



# WATTS NEWS



## The Best of Amateur Radio

*Welcome to the OARC e-Magazine*

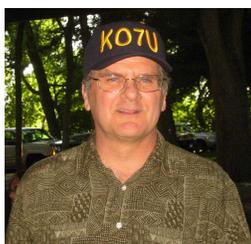
[www.OgdenArc.org](http://www.OgdenArc.org)

**APRIL 2010**

Next Club Meeting

**3rd Saturday 17 April 2010**

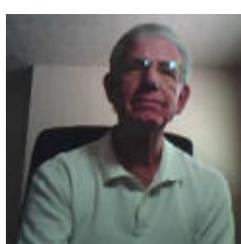
**Topic:** HF 101 (HF for Beginners) by Val Campbell K7HCP



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Val Campbell K7HCP  
Webmaster/NL Editor

## PREVIOUS CLUB MEETINGS

3rd Saturday 20 March 2010

### Mel Parks NM7P – ARRL Section Manager

Mel is the ARRL Section Manager for the Utah area. He spoke to the OARC club members at the March meeting on several subjects of interest related to Amateur Radio, the ARRL and the FCC.

One topic of interest was the "Official Observer" program. The "OO's" are assigned to monitor the ham bands and provide an early but friendly warning to any hams that might be operating improperly. A warning from an "OO" is much preferred to receiving a letter or a visit from the FCC regarding any potential violations.

Another topic of interest was on the subject of "Appropriate use of Amateur Radio" and avoiding any inappropriate business usage.

There was also some discussion about the "Local Interference Committee" and a little known "Amateur Auxiliary" program.

Another interesting thing, Mel mentioned was that the Ogden Amateur Radio Club (OARC), is the 2nd oldest "ARRL Affiliated" club in Utah, established in 1924. Now that makes me feel real old.

Thanks Mel. Come visit us again soon.



## NEXT CLUB MEETING

**When:** 3rd Saturday 17 April 2010

**Time:** 9:00 AM

**Location:** Riverdale Fire Station

**Topic:** HF 101 (HF for Beginners) by Val Campbell K7HCP

Come and enjoy an extensive but enjoyable Power Point Presentation about Amateur Radio in the HF spectrum (the Short Wave bands). Find out about how HF can be used by ALL licensed hams, regardless of license class to communicate around the world. The presentation utilizes many full color slides, pictures, graphs, charts, tables and audio sound bytes and a live hands-on demonstration of this fascinating hobby.

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### "SALE" or "WANTED" ITEMS NEEDED

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

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

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### OARC / ARES Coming Events Calendar

May 1st = 7QP QSO Party Contest

May 1st = ARES Swap meet @ 08:00 AM

(Pleasant View Park Bowery - PV Dr & 900 West)

May = Ares Marathon

June = Wasatch Back

June = Pony Express - See DcArc for details

(150th Annv - Travel from West to East - 48 hrs in Utah)

## CLUB BUSINESS

### OARC SPECIAL EVENT STATION

The OARC has made arrangements to operate an ARRL special events station at **Promontory Point for the Golden Spike Celebration** on the weekend of **May 8 thru May 10, 2010**. We are listed on the ARRL website - Special Events. We will also be listed in May QST as well. The OARC's special event call sign for that weekend will be **"W7G"**

[www.arrl.org/contests/spev.html](http://www.arrl.org/contests/spev.html)

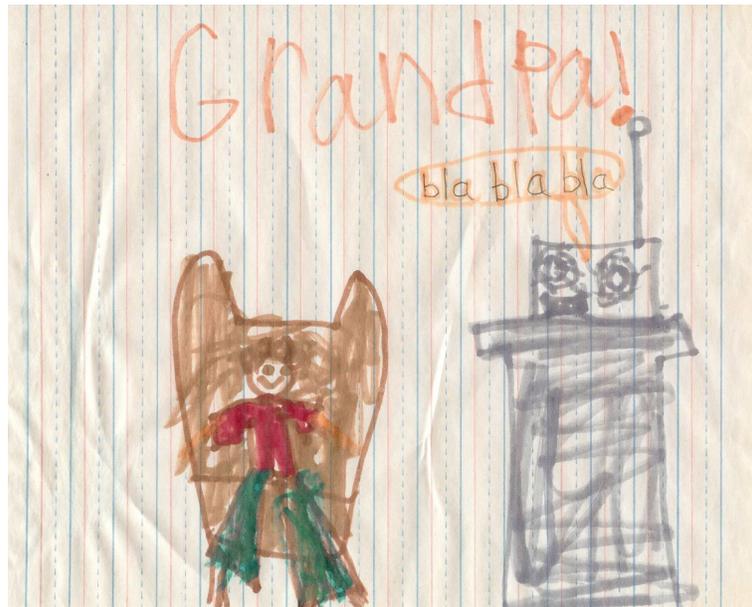
**May 8-May 10, 1500Z-2300Z**, Ogden, UT. Ogden Amateur Radio Club, W7G. 141<sup>st</sup> Transcontinental Railroad Golden Spike Commemorative. **14.285 Mhz and 7.250 Mhz**. QSL. Ogden Amateur Radio Club, PO Box 3353, Ogden, UT 84409. [OgdenArc.org](http://OgdenArc.org)

More information will be presented at the next club meeting. A special thanks to Kent Gardner WA7AHY for working out the details.

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## MORE CLUB BUSINESS

**An eight year old granddaughter's view of her  
Amateur Radio operator grandpa.**



Grandpa, sitting in easy chair listening to ham radio (box with the antenna on top) wondering if there is intelligence being communicated in the "bla bla bla" coming from the radio speaker.

Kent WA7AHY

## FROM KIM'S SHACK



Kim Owen K07U



From Kim's Shack.....

An OARC group went down to Salt Lake City and toured KSL TV, 100.3 and 103.5 last week. Did anyone as they were watching the 6:00 PM News, notice a flash of light? I'll let Val explain that one. I was very impressed. It gave me some ideas for my Shack. For one, you put your station in the middle of the room instead of the corner. It's real easy to get behind your equipment to see what the cables are connected too. For another, I think I'm going to call "My Shack", "My Studio" in the future. After the tour we went over to the Gateway and had dinner. It was a fun and interesting evening.

We have about four weeks until our Special Event Station (W7G) goes on the air at the Golden Spike National Historic Site. For those that want to participate, we will be operating in two hour blocks with a two person team; one logging and the other operating the radio. We will have some information at the station about the Golden Spike event and a script for calling CQ and QSL information.

From the ARRL Special Event announcements at: <http://www.arrl.org/contests/spev.html>

**May 8-May 10, 1500Z-2300Z**, Ogden, UT. Ogden Amateur Radio Club, W7G. 141<sup>st</sup> Transcontinental Railroad Golden Spike Commemorative. 14.285 & 7.250. QSL: Ogden Amateur Radio Club, PO Box 3353, Ogden, UT 84409. *Times are daily.* [ogdenarc.org](http://ogdenarc.org)

Saturday's meeting will be a great prelude to our upcoming events. Val will be explaining HF 101 (HF for beginners). I'm anxious to see this one. From my tennis days, whenever my forehand or server went south, I'd always go back to the basic fundamentals. Val will cover the basics and provide some tips from the experts that all of us will enjoy.

I hope to see you there.....

73 de Kim/K07U

# HOBBY NEWS

## K7DXZ (sk)

Some of you might remember Scott from the 146.62 SLC repeater.



Scott John Thomson 7/8/1960 ~ 3/27/2010 Scott John Thomson died Saturday, March 27, 2010 in Salt Lake City. He was born July 8, 1960 in Salt Lake City. He attended Brighton High School and graduated 1978. In the years 1979-1981 he served a mission for The Church of Jesus Christ of Latter-day Saints in Philadelphia, Pennsylvania. He attended the University of Utah, Ricks College and the University of Maryland.

On March 22, 1982 he married Tammy Tucker in the Jordan River Temple. They had two children, Christopher and Trichelle, and were later divorced. Scott was a meteorologist for the Air Force for 10 years and was honorably discharged. He has worked for Quest Communications for the past 12 years. Scott loved chatting it up with his Ham Radio buddies and anything to do with electronics. He also loved anything to do with the outdoors including camping, hunting, fishing and hiking. His two grandchildren, Justin and Phoenix, loved their grandfather dearly and will greatly miss him! He is survived by his children, Christopher Thomson (Dusty) and Trichelle Thomson; his parents, Mel and Chell Thomson; his siblings, Denise Thomson, Michael Thomson (Angee) and Julie Thomson Nethercott (Bill); his grandchildren, Justin Thomson and Phoenix Thomson; and several nieces and nephews. The funeral will be held on Saturday, April 3, 2010 at 12:30 p.m. at the LDS chapel located at 2400 East Alta Canyon Drive in Sandy, UT. A viewing will be held at 11:30 a.m. prior to the funeral at the same LDS chapel. Interment Sandy City Cemetery. Online condolences may be shared at [www.cannonmortuary.com](http://www.cannonmortuary.com)

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## MORE NEWS

### How many Hams does it take to run a Packet Station?

by Ray White K7RFW

On 28 March 2010, the OARC's Kipor generator went to Antelope Island to support the annual Buffalo Run. It was stationed at the Garr Ranch to support the packet station there. In the process of doing so, it managed to power a soldering iron to repair a bad connector, charge up the batteries, and restore laptops to operational use. Also, each of the four Ham Radio operators had something to contribute to get the 440 MHz voice link and the 144 MHz packet link up. Murphy says, "if it can go wrong, it will", and it took all of us to over-ride him.

A fun time was had by all, despite the start up pains and the wind. 93 runners managed to reach us at the 32.8 mile mark of the 50 mile run. Calls for additional supplies were made as well as keeping track of the runners so that in the event of an accident, a smaller area would need to be searched.

(BTW, it is probably called the Buffalo Run because if the runners get too close to a cow and her calf, the buffalo will run...at the runner!)



Pre-operational repair. The cold wind drove the solder station to a vehicle to get enough heat to solder.



Kipor standing tall in the grass working hard.



The packet and support stations ready to report the runners as they show up and to request any aid from the start line on the other side of the Island. The four station operators, two of the radio co-coordinators, and some of the race aid station staff are shown in the picture.



You would think with all that battery you would not need the Kipor, but charges were not checked and DC to DC converters throw out a lot of RF hash that affect even 440 MHz.



The runner aid station that was being supported with a 20 meter Buddipole Vertical in the background.

Ray White K7RFW

# FEATURE ARTICLE

## HOW TO BECOME A HAM

It might be easier than you think!

By Val Campbell K7HCP

Amateur Radio Operators, sometimes called Hams, are licensed by the US Government, Federal Communications Commission (FCC). The FCC has authorized Amateur Radio Volunteer Examiner Coordinator (VEC) originations to coordinate Volunteer Examiner (VE) test sessions held in our local communities and conducted by volunteer examiners, your fellow Hams, local to your neighborhood. All that is required is to pass a written exam of a few dozen multiple choice test questions with a score of 74% or greater. No Morse Code required. Then within 5 business days of passing your VE session test element the FCC will issue you your new call sign. That is all there is to do to become a HAM. Let the fun begin.

### SO LET'S GET STARTED

The Ogden Amateur Radio Club (OARC) facilitates 3 or more VE test sessions in Weber County each year. Three of the test sessions are pre-scheduled on the 1st Wednesday of February, June and October each year in downtown Ogden, at the Weber Center located at 2380 Washington Blvd, room #112 at 5:00 PM.

Additional VE test sessions may also be scheduled to support some special events such as a local Hamfest or Swapmeet that may take place in any given year. A VE test session may also be scheduled to follow the conclusion of some of the larger OARC sponsored Amateur Radio licensing study classes that may occur at various times throughout the year.

Currently OARC strives to conduct 2 license study classes a year, one in the spring and one in the fall. At least one of these study groups each year is for Want-To-Be Hams, with focus on the entry level license, the Technician Class license. Other licensing study session classes may focus on General Class or Extra Class license up-grades if not also supporting the entry level Technician Class license. The location of OARC license study groups/classes varies from class to class. The last few classes have been held in a local Library class room. For up to date information and details visit our club website at <http://OgdenArc.org>.

### BUT WHY WAIT?

You may not want or need to wait for the next licensing class for you to get started. Two different publishers provide books to assist you with your self

directed studies, regardless of license class desired. The ARRL (<http://ARRL.org>) book store has ARRL publications, manuals for TECHNICIAN (element 2), GENERAL (element 3) and EXTRA (element 4) class licenses.

Gordon West (WB6NOA) publishers (<http://GordonWestRadioSchool.com> or <http://W5YI.org>) also publish manuals for each license class. You may want to look for any of these publications on <http://Amazon.com> or at Barnes and Noble book stores. Additionally, the Davis County Amateur Radio Club (DCarc) and the Utah Amateur Radio Club (Uarc) book stores may also have these manuals available for purchase. Then last but not least, Utah's only Ham Radio Store, Communication Products <http://www.comproducts.net/> (Bob Wood) at 7650 South Redwood Road in SLC also carries a limited inventory of some study material.

### WHICH IS BEST?

Which of the two publisher's manuals are the best, you ask. Well, it's a matter of preference. The ARRL publications tend to provide in depth documentation and technical information surrounding each study question along with the 4 multiple choice answers. If you want to learn, really learn, the material and end up with a complete understanding of the material presented then this is the preferred method of study.

On the other hand, Gordon West tends to get right down to business presenting the study test questions the 4 multiple choice answers, just as they appear in the actual VE test and then indicates which of the 4 answers is the correct answer to each question and why.

### ON LINE STUDY TUTORIALS

Another method to quickly learn the test material is to go online. At <http://QRZ.com> you will find a very good online practice study test that will take you through the entire question pool for whichever test element (class) license you desire. The practice test will automatically score your test and guide you through the areas where you need improvement. The online test URL is: <http://www.qrz.com/p/testing.pl>

Two other quality online practice tests are located at <http://AA9PW.com> and <http://HamTestOnline.com> . At the OARC club website <http://OgdenARC.org> homepage you will find a quick link to all three sites.

### THE QUESTION POOL

Each of the license class test elements are comprised of a pool of questions each with 4 multiple choice answers. Typically 2 of the answers are distracters and 2

are reasonable answers. However only one of the two reasonable answers is the correct answer.

The question pool contains at least 10 times as many questions as the actual test that you will be given. For example, element 2, the Tech Class test consists of 35 questions randomly selected from a pool of 390+ questions. Element 3 (General Class) test consists of 35 test questions from a pool of 480+ questions and element 4 (Extra Class) test consists of 50 questions from a pool of over 730+ questions.

Each year, one of the license class (elements) test pool of questions/answers is updated. The following year another license class (element) test pool will be updated. Therefore every three years each of the 3 question pools comes up for review and update. Then the results are re-published (see ARRL or Gordon West/W5YI publications above). So be sure to get the most current publication available for any of the test elements because the content changes somewhat every three years as the question pool/answers are updated over time to keep up with changes to rules and regulations and technology advances.

### **COME OUT AND JOIN THE FUN**

Every 3rd Saturday OARC members, visitors and guests meet to share their mutual interests in this exciting hobby called Ham Radio.

Regardless of your specific interests in the hobby, be it, world wide communications on the short wave bands or local communications via mountain top repeaters, this hobby has something to offer you. Some are interested in participating in the hobby to support emergency communications preparedness for civic, church or public service originations. ARES and RACES are two national originations that promote this kind of activity.

Others simply enjoy sharing the technical challenge that the hobby has to offer and the life long friendships that we establish participating in the endless list of exciting activities that Amateur Radio offers.

Mark the 3rd Saturday on you calendar and come visit us at the next Ogden Amateur Radio Club (OARC) meeting. Visitors are always welcome.

73, Val Campbell K7HCP

# ANNOUNCEMENTS

## Next Club Meeting:

**3rd Saturday 17 April 2010**

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

- **Time: 9:00 AM**

- **Location: Riverdale Fire Station**

**Topic: HF 101 (HF for Beginners)**  
**By Val Campbell K7HCP**

- **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 02 June 2010**

- 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:**

**WEBER CENTER**  
**2380 Washington Blvd,**  
**Room # 112**  
**OGDEN, UT 84401**

**Contact: VE Liaison:**

**Mary Hazard** [w7ue@arrl.net](mailto:w7ue@arrl.net) (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-	UBET	123.0	Brigham City
145.430-	UBET	123.0	Thiokol
448.300-	UBET	123.0	Thiokol
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
Ogden ARC	<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 09:00 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
Ubet	<a href="http://27meg.com/~k7ub/">27meg.com/~k7ub/</a>	4th Thursday 6:30 pm	BE-Thiokol: 24 East 100 South Brigham City Utah
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)
WD Arc	<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	UBET 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	UBET 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: Kim Owen KO7U

Vice Pres: James Clarke KD7SWL

Secretary: Larry Griffin AD7GL

Treasurer: Jeff Anderson KD7PAW

Program Director:  
Justin Doxford KE7ROQ

Activity Director:  
Tom Harrington AF7J

*"WATTS NEWS" e-Magazine*

NL Editor: Val Campbell K7HCP

*OTHER CLUB APPOINTMENTS*

Webmaster: Val Campbell K7HCP

Past Pres Advisor:  
Kent Gardner WA7AHY

Board Advisor: Stan Sjol WOKP

Repeater Engineer: Mike Fullmer KZ7O

VE Liaison: Mary Hazard W7UE

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**73 es cul de W7SU**

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