

# WATTS NEWS



**The Best of Amateur Radio**

*Welcome to the OARC e-Magazine*

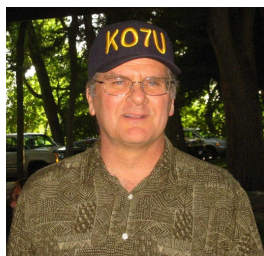
[www.OgdenArc.org](http://www.OgdenArc.org)

**AUGUST 2012**

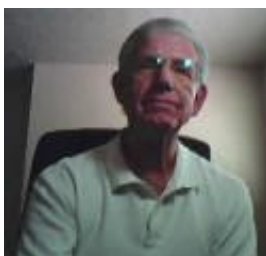
Next Club Meeting/Activity

**3<sup>rd</sup> Saturday 18 August 2012**

Topic: **Steak Fry + Elections**



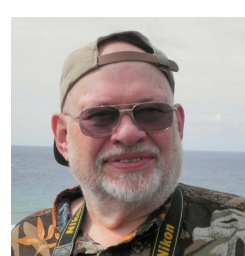
Kim Owen K07U  
President



Larry Griffin AD7GL  
Vice President



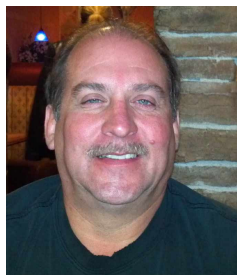
Gary Hudman KB7FMS  
Secretary



John Shupe K7DJO  
Treasurer



Gil Leonard NG7IL  
Program Director



Dave Woodcock WY7P  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

# PREVIOUS CLUB MEETINGS

3<sup>rd</sup> Saturday 21 July 2012

## "T"-Hunt + Breakfast in the Park

The Fox Hunt was fun and the Breakfast was exceptional. James Clarke was the cook this year. Thanks James.

The hidden transmitter was hiding at Kayak Park just north of Fort Buenaventura. Mike Fulmer KZ7O found it first and in only thirty minutes. He has a magic 2 meter loop antenna that he made from a home-brew project. Way to go Mike.





# NEXT CLUB MEETING

Date: 3rd Saturday, 18 August 2012

Time: **05:00 pm**

Location: Shady Lane Park [Map](#) (600 W 3000 N Pleasant View Utah)

Activity: **Steak Fry, Officers Elections & Membership Renewal and Auction**

Note: **Please bring side dish to share.** Also, bring your own dinner-ware (emergency paper-ware provided).

- Steak Fry (\$5/steak); Free hamburgers and hot dogs for the kids
- Membership Renewal (\$15); Additional Family Members (\$8)  
Note: 1st year membership is free to newly licensed hams
- Bring items to donate for Auction
- Club Officers Ballot Election; ([Nominations](#) welcomed in advance)

Door Prize (raffle/drawing): **[Paid-up members only, sign-up/renew membership at meeting]**

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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**.

# 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.

## FROM KIM'S SHACK



Kim Owen K07U - President

CQ ALL Members and Friends of OARC

**The Fox Hunt was fun and the Breakfast was exceptional. Jim Clarke is a much better cook than the one we had last year.**

**By the way Jim has a new call sign. Formally KD7SWL, Jim's new call sign is K7JSC. I claim to be his first contact with new call sign. I called him three times before he answered. I think he was still listening for his old call.**

**We were hiding at Kayak Park just north of Fort Buenaventura. Mike Fulmer/KZ7O found it in thirty minutes. He has a magic 2 meter loop antenna that he made from a home-brew project. It works well. Thanks to all those that participated.**

**It's time for our Steak Fry! This is a special time during the year. It is always nice to spend the evening with good food and good friends in pleasant surroundings. We will be in Shady Lane Park.**

**What do you need in you shack? We will be selling it at our OARC benefit auction. There is something there that you must have? You'll have to be there to bid on it.**

**It is also time for our elections. I want to encourage any club member interested club leadership to contact our club secretary Gary/KB7FMS for information.**

**It has been a good year. I want to thank all those that make OARC work. For me, it has been enjoyable working with very capable people that we have on our executive board and staff. And most of all, I want to express a special thanks to our entire club membership that make everything worthwhile.**

**Hope to see you at the steak fry!**

For now,  
73 de Kim/Ko7U

## CLUB NEWS

# *FCC Denies California Ham's Petition Regarding Vanity Call Sign*

**ARRL 08/08/2012**

Two years after Marvin Gin, W6VM, passed away on January 13, 2010, his call sign became available in the FCC's vanity call sign system and eligible for reassignment to those radio amateurs who hold an Amateur Extra class license. [According to the FCC](#), Mario Vesnaver, W6EX, of Laguna Niguel, California, Steven Greathouse, AC6EA, of Akron, Ohio, and others "filed timely applications requesting modification of [their] amateur licenses to reflect call sign W6VM." Greathouse's application was randomly selected and granted on February 4, 2012.

According to paragraph 32 in a 2006 *Report and Order* ([WT Docket 04-140](#)), whenever the FCC receives an application from more than one amateur on the same day requesting a vanity call sign, the FCC uses a lottery mechanism to select the first application to be processed. Via this method, Greathouse's application was the first one selected and he received W6VM.

Vesnaver filed a *Petition for Reconsideration* with the FCC, requesting that the Commission review its decision regarding its assignment of W6VM. "When an amateur is initially licensed, the Commission assigns the station the next available call sign based on the licensee's geographic region and license class [as affirmed in [WT Docket 09-209](#)]" the FCC stated in denying Vesnaver's *Petition*. "You argue that Mr Greathouse's application should not have been granted because, at the time he requested call sign W6VM, he lived in Ohio, which is in the sequential call sign system's 8th call sign district."

The FCC stated that when it adopted the rules for the vanity call sign system, it addressed whether a vanity call sign applicant should be limited to requesting only those call signs for the region where the licensee resides. The FCC chose not adopt such a restriction, noting in [PR Docket 93-305](#) that "'the applicant's choice of vanity call signs would be reduced to ten percent or less of the call signs that would otherwise be assignable to the station. A limitation based upon the person's place of residence, moreover, could easily be circumvented by using a mailing address in another call sign region.' Other than a call sign in Alaska, Hawaii, the Caribbean Insular Areas and the Pacific Insular areas, the licensee of an amateur station with a mailing address in the United States may apply for any available call sign corresponding to an appropriate license class."

Based upon its procedures, the FCC concluded that its assignment of W6VM was "proper" and denied Vesnaver's *Petition*.

# HOBBY NEWS

Don Lewis Griffin W7DMD ... -.- sk

SUNDAY AUGUST 5, 2012 STANDARD-EXAMINER  
Obituaries/Sports 9C

## Donald Lewis Griffin

I, Don Lewis Griffin-W7DMD, became a silent key on July 31, 2012 at Salome, La Paz County, Arizona near Brenda, Arizona.

I was born on February 26, 1934 in Ogden, Weber County, Utah. My parents were Ellis B. and Gwendolyn Jenkins Griffin. I grew up in West Weber and have many fond memories of the area and the people who lived there. I graduated from Weber High School when it was near Washington and 12th Street.

I served in the US Navy in the late 1950's. I served on the US Essex (CVA-9) and as a member of air group VF-114. I made several lifelong friends there. We visited many ports in different countries while on a cruise to the Far East.

After returning to civilian life I met Marilyn Kunz at the pioneer play Promised Valley, where she played the piano and I worked the lights. We were married August 9, 1962 in the Logan LDS Temple.

We raised five children: Kent, Karla, Tana, Donette, and Jacqui. Our family did many fun things together as a family. They took up rock climbing and we did many good climbs together. I recall many memorable ones in the Tetons, City of the Rocks, Joshua Tree, and the sandstone of southern Utah. Thanks for the many good climbs guys.

We took many family trips together, snow machining in the winter, sailing and climbing in the summer. It takes a close-knit family to spend two weeks together in a camper in winter or a sailboat in summer and enjoy it. We had fun.

I attended Weber College and later Utah State University where I graduated in Electrical Engineering. I have worked at Hill Air Force Base, Utah State University, and Westinghouse Electric at the Idaho National Engineering Lab. I have fond memories of the people and the experiences that I have had at these places. It has been interesting.

My outdoor activities have included mountaineering, flying, sailing and snow machining with the family. I served as Scoutmaster in both the Millville and Riverside Wards, and have many great memories of the scouts. Indoor interests have been ham radio, photography, family history and genealogy. I am a 5th generation family genealogist. I appreciate all the work those before me have done.

My mother researched many histories of the early pioneers of the area. She wrote the 1957 West Weber Centennial play that was produced on an outdoor stage, "In the Bend of the River". I have continued that interest by continuing to document West Weber History.

I am survived by my wife Marilyn (N7TFT) and my children, Kent (WB7PYX) and Liz de Forest, Salt Lake City; Tana (N7OEC) and Max Sorenson, Clarkston, Washington; Donette (formerly KC7G-WQ) and Mark Hurst, Layton; Jacqui and John Ruckstuhl, Denver; ten grandchildren; brother Wayne (Ellen) Idaho Falls; and sister, Joan (Harvey) Higley, Farr West.

I was preceded in death by my daughter, Karla; two grandsons; and my parents.

As per my request, Graveside services will be held on Tuesday, August 7, 2012, at 10 a.m. at West Weber Cemetery. Here I will be laid to rest with my daughter, parents, brother, grandparents, great-grandparents, and great-grandmother. Till we meet again. Friends may visit with family on Monday from 6 to 8 p.m. at Lindquist's Ogden Mortuary, 3408 Washington Blvd.

Send condolences to the family at: [www.lindquistmortuary.com](http://www.lindquistmortuary.com)





## GUEST ARTICLE

By Kent Gardner WA7AHY

### Ham License Plate Look-a-Like

With a little imagination, one can replace the I with a one.

It could be that the husband had died and his wife chose this plate.



With the Corvette being black It might also be that the Air Force veteran flew Northrop P61 Black Widows in World War II. They were night fighters/interceptors and were the first to be specifically designed to use radar.



TNX  
Kent, WA7AHY

## GUEST ARTICLE

By Kent Gardner WA7AHY

### Can You Identify These?

These satellite antenna looking dishes are located at 530 West 4000 South in the Ogden Business Depot just East of the Marriot-Slaterville boundary line and close to the Army Reserve Center.



My initial thought was that they were satellite communications antennas because they were near the Reserve Center. After several weeks of driving by them when I was going to visit my father-in-law at the Veterans Home nearby, I finally found someone working there on-site.

I was quite surprised to find that they were solar power generators. One of the workmen on-site was an engineer and was nice enough to brief me on how they operated. The above picture shows a progression of technology. The nearest two were of older technology, but as they progress down the line, each shows newer versions. This site is a test bed for demonstration purposes. This and several other sites in the United States and in other places in the world will test the generators in hot and cold climates and also be a sales tool for the Infinia Corporation with headquarters in Washington State. To find out more, go to [infiniacorp.com](http://infiniacorp.com). The website has some great movies and graphics to show how they work.

This dish is in the safe position. They would normally stay this way overnight and only come to life when the sun comes up so they can begin tracking.



The heart of the system is the Stirling Engine. The concept was discovered by a Scotsman in 1816. Wikipedia explains it like this:

A **Stirling engine** is a [heat engine](#) operating by cyclic compression and expansion of air or other gas, the [working fluid](#), at different temperature levels such that there is a net conversion of [heat](#) energy to mechanical [work](#).<sup>[1][2]</sup> Or more specifically; a closed-cycle regenerative heat engine with a permanently [gaseous](#) working fluid,....

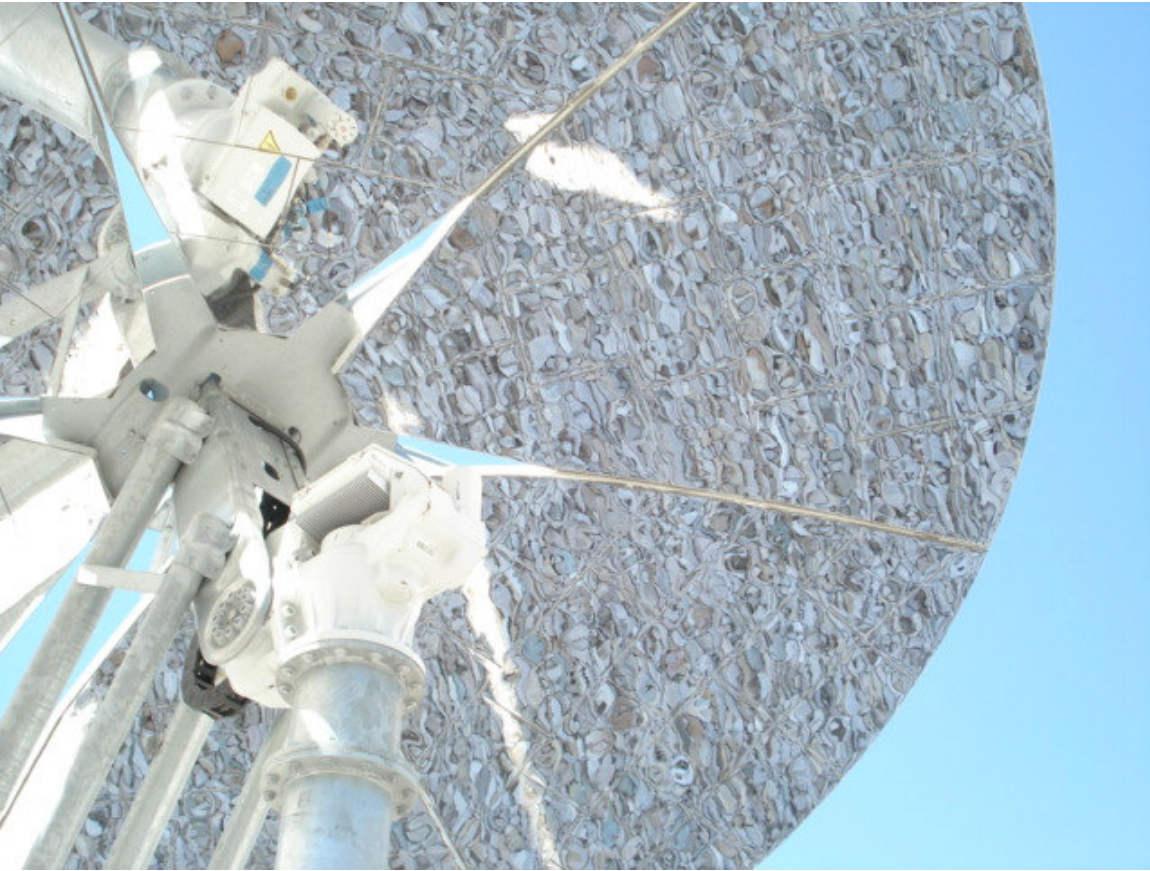
(There is another version. It is a regenerative type)

....Originally conceived in 1816 as an industrial prime mover to rival the [steam engine](#), its practical use was largely confined to low-power domestic applications for over a century.<sup>[3]</sup>

The Stirling engine is noted for its high efficiency compared to steam engines,<sup>[4]</sup> quiet operation, and the ease with which it can use almost any heat source. This compatibility with alternative and renewable energy sources has become increasingly significant as the price of conventional fuels rises, and also in light of concerns such as [peak oil](#) and [climate change](#). This engine is currently exciting interest as the core component of [micro combined heat and power](#) (CHP) units, in which it is more efficient and safer than a comparable steam engine.<sup>[5][6]</sup>

The units shown in the photograph below uses helium as the working fluid.

The parabolic dishes are made out of composites. Mirrors are glued on like tiles so that they fit exactly. The image can be confusing, but you should be able to see what the reflective mirrors look like as compared to the reflected images.



Depending on the temperature/speed of the Stirling Engine, an alternating current (AC) is generated. This varying AC signal is then converted to a Direct Current (DC). It is then inverted back to a compatible AC current that is compatible with the U.S. grid.

The Stirling Engines are not necessarily self starting, so in the morning when the sun comes up they are given a current “bump” from the grid to get them going. When the temperature gets hot enough and the system produces enough, the grid is put off-line or the unit can backfeed electricity back into the grid.

The caution sign gives fair warning to onlookers.



Check these out sometime when you are driving through theOgden Business Depot.

TNX

Kent, WA7AHY

# ANNOUNCEMENTS

## Next Club Meeting:

**3<sup>rd</sup> Saturday 18 August 2012**

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

- **Time: 5:00 pm**

- **Location: Shady Lane Park**

- **Topic/Event: Steak Fry**
- **Plus Elections**

- **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 03 October 2012**

- 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 June & October 2012**

**Ogden Public Safety Building  
2186 Lincoln Ave Ogden Utah**

**Contact: VE Liaison:**

**Mary Hazard**

[w7ue@arrl.net](mailto:w7ue@arrl.net) (801-430-0306)

**Rick Morrison**

[morrisonri@msn.com](mailto:morrisonri@msn.com)  
(801-791-9364)

**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: Kim Owen KO7U

Vice Pres: Larry Griffin AD7GL

Secretary: Gary Hudman WB7FMS

Treasurer: John Shupe K7DJO

Program Director:  
Gil Leonard NG7IL

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: 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: Mary Hazard W7UE and  
Richard Morrison W7RIK

Club Call Sign Trustee: Larry Griffin AD7GL

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**73 es cul de W7SU**

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