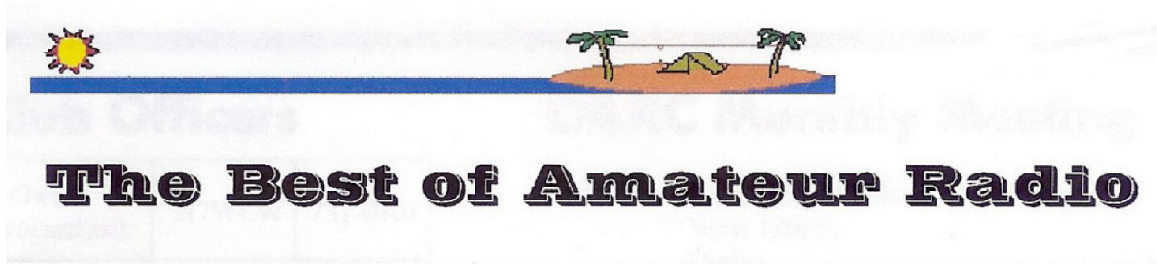




# WATTS NEWS



**The Best of Amateur Radio**

*Welcome to the OARC e-Magazine*

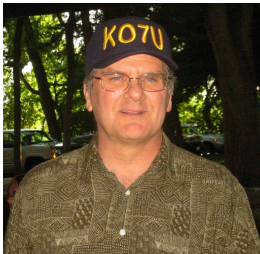
[www.OgdenArc.org](http://www.OgdenArc.org)

**SEPTEMBER 2010**

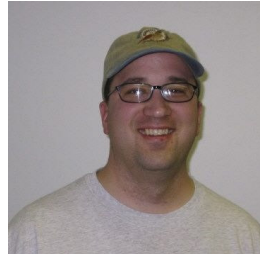
Next Club Meeting/Activity

**3rd Saturday 18 September 2010**

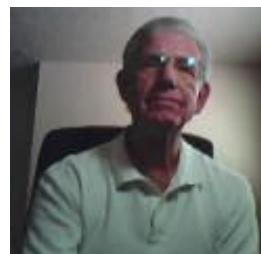
**Activity:** Joint Swap Meet DCarc/Oarc



Kim Owen K07U  
President



James Clarke KD7SWL  
Vice President



Larry Griffin AD7GL  
Secretary



Jeff Anderson KD7PAW  
Treasurer



Justin Doxford KE7ROQ  
Program Director



Jamie Howell KF7LQY  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

# PREVIOUS CLUB MEETINGS

Saturday 21 August 2010

The third Saturday in August is always OARC's Steak Fry outing and officer elections meeting at Shady Lane Park in Pleasant View. This year we had New York steaks for all that wanted and hamburger and hot dogs for the others. Thanks to Jamie and Kent for acting as club chefs and doing a fine business job cooking our meal.

We are grateful that most of last years officers were willing to run for office again this year. The one exception was the office of Activity Director which was filled by a brand new ham, Jamie Howell KF7LQY. In fact he is so new that at the time of the meeting and his picture above he had not yet received his new call sign but I found it on the FCC data base a few days later.

Below are pictures from the event followed by a run down of your new officers and staff appointments. 73, until next year.





Donated by Jeff Anderson KD7PAW

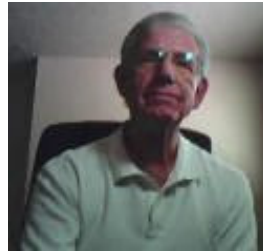
## 2010-2011 OARC Club Officers



**Kim Owen KOTU**  
President



**James Clarke KD7SWL**  
Vice President



**Larry Griffin AD7GL**  
Secretary



**Jeff Anderson KD7PAW**  
Treasurer



**Justin Doxford KE7ROQ**  
Program Director



**Jamie Howell KF7LQY**  
Activity Director

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## Board Support Staff



**Kent Gardner WA7AHY**  
Historian and Advisor



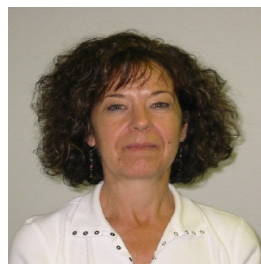
**Stan Sjol WOKP**  
Board Advisor



**John Shupe K7DJO**  
QSL Manager



**Mike Fullmer KZ7O**  
Repeater Engineer



**Mary Hazard W7UE**  
VE Liaison



**Val Campbell K7HCP**  
Webmaster/NL Editor  
and Equipment Manager

## NEXT CLUB MEETING

**When:** 3rd Saturday 18 September 2010

**Time:** 08:00 AM

**Activity:** Joint Swap Meet DCarc/Oarc

**Location:** Bountiful City Park (100 West 400 North Bountiful)

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### Definition of “Amateur Radio”

As found on “Ask Bird” at Bird Technologies Group

Licensed amateur radio operators (also know as ham radio operators) use various types of communications equipment to communicate with other radio operators for training and/or public services. In step with the public safety and telecommunications industry, amateur radio operators support communities in the event of emergency or disaster within the amateur frequency spectrum allocated by the FCC and ITU.

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### RENEW NOW

**August is OARC's annual renewal month, starting with the club steak fry event. Those that we not able to attend the steak fry this year can renew memberships or join for the first time at our next monthly meeting.**

**Another way to renew or join OARC is to print the membership application from the club website (click “Join OARC” from the left side menu) and mail your membership dues to the following address:**

**Ogden Amateur Radio Club  
P.O. Box 3353  
Ogden, UT 84409**

## CLUB BUSINESS

(repeat)

### WANTED - CLUB HISTORY ITEMS

Kent Gardner WA7AHY, our OARC club historian, respectfully requests that anyone that might have any OARC club or radio hobby historical items of interest to please pass them on to him for safe keeping. Kent has done a fantastic job of archiving a history of our club and its members and we would like to see the archive bursting with history of this wonderful club and our fantastic history.

Thank you in advance.

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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 **Obay-Swap**.

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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



CQ ALL Members and Friends of OARC

Here we are at the start of another OARC year!

I recently had a discussion with a new Ham about the topic: "What is Ham Radio". He shared with me a conversation that he had with another Ham. To that Ham, Ham Radio was HF only. He didn't have anything good to say about VHF/UHF modes nor did he have anything good to say about

Amateur Radio public service and ARES groups. And that is okay, because in our hobby we have many technologies and communication modes to explore which always makes our journey interesting.

To me, Ham radio is "D - all the above"; usually choice "D" on a multiple choice tests and a good guess to be the RIGHT answer on all FCC Amateur Radio tests.

So, what is your RIGHT answer and "What is Ham Radio" to you?

Club meeting this month Saturday, September 18 from 08:00 am - 11:00 am will be at Bountiful City Park (100 West 400 North Bountiful). It is a joint swap meet with our friends at DCARC and UARC. There is something at that swap meet that you can't live without. See you there!

Following the swap meet, the OARC board will meet to discuss the OARC activities for the coming year at a restaurant that will be determined at the swap meet. Anyone who would like to join us is welcome. And speaking of the board, we have an excellent group. You can expect some fun activities for the upcoming year. I look forward to work with them!

Also, last month, I failed to recognize our QSL Manager John Shupe K7DJO. He took care of our QSL cards for the Golden Spike Special Event and Field-day. He is also an incredible photographer. This is my favorite:  
Thanks, John!

For now, 73 de Kim/K07U



# CLUB NEWS

## Number of New Hams Continues to Grow

The ARRL reports that more than 18,000 new amateur radio licenses were issued in the first half of 2010, an increase of nearly 8.5% over the same period last year. The number of new licenses issued has climbed significantly each year since 2006, when just over 21,000 newcomers joined our ranks. Last year saw more than 30,000 new licenses issued. Nearly 125,000 new ham licenses have been issued since the beginning of 2006.

The total number of licensees as of the end of June, according to the ARRL, was 694,346.

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## An interesting car repair note

At least for **Dodge and Chrysler van owners**: About a year ago (Nov of 09), the backlighting of my dashboard/instrument cluster went out. The odometer still showed, but at night I was unable to see what my speed was or how much fuel I had etc. I tried tracing the circuits from a Dodge Caravan Repair Book, but was unsuccessful....no bulbs to replace or no bad fuses. I took it to Rocky Mountain Chrysler and the mechanic removed the cluster, found a code error in the computer, reset the code, cleaned out the connector and replaced the panel for \$89.00.

Now a year later, it went out again. I did a search on the internet for "2003 Dodge Caravan backlight problem". Two others had the same situation and one of them suggested that we disconnect both battery cables, touch them together for two minutes and then reinstall them on the battery and the problem with the computer will reset itself. I tried it and, lo and behold, it worked. My backlighting works just fine now. I don't know how long the fix will last, but it saved me another \$89.00 at the dealership. The resetting of the computer code(s) fixed the communications problem that was keeping my backlighting from operating.

TNX Kent Gardner, WA7AHY



## Interesting License Plates

I watch for unusual license plates, particularly amateur or pseudo-amateur plates. This particular one is not particularly related other than it has its origin in mathematics. I had to think about it for a minute, but it finally came to me. Cute huh. (below - left)



Maybe one too many letters? (above-right)

## Another Interesting License Plate

Notice below that there is a zero where an O could be. This makes it a non-ham plate. There is an actual ham in Washington State that has the call AC7ON, but this was just a fun look-a-like.



TNX  
Kent, WA7AHY



## HOBBY NEWS



### Appeals Court Overturns FCC Indecency Rules

The FCC's indecency standards have been left in limbo by a federal appeals court. The U.S. Court of Appeals for the Second Circuit ruled unanimously in July that the FCC could not legally fine broadcasters for "fleeting expletives" that may make their way onto the air during live broadcasts. The FCC had tightened its rules after singer Janet Jackson's infamous "wardrobe malfunction" during the 2004 Super Bowl halftime show, and had issued fines to other broadcasters when various entertainers said naughty words during awards programs.

The court ruled that the Commission's rules went too far and violated the First Amendment, creating a "chilling effect." The judges made a point of saying that they were not questioning the FCC's authority to regulate broadcast standards, only that the current regulations did not pass Constitutional muster. The ruling is significant for hams as well as broadcasters because the FCC generally applies its indecency standards for broadcasters in amateur enforcement cases as well.

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### Obama Promotes National Broadband Plan

President Obama has committed the federal government to finding and freeing up 500 MHz of government and commercial spectrum over the next ten years to help accommodate the anticipated growth of mobile broadband services. The President's plan, which is based on the FCC's National Broadband Plan, would require congressional approval.

UHF and microwave amateur allocations could be affected, as most ham bands above 225 MHz are shared with, and secondary to, government users. Newline reports that fierce opposition to the plan is expected from TV station owners, who feel that giving up any additional spectrum (they already gave up a lot in the switch to digital TV last year) would compromise their ability to transmit multiple programs simultaneously and to provide expanded mobile services themselves.

# GUEST ARTICLE

## 17 meters

BY DAN KB6NU, ON AUGUST 30TH, 2010

I'm happy to report that I'm now on 17m. I don't know really what took me so long—especially since I enjoy working 30m so much—but I finally put together a dipole for 17m and hung it up yesterday.

Yesterday evening, the band seemed to be hopping. The first station I copied was CE3FZ at about an S5. I tried calling him a couple of times, but after no response, I went hunting. I found PY7WC pounding in at S9. After a couple of calls, he became my first 17m contact.

I tried calling a couple other stations, but without success. This led me to believe that my antenna was far from optimal. It is kind of low, but so is my 40m dipole. The 40m dipole works pretty well, and I was hoping the 17m dipole would work well, too.

This morning, however, I had a quite different experience. Even though it was quite early in the morning (1230Z), I punched the 17m button on the IC-746PRO. There wasn't much activity, and what I could hear was kind of weak, but I tuned around until I heard EA1ARV calling CQ. He was barely moving the meter, but I gave him a call anyway. Not only did he hear me, but we had a decent contact.

So, I guess the upshot of all this is that the dipole is not in an optimal position (which I knew anyway), but it does work, and I can make contacts. I'll have to play around with getting it up higher, maybe in an inverted-V configuration. It seems like a fun band to operate, though.

DAN KB6NU

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# FEATURE ARTICLE

## ARRL Comments in FCC Review of CB Rules

09/09/2010

In June the FCC opened a proceeding -- WT Docket No. 10-119 -- “ to simplify, streamline, and update the Part 95 rules to reflect technological advances and changes in the way the American public uses the various Personal Radio Services.” The Citizens Band (CB) Radio Service is one of several Personal Radio Services regulated by Part 95. Three of the CB-related issues raised in the *Notice of Proposed Rule Making (NPRM)* are of interest to the Amateur Radio Service. On September 3, the ARRL filed [comments](#) limited to these issues.

### Citizens Band vs Amateur Radio Equipment

In the *NPRM*, the FCC sought to consolidate the rules pertaining to the modification of certificated CB equipment. The Commission noted that CB equipment that has been modified by the CB operator -- or persons other than the manufacturer -- to operate on unauthorized frequencies or to operate with higher power than authorized often causes interference to other radio services. “ Indeed, there are many recent instances of the operation of modified CB equipment (or equipment imported or manufactured domestically with the inherent capability of operating outside the HF CB channels) by unlicensed individuals in the Amateur Radio Service bands,” the ARRL agreed, saying that this interference most often occurs in the 28.000-28.500 MHz segment of the amateur 10 meter band.

While the ARRL certainly supports the Commission’ s proposal to clarify the Part 95 rules relative to the prohibition on modification of certificated CB equipment, “ much of the problem of misuse of CB equipment is due to the lack of enforcement of equipment authorization and marketing rules, rather than the language of the rules themselves,” the ARRL maintains. “ CB shops and truck stops, for example, are often found to be actively marketing and selling modified or illegally imported equipment which is actually intended to operate not on CB channels, but on amateur or government frequencies between 27.415 MHz and 28.500 MHz. Often, this equipment is not marketed as CB equipment, but instead is marketed inaccurately as Amateur Radio equipment. It is

typically neither used by nor useful to licensed radio amateurs, and it cannot be accurately described as Amateur Radio equipment.”

The rules should, and currently do, prohibit the marketing of unauthorized CB equipment ([Section 95.603](#)) and the modification of CB equipment to add additional transmit frequencies ([Section 95.607](#)): “ However, those who seek to circumvent the rules often do so by referring to their equipment not as CB or Part 95 equipment at all, but as Amateur Radio equipment. The latter does not require, with a few exceptions, a grant of equipment authorization prior to marketing, sale or use.”

The ARRL suggests that the present rules regarding certification of CB equipment and the modification of legitimate CB equipment are “ generally adequate. Enforcement of those rules is, however, complicated and resource-intensive. Additional equipment authorization rules are unnecessary. Nor is it desirable to implement equipment authorization requirements for the Amateur Radio Service. It is important to insure that Amateur Radio equipment is marketed solely to radio amateurs, however. Furthermore, the determination of what constitutes Amateur Radio equipment for enforcement purposes should include the criterion that the equipment is used and useful, and is intended for use solely (or at least principally) by licensed Amateur Radio operators.”

The ARRL pointed out that “ it is vitally important in any case to minimize, and to maintain the utmost flexibility in, equipment authorization requirements for Amateur Radio equipment, because Amateur Radio is in essence an experimental radio service. It is important not to make amateur station equipment unavailable or expensive, nor to stifle experimentation by application of equipment authorization requirements to Amateur Radio equipment generally.” But at the same time, the ARRL noted that “ it is not desirable to legitimize or encourage the actions of unscrupulous manufacturers who market products labeled as ‘ Amateur Radio equipment’ which are neither useful to, nor intended for use by licensed radio Amateurs.”

According to the ARRL, these manufacturers “ seek to subvert the Commission’ s spectrum management policies by merely labeling their products ‘ Amateur Radio equipment’ when it clearly is not such, but instead is intended for use by unlicensed persons without regard to the Commission’ s rules.”

## **Combination Radios**

The ARRL supports the Commission' s proposal to prohibit the certification of radios that are intended to transmit on both Personal Radio Service channels and on Part 97 frequency allocations. Noting that it is undesirable in general to combine transmit capability in radios intended for use in a licensed radio service with transmit capability in radios intended for use in a service licensed by rule -- such as the CB service -- the ARRL agreed with the Commission' s finding that this invites unauthorized operation on frequencies allocated to the licensed radio service by users in the unlicensed service.

“ An example is the marketing of radios which include both FRS and GMRS channel transmit capability,” the ARRL explained in its comments. “ This practice has resulted in numerous instances of operation by unlicensed individuals on GMRS frequencies. ARRL is very much concerned that instances of unlicensed operation on Amateur Radio frequencies, which create a difficult and time-consuming enforcement problem when they occur, would increase considerably if Part 95 equipment was permitted to include Amateur Radio frequencies as well.” The ARRL strongly recommends that the Commission “ continue to prohibit, without exception, the certification of Part 95 radios which include as well the capability to transmit on Amateur Radio frequencies.”

### **Long Distance CB Communication**

In the *NPRM*, the Commission discussed the current prohibition on CB communications between two stations located more than 250 kilometers apart. The rule, [Section 95.413\(a\)\(9\)](#), is intended to discourage CB skywave communications. This rule, the *NPRM* states, is necessary because of the need for frequency reuse (what the Commission refers to as a “ commons” band regulatory structure). The ARRL supports the existing Part 95 rule against long-distance CB communication.

But, as the *NPRM* acknowledges, it is exceptionally difficult to enforce the rule, given the 27 MHz location in the radio spectrum where the CB band was placed many years ago, and the regular occurrence of long-distance propagation. “ The *Notice* asks how to address this on a regulatory basis, and asks whether, for example, power reductions or prohibitions on the use of directional antennas should be implemented,” the ARRL said in its comments. “ The presence of skywave propagation at 27 MHz has, as the Commission notes, enticed some to utilize unlawful linear amplifiers on CB transmitters, and to deliberately attempt to conduct long distance skywave communications despite the rule limiting path distance.”

In its comments, the ARRL suggests that there is not a good regulatory solution to the skywave communications issue in the HF CB service, “ other than moving it to a more appropriate segment of the radio spectrum. A power reduction is not helpful because at 27 MHz, during periods of skywave propagation, even very low power transmissions are capable of exceptionally long distance communications. As to the use of directional antennas, it is quite clear that directional antennas in the CB service increase frequency reuse by creating nulls in the antenna pattern in azimuths other than on the desired communications path. Thus, the use of directional antennas in the CB service should be preserved as a means of encouraging frequency reuse.”

The ARRL put forward the idea that the best path to Section 95.413(a)(9) compliance is a non-regulatory solution: “ The Amateur Radio Service provides a convenient, positive and appropriate option for those CB users who are interested in long distance radio communications. There is no longer a Morse telegraphy examination requirement in the Amateur Radio Service for licensing. The Amateur Radio Service is and always has been the proper radio service for those interested in HF communications using long distance skywave propagation and other techniques. It is suggested, therefore, that the Commission should encourage those who might be tempted to conduct long-distance CB communications to instead obtain an amateur license. Such migration would leave the HF CB band available for its intended short-distance communications purposes, and those who might otherwise be tempted to utilize the CB band for long-distance propagation would be directed to a more constructive and educational alternative.”

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# ANNOUNCEMENTS

## Next Club Meeting:

**3rd Saturday 18 September 2010**

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

- **Time: 08:00 AM**
- **Location: Bountiful City Park  
(100 West 400 North Bountiful)**
- **Activity: Joint Swap Meet  
DCarc/Oarc**
- **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 October 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.



## 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 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
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:

Jamie Howell KF7LQY

*"WATTS NEWS" e-Magazine*

NL Editor: Val Campbell K7HCP

*OTHER CLUB APPOINTMENTS*

Webmaster: Val Campbell K7HCP

Historian: Kent Gardner WA7AHY

Advisor: Kent Gardner WA7AHY

Advisor: Stan Sjol WOKP

QSL Manager: John Shupe K7DJO

Equipment Manager: Val Campbell K7HCP

Repeater Engineer: Mike Fullmer KZ7O

VE Liaison: Mary Hazard W7UE

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**73 es cul de W7SU**

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