A couple of months ago, though, I ran across a design rated at 100 W ([http://earchi.org/proj\\_homebrew.html](http://earchi.org/proj_homebrew.html)). The design seemed relatively simple to build, requiring only a single toroid and a capacitor made with a short length of RG-174 coax. Well, it just so happens that I bought 100-ft. of RG-174 at Dayton this year, and I found the toroid cores online from the "Toroid King" for a very reasonable price, so I decided it was high time to build one.

All told, the parts cost about \$10, the biggest part of that being a 4-in. x 4-in. x 2-in. plastic junction box (Carlson E989NNJ-CAR) I got from Lowe's for \$6.41. Compare that with the \$60 that LNR wants for their end-fed antenna.

I put up the antenna about three weeks ago, on a beautiful fall Sunday, running 34 feet of wire up a trellis attached to a small deck in my backyard, then out to a tree near the back of my lot. With more than a little anticipation, I put the antenna analyzer on it, only to be somewhat disappointed with the readings. The SWR was 2.6:1 at 14.000 MHz, dropping to about 1.5:1 at 14.900 MHz.

Since the internal tuner on my IC-746PRO is supposed to be good to 3:1, I did use it and made a couple of contacts. A guy in MA even gave me a 599 signal report. So, while I was a little uncomfortable with an SWR so close to the limit of my tuner, it did seem to radiate pretty well.

I e-mailed the guy who published the design and asked why he thought the resonant frequency was so high, and he said that all I had to do was add a couple feet of wire to the antenna. I also did some more reading about end-feds and several websites suggested that adding a counterpoise might be a good idea, too.

A week later, I finally got back to playing with the antenna. I added 24-in. of wire to it, and it did indeed bring down the SWR of the antenna to below 2:1 in the CW portion of 20m. I'm happier with this. I made a couple of contacts that day, too, with both stations giving me good reports.

I still do plan to try a counterpoise. Not so much to improve the SWR, but to see if it makes the antenna a little more efficient.

Overall, this has been a fun project. I learned something about end-fed, half-wave antennas and saved a bunch of money by rolling my own. Isn't that what ham radio is all about?

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When he's not messing with antennas, Dan, KB6NU publishes the "No-Nonsense" series of amateur radio license study guides. The latest in this series is the No-Nonsense Extra Class License Study Guide. For more information, go to KB6NU.Com or e-mail [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

# ANNOUNCEMENTS

## Next Club Meeting:

**3<sup>rd</sup> Saturday 15 December 2012**

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

**Time: 6:00 PM**

**Location: Moores Family Restaurant**  
2490 South 1900 West Ogden

**Activity: OARC Family Dinner**

- **Talk-in: -146.90 (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 06 February 2013**

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

**Time: 05:00 PM** *Walk-ins allowed*

**Location: New for 2013**

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

**Contact: VE Liaison:**

**Rick Morrison W7RIK** [morrisonri@msn.com](mailto:morrisonri@msn.com)  
(801-791-9364)

**Jason Miles KE7IET**  
(IT)

**Mary Hazard W7UE** [w7ue@arrl.net](mailto:w7ue@arrl.net)  
(advisor) (801-430-0306)

**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.

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## 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.

You do not need to join the club to participate with us.

## 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	ZONE	LOCATION
146.820-	OARC	123.0	Mt Ogden
448.600-	OARC	123.0	Mt Ogden
146.900-	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	ZONE	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
ATV	UARC	Ch-58	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
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 County	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 ARES	<a href="http://ogdenarc.org/join.html#ares">ogdenarc.org/join.html#ares</a>	2 <sup>nd</sup> Thursday 06:30 pm	Weber Co. Library Ogden Utah
WC Sheriff Comm-O		1 <sup>st</sup> Saturday 10:00 am	Weber Co. Sheriff Complex West 12 <sup>th</sup> Street Ogden Utah
Barc	<a href="http://barconline.org">barconline.org</a>	2 <sup>nd</sup> Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSERG	<a href="http://dcarc.net/ares.htm/">dcarc.net/ares.htm/</a>	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	<a href="http://dcarc.net">dcarc.net</a>	2 <sup>nd</sup> Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	<a href="http://home.comcast.net/~noutares/">home.comcast.net/~noutares/</a>	3 <sup>rd</sup> Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	<a href="http://xmission.com/~uarc/">xmission.com/~uarc/</a>	1 <sup>st</sup> Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
GSarc	<a href="http://Ubetarc.org">Ubetarc.org</a>	Check Website	Check Website
Utah DX Association	<a href="http://udxa.org">udxa.org</a>	3 <sup>rd</sup> Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	<a href="http://ussc.com/~uvhfs/">ussc.com/~uvhfs/</a>	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	<a href="http://westdesertarc.org/">westdesertarc.org/</a>	1 <sup>st</sup> Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	<a href="http://arcweber.edu">arcweber.edu</a>	3 <sup>rd</sup> 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 <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	147.060 = simplex
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 @ 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 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> 3 <sup>rd</sup> Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz <b>HF LSB</b>

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*OARC OFFICERS*

President: Larry Griffin AD7GL

Vice Pres: Gil Leonard NG7IL

Secretary: Gary Hudman WB7FMS

Treasurer: John Shupe K7DJO

Program Director:  
Rich Kennedy KF7VAQ

Activity Director:  
Dave Woodcock WY7P

*"WATTS NEWS" e-Magazine*

NL Editor: Val Campbell K7HCP

*OTHER CLUB APPOINTMENTS*

Webmaster: Val Campbell K7HCP

Historian/Librarian: Kent Gardner WA7AHY

Advisor: Kim Owen KO7U

Advisor: Kent Gardner WA7AHY

Advisor: Stan Sjol WOKP

Photographer: John Shupe K7DJO

QSL Manager: John Shupe K7DJO

Equipment Manager: Val Campbell K7HCP

Repeater Engineer: Mike Fullmer KZ7O

VE Liaison: Richard Morrison W7RIK  
Jason Miles KE7IET (IT)  
Mary Hazard W7UE (advisor)

Club Call Sign Trustee: Larry Griffin AD7GL

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**73 es cul de W7SU**

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