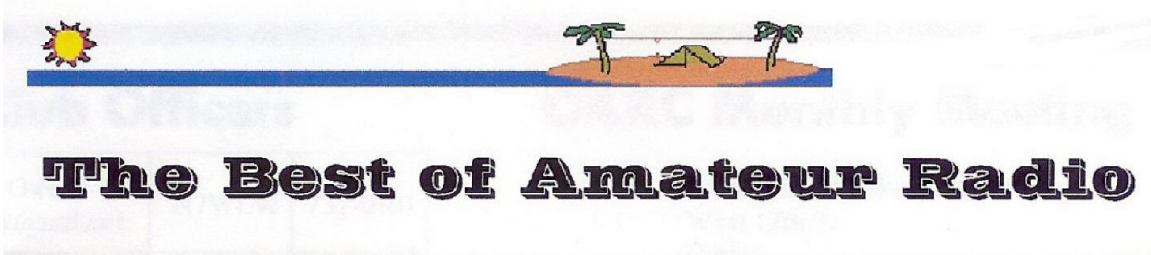




# WATTS NEWS



*Welcome to the OARC e-Magazine*

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

**MAY 2009**

Next Club Meeting

**3rd Saturday May 16, 2009**

**Topic:** Utah Repeater Coordinator, John Lloyd K7JL



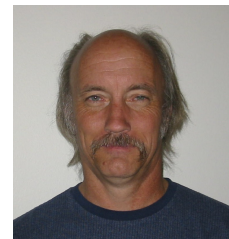
Kent Gardner WA7AHY  
President



Justin Doxford KE7ROQ  
Vice President



Maggi Campbell N7HCP  
Secretary



Jeff Anderson KD7PAW  
Treasurer



Mike Webster N9NZ  
Director #1



Beth Harrington KE7ELF  
Director #2



Val Campbell K7HCP  
Webmaster/NL Editor

# PREVIOUS CLUB MEETINGS

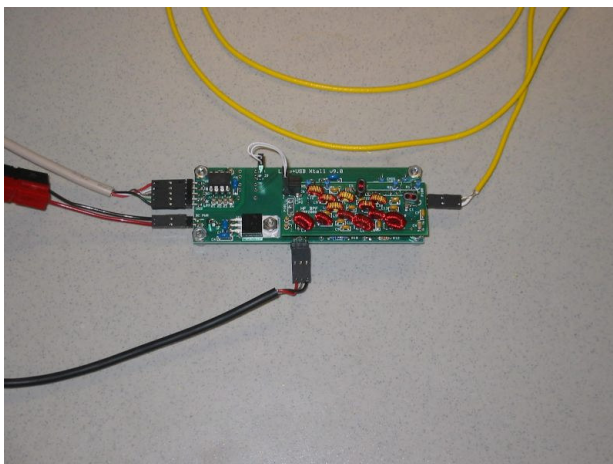
3rd Saturday April 18, 2009

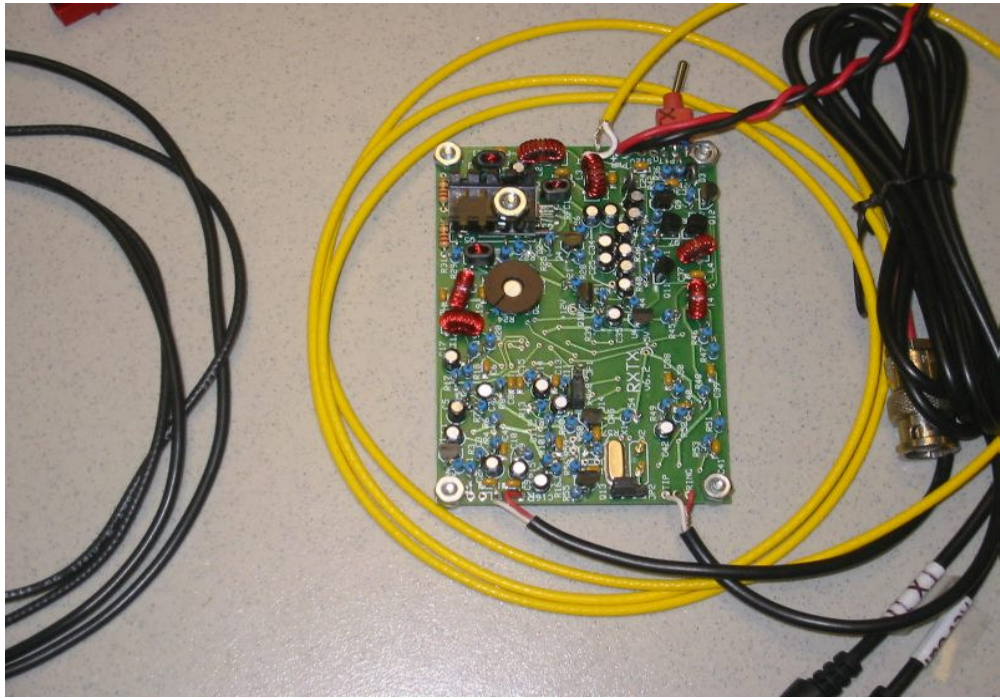
## Software Defined Radio (SDR)

by Jeff Anderson KD7PAW

Jeff presented and demonstrated the mysteries and excitement behind the emerging technology of "Software Defined Radios.

Complete radios are defined by very few physical components and then used in conjunction with a computer sound card to produce a complete replacement for what we have previously expected to find inside our previously modern radios of yesterday and today.





## NEXT CLUB MEETING

**When:** 3rd Saturday May 16, 2009

**Time:** 9:00 AM

**Location:** Riverdale Fire Station

**Topic:** Utah Repeater Coordinator  
By John Lloyd K7JL

**Talk-in:** -146.90 (pl=123)

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### Utah Frequency Coordinator: John Lloyd, K7JL,

John Lloyd, K7JL, is the current [Frequency Coordinator](#) for the Utah VHF Society. In this position, John is the clearinghouse for repeater information and frequency utilization within the state of Utah for the amateur VHF, UHF, and microwave bands. More than a third of a century of field experience gives John an extensive knowledge equipment operation, repair, and modification, as well as practical knowledge pertaining to propagation and the

identification and resolution of interference issues.

John obtained his first license when he was in Jr. High School in 1967 and, by 1970 (in High School,) he upgraded to an extra class. John has been president of the VHF Society and was DARS (Deseret Amateur Radio Society) president for 2000-2001, and is a life member of the ARRL. John is the primary force behind the [Intermountain Intertie](#) (a.k.a. the "Snowbird Link System") being the one who usually does the installation, repair, and maintenance of these (and other) affiliated repeaters along the Wasatch Front.

John presently works as an engineer for U.S. Satellite Corp. in Murray, Utah. In this capacity, he works on all sorts of telecommunications systems, including microwave, satellite, wireless communications, land-based wire and fiber systems. Some of John's other interests include Scouting as well as building even *more* repeaters.

# CLUB BUSINESS

## 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 at the next club meeting.  
See web site [www.ogdenarc.org](http://www.ogdenarc.org) "Club Officers" page.

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## OARC's O'bay (On-Line Swap-Meet)

**Sale 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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# MORE CLUB BUSINESS

## ARRL Membership

If you want to [join ARRL](#), our club can retain \$15 for each NEW regular or senior membership and \$2 for each RENEWAL submitted. A NEW MEMBER is defined as any individual who has never been a member of ARRL or any individual who has not retained a membership for two or more calendar years prior to the application submission. A RENEWING MEMBER can renew at anytime, even before their current membership term expires. If you're joining both the club and ARRL write one check payable to the club and mail both application forms to the club or contact our club **Treasurer**.

### Support your Radio Club >>> [Join OARC and ARRL](#)

- Membership in OARC is complimentary for remainder of 1st year licensed.
- Reduced membership dues for 1/2 year memberships.
- ARRL joins thru OARC benefits your local club without additional cost to you. ARRL joins through the club will receive the new Repeater Directory valued at \$10.95 as a gift.
- ARRL renewals thru OARC also benefits your local club without additional cost to you.

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## OARC REPEATER STATUS

The Little Mountain repeater auto patch is functional once again. It now requires a 10 digit dial (801-xxx-xxxx) for all auto patch calls.

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## OTHER BUSINESS

### EmComm Northern Utah Hamfest

Held: 4th Saturday, April 25 2009

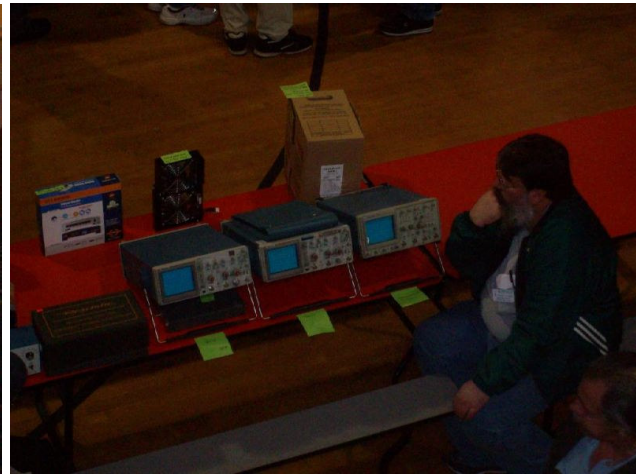
#### Hamfest Winner

Katelynn Hall (center) of the Adams School in Logan Utah was one of two prize winners at the ARRL Utah /Ecomm Convention held at the Browning Armory on 25 Apr 09. Katelynn visited the School and Scout booth sponsored by the Ogden Amateur Radio Club (OARC). She is the daughter of Clint Hall, a recent student at OARC's Technician Course who got his license before the class was half over. Katelynn received a shortwave receiver kit that was purchased at the Boy Scout office. She and her dad will have a chance to build it together. It requires no soldering. OARC president Kent Gardner (left) made the presentation while her dad (right) looked on.

The other prize winner (not pictured) was William Shafer, KE7KAA of Ben Lomond High School. His prize was an FM wireless microphone kit purchased from Frye's Electronics in California. He is the son of Robert Shafer (W7FZ), an OARC member from Ogden. This kit will require soldering, but that won't be a problem for William.

Congratulations to both these young people for their interest in radio and family togetherness.









## IN MEMORY OF



Morton David Sparks (sk)

(August 4, 1942 - April 27, 2009)

CLEARFIELD –

Morton David Sparks, 66, passed away

Monday, April 27, 2009 at his home,

after a valiant battle against cancer.

He was born August 4, 1942 in Kaysville the son of Lowell Leland and June Morton Sparks.

Morton graduated from Davis High School and received his Masters Degree in Public Administration from BYU.

Morton married Carolyn Lee Bennett on August 6, 1965 in the Logan LDS Temple.

He served in the Army National Guard. Morton was an Ogden City Police Officer, Layton City Police Officer and retired as Chief of Police for Clearfield City. After retiring he worked as the Emergency Manager for Clearfield City.

He was an active member of the Church of Jesus Christ of Latter-day Saints. He served a mission in Northern California, and served as a Bishops Counselor, Bishop, Counselor in the Stake Presidency and was currently the Stake Patriarch.

Morton enjoyed Ham radio, flying his Powered Parachute, 4-wheeling, camping, mountain manning, woodcarving, and spending time with his family at his cabin in Idaho.

Surviving are his wife, children, Jessica and Kevin Allred, Sherry and Jon Todd, Tammy and Brandon Thueson, sisters, Judith Warner, Melanie Williams, 11 grandchildren, Keith, Savannah and Alexa Allred; Chelsie and Kade Nimori; Blake, Jordan and Amberly Todd; Bailey, Kayla and Hannah Thueson.

Preceded in death by parents and brother Michael Sparks.

Funeral services will be held Saturday, May 2, 2009 at 11 a.m. at the Clearfield South Stake Center, 2186 So. 125 W. Friends and family may call Friday from 5 to 8 p.m. at Lindquist's Layton Mortuary, 1867 No. Fairfield Road and Saturday from 9:30 to 10:30 at the church.

Interment, Farmington City Cemetery.

## FROM THE PRESIDENTS SHACK



Kent Gardner WA7AHY

From the President's Shack  
May 2009

I saw this license plate on an old Ford van a number of years ago in California ...WA2MANY. This past weekend while at a motel in Flagstaff, Arizona I saw another strange plate, this time from Texas...WSG6DV. I did a double take on both of them because they looked like amateur plates, but something seemed wrong and funny at the same time.

I found out that both, of course, were non-ham license plates. The old van had a roof expansion built on to the regular van roof so it could be used as a camper like the VW pop-top van. I suspect the owner had more kids than would fit in it on a vacation campout. I met the owner of the Texas vehicle. He was a disabled Vietnam Marine veteran...the DV at the end meant disabled veteran. Both appeared at first to be ham license plates that would normally prompt an eyeball QSO. In the case of the Texas vehicle, I did get a chance to visit with the owner. He volunteered that he had been a CB'er in his earlier years and was a member of the teardrop club.

For years now, while on auto trips, I play my version of the license plate game. I try to identify as many US states and Canadian provinces, and other license plates on a 3 x 5 card. I keep track of each trip and tabulate my scores to find out which are the hardest states to see etc. You might think that I will be talking about keeping good logs of all our radio contacts, but I already did that a month or so ago. What I am trying to say this month, is to be aware of other ham licensees around you. Try to leave one of the club's eyeball QSO business cards under their windshield wipers or just try to talk to them and invite them to our meetings and activities. The OARC business/QSL cards have our club's website on it, in hopes they will check it out and show up to our meetings. In other words, reach out to others and help bring the ham radio experience to the forefront of their lives.

I plan on having some of the club website handout cards at the meeting on Saturday 16 May 09. Pick some up and put them in your wallet or purse to keep at the ready in case you see a ham plate in a parking lot somewhere. While at the meeting, listen to the speaker. John Lloyd, K7JL. He is the current [Frequency Coordinator](#) for the Utah VHF Society. In this position, John is the clearinghouse for repeater information and frequency utilization within the state of Utah for the amateur VHF, UHF, and microwave bands. More than a third of a century of field experience gives John an extensive knowledge equipment operation, repair, and modification, as well as practical knowledge pertaining to propagation and the identification and resolution of interference issues.

TNX, Kent Gardner, WA7AHY

# NEWS ARTICLES



## FCC Affirms Vanity Call Sign Rules

The FCC [dismissed a petition](#) filed by Richard Essen, N6CX (ex-AB3IQ), of Silver Spring, Maryland, regarding the issuance of a vanity call sign to Allan Corderman. In its decision, the FCC said that Corderman's application for his new call sign was valid and the call sign was "properly granted" by the FCC.

On December 22, 2006, Winfield Brantley of Myrtle Beach, South Carolina, surrendered his call sign -- W3ZD --when the FCC approved his application for a new call sign. On December 10, 2008, Allan Corderman, WB1EFN, of New Orleans, Louisiana, applied for W3ZD, stating he was a close relative of a former holder of the call sign. [Section 97.19\(c\)\(3\)](#) of the FCC rules regarding vanity call signs state that while a surrendered call sign is not available to the vanity call sign system for two years, certain relatives of the deceased former holder or clubs (in certain circumstances) may apply for the call sign in the two year "grace period." Corderman stated in his application that he was the son of Roy C. Corderman, now deceased, and a former holder of W3ZD.

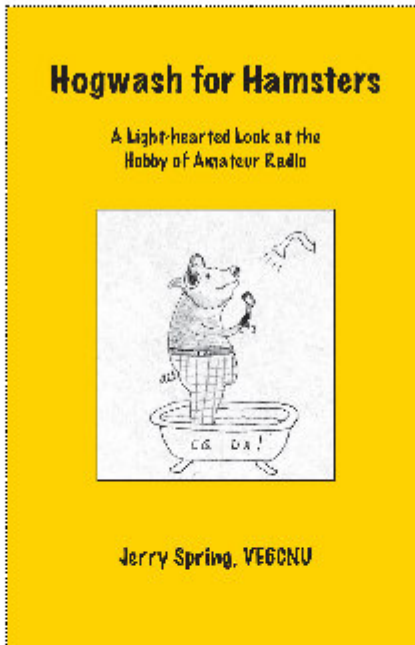
In January 2009, Richard Essen, N6CX (ex-AB3IQ), of Silver Spring, Maryland, petitioned the FCC, asking that the Commission reconsider Corderman's application for W3ZD, saying that the application should not have been granted because the exception in the vanity call sign system's rules apply only to close survivors of the most recent person to hold the call sign, and not to close relatives of any deceased prior holder.

The FCC disagreed with Essen's petition, saying that "[w]hen the Commission adopted Section 97.19(c)(3), it stated that it was granting priority to 'close relatives of deceased holders,' and did not say that the priority applied only to close relatives of certain deceased holders. The rule has always been interpreted to afford priority to close relatives of any deceased former holder." According to Section 97.19(c)(3), "Except for an applicant who is the spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law, and except for an applicant who is a club station license trustee acting with the written consent of at least one relative, as listed above, of a person now deceased, the call sign shown on the license of [a] person now deceased is not available to the vanity call sign system for 2 years following the person's death, or for 2 years following the expiration of the license grant, whichever is sooner."

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# SPECIAL ARTICLE

## PRESS RELEASE: New Ham Radio Book



Over two years in the making, Jerry Spring takes a look at the more humorous aspects of ham radio. Check out the stories, riddles, one liners, limericks, jokes, nursery rhymes and more. Find out what's for dinner at Elmer's Diner and why the ham operator refused to buy the used triband beam. Got some tough technical questions? Then ask "Dear Liddy" for straight answers. This book definitely proves that Jerry had too much time on his hands in order to come up with this kind of stuff. If you're among the group that thinks hams take themselves too seriously, then get a copy of Hogwash for Hamsters and spread the fun.

For more information, and to order your copy, go to:

[www.trafford.com/08-1259](http://www.trafford.com/08-1259)

# FEATURE ARTICLE

## Deep Solar Minimum

04.01.2009

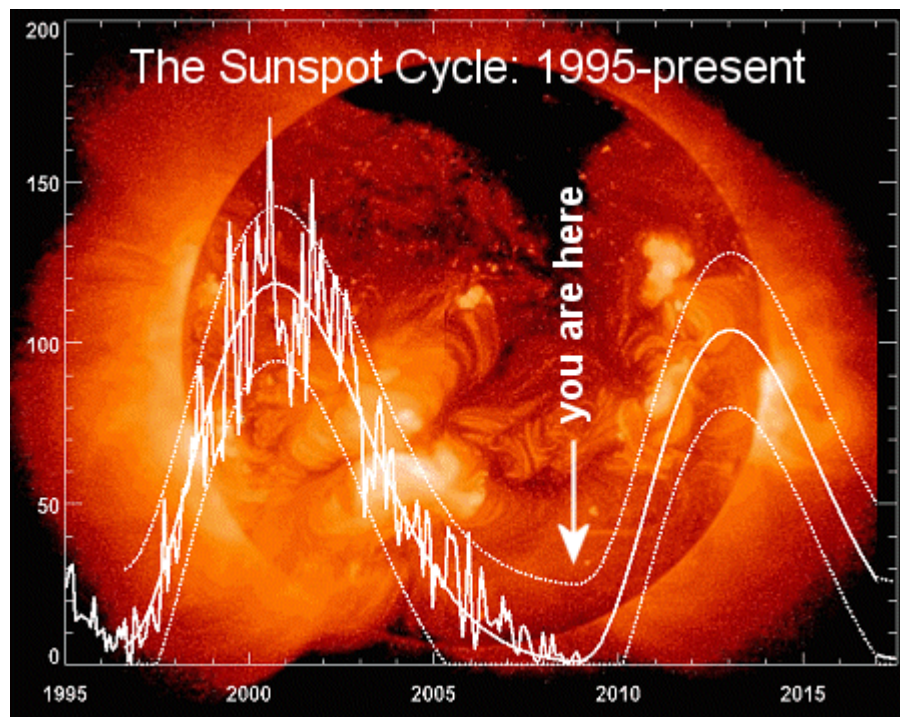
**April 1, 2009:** The sunspot cycle is behaving a little like the stock market. Just when you think it has hit bottom, it goes even lower.

2008 was a bear. There were no sunspots observed on 266 of the year's 366 days (73%). To find a year with more blank suns, you have to go all the way back to 1913, which had 311 spotless days: [plot](#). Prompted by these numbers, some observers suggested that the solar cycle had hit bottom in 2008.

Maybe not. Sunspot counts for 2009 have dropped even lower. As of March 31st, there were no sunspots on 78 of the year's 90 days (87%).

It adds up to one inescapable conclusion: "We're experiencing a very deep solar minimum," says solar physicist Dean Pesnell of the Goddard Space Flight Center.

"This is the quietest sun we've seen in almost a century," agrees sunspot expert David Hathaway of the Marshall Space Flight Center.



**Above:** The sunspot cycle from 1995 to the present. The jagged curve traces actual sunspot counts. Smooth curves are fits to the data and one forecaster's predictions of future activity. Credit: David Hathaway, NASA/MSFC.

Quiet suns come along every 11 years or so. It's a natural part of the sunspot cycle, discovered by German astronomer Heinrich Schwabe in the mid-1800s. Sunspots are planet-sized islands of magnetism on the surface of the sun; they are sources of solar flares, coronal mass ejections and intense UV radiation. Plotting sunspot counts, Schwabe saw that peaks of solar activity were always followed by valleys of relative calm—a clockwork pattern that has held true for more than 200 years: [plot](#).

The current solar minimum is part of that pattern. In fact, it's right on time. "We're due for a bit of quiet—and here it is," says Pesnell.

But is it supposed to be *this* quiet? In 2008, the sun set the following records:

**A 50-year low in solar wind pressure**

**A 12-year low in solar "irradiance":**

**A 55-year low in solar radio emissions:**

Modern technology cannot, however, predict what comes next. Competing models by dozens of top solar physicists disagree, sometimes sharply, on when this solar minimum will end and how big the next solar maximum will be. Pesnell has surveyed the scientific literature and prepared a "[piano plot](#)" showing the range of predictions. The great uncertainty stems from one simple fact: No one fully understands the underlying physics of the sunspot cycle.

Pesnell believes sunspot counts will pick up again soon, "possibly by the end of the year," to be followed by a solar maximum of below-average intensity in 2012 or 2013.

But like other forecasters, he knows he could be wrong. Bull or bear? Stay tuned for updates.

Author: [Dr. Tony Phillips](#) | Credit: [Science@NASA](#)

# ANNOUNCEMENTS

## Next Club Meeting:

**3rd Saturday April 18 2009**

- 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: Utah Repeater**  
Coordinator by John Lloyd K7JL
- **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 June 03, 2009**

- 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: \$ 15.00**

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	TONE	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	TONE	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: Kent Gardner WA7AHY  
Vice Pres: Justin Doxford KE7ROQ  
Secretary: Maggi Campbell N7HCP  
Treasurer: Jeff Anderson KD7PAW

Director #1: Mike Webster N9NZ  
Director #2: Beth Harrington  
KE7ELF

*"WATTS NEWS" e-Magazine*

NL Editor: Val Campbell K7HCP

*OTHER CLUB FUNCTIONS*

Webmaster: Val Campbell K7HCP  
Board Advisor: Stan Sjol WOKP  
Board Advisor: Mike Fullmer KZ7O  
Repeater Engr: Mike Fullmer KZ7O  
VE Liaison: Mary Hazard W7UE

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**73 es cul de W7SU**

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