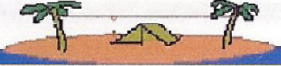




# WATTS NEWS



## The Best of Amateur Radio

*Welcome to the OARC e-Magazine*

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

**NOVEMBER 2005**

Next Club Meeting

**3<sup>rd</sup> Saturday November 19, 2005**

**Topic:** Intriguing World of Radio Below 500 KHz



**Mike Fullmer KZ7O**  
President



**Kent Gardner WA7AHY**  
Vice President



**Chad Roylance KD7WQS**  
Secretary



**Jim Southwick N7JS**  
Treasurer



**Charles Horn KD7SST**  
Director #1



**James Clarke KD7SWL**  
Director #2



**Gary Liptrot N7ZI**  
Past President - Advisor



**Val Campbell K7HCP**  
Webmaster/Editor

## PREVIOUS CLUB MEETING

3<sup>rd</sup> Saturday October 15, 2005

The October OARC club meeting was held at the home of our new club vice president, Kent Gardner - WA7AHY. His home theatre was a very nice setting for our first fall meeting this year. And as a bonus we all got a tour of his new outdoor ham shack that he just completed building in his back yard.

It was very nice of Kent to host our meeting at his home QTH this one time. As you may recall, our club has been looking for a new meeting site ever since the Health Department moved out of their old building location but we didn't mind meeting in the outdoor settings throughout the summer months, which is exactly what we did. Of course most of those city park meetings included a full breakfast as an additional bonus.

Starting with our next meeting (November) we will have a new permanent meeting location. Yes, our club is no longer QTH-less any longer. Mike Fullmer KZ7O has arranged for us to meet at the Riverdale Fire Department building on Parker Drive just north of 4400 South in Riverdale. Please check the web site "club meetings" page for details and map.

Over 2 dozen members attended the October meeting. Not bad for our 1<sup>st</sup> indoor meeting in quite some time. Stan Sjol WOKP donated a new PC inkjet printer as a door prize and our youngest club member/ham Winona Roylance KE7EEK was the lucky winner. Congratulations Winona.

Jeff Anderson KD7PAW did a show-and-tell of a work-at home electronic project that he has been building for his out-of-state employer. The project is a pair of single chip Ghz band transceivers on a board about 1.5" square and powered by a 9 volt battery that communicated digitally with each other throughout the meeting room area. This project was Jeff's own design and construction. The printed circuit boards are solid state, surface mount, silk screen construction very professionally done. Jeff created a temporary operator and data

transfer interface with his Hand-Held Computer for demonstration purposes so that the club members could "see" the transceivers communicate. Jeff shared with us that this project was uniquely challenging for him because his lab/test equipment would not operate up in the Ghz band so he was "flying blind" while bench testing the projects design and operation. I wish I could think of something to use the transceivers for myself. How about you? Good Luck with your future projects Jeff.

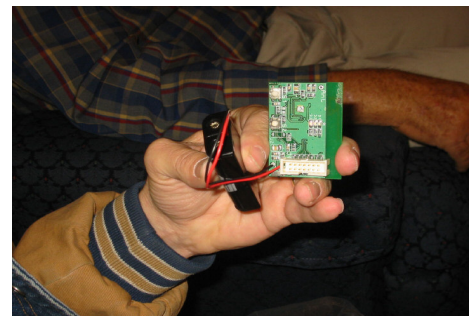
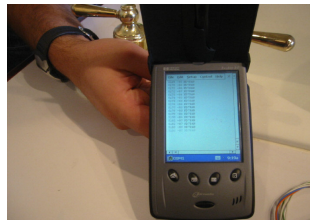
Our feature speaker this meeting was Earle Sanders NT7Y who presented us with a foil projector backed-up presentation on "What You Need To Know About GrayLine Propagation". Earle used real-world props in conjunction with foils to illustrate the concept of finding and operating DX stations during this prime operating time frame. GrayLine, sometimes called "The Terminator", is when either you OR the DX station is operating during the time frame when the sun is either rising (dawn) or falling (dusk).

You can visualize the GrayLine effect and predict the timing at any point on earth by downloading and running a shareware program called "GeoCLock". You can download the program from or link to the author's web site at the OARC web site "download" page. Try it, you'll be amazed.

Be sure to read the Feature Article - "GrayLine Propagation" by Earle later in this newsletter. Thanks Earle for your efforts and taking the time to share this DX'ing secret with your fellow club members.

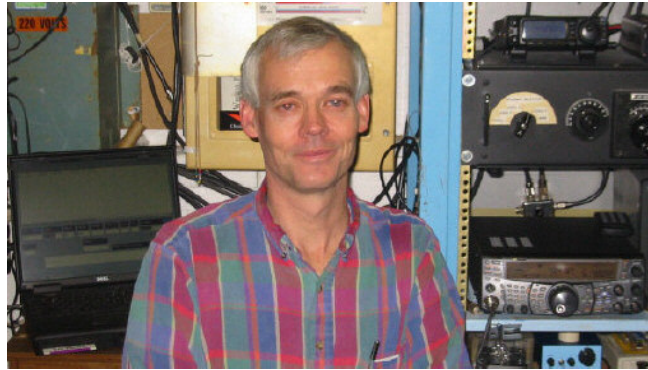
As you can tell, if you have missed any of our club meetings you may have missed out on a lot of real good to know information, not to mention a lot of fun and Ham-Talk. Be sure to attend all of our future club meetings. See you there.

Val Campbell K7HCP



# A Message from our President

Mike Fullmer KZ7O



Well, this is my first monthly "letter to the editor". I get to do this on a monthly basis for the next year. So I will use it to update everyone of the various items.

The first item is the club meeting location. We do have a new home - the Riverdale Fire station just north of 4400 South right below the freeway on Parker Drive. You can come from 4400 South in Riverdale or Roy through the new round a bout, or from 31st on Parker Drive. Come in the North door. There is a parking lot on the north side to park in.

The club training topic this month is being done by Kent Gardner, our new Vice President. See his subject introduction elsewhere in the newsletter. As always there will be refreshments.

The December meeting will actually be a club family dinner and will not be at the Fire Station. We will be meeting at Eastern Winds Chinese Restaurant for a Christmas dinner on Dec 17. The complete details are available on the web site ([www.ogdenarc.org](http://www.ogdenarc.org)). And for those who are paid up members, we are giving away a real nice door prize.

**Yaesu VX-2R dual band hand held - all band receiver (\$175 value) + programming software (\$50 value)**

Sorry, we tried to do a \$5000 HF rig, but we could not find the money for that. There will be a few of our standard door prizes to be given away also. There will also be a couple of non ham related door prizes for the spouses.

We are going to do the spring time Ham Fest again next year on April 15. A committee is already forming to get started with the planning. If you

want to assist with this effort please speak up and let any of the officers know.

I encourage everyone to look at the web site regularly because it is so good! Val does such a good job keeping this up. I think I am safe to say it is the best kept up ham radio club web site in Utah. I have looked at a few and seen the officers list from 2 years ago on some of them or the meeting announcement from 3 months ago.

Did anyone provide any comments to the FCC on the removal of morse code from all license classes? I did. This was the first time I have done this. It actually was easier than I thought it would be. I did it all on line. If you did file a comment congratulations! If not, then just be content to accept whatever they do.

Did anyone else make any contacts on the CQ world wide HF contest on Oct 29,30? The bands were open a lot better than I thought they would be. Maybe it just takes enough kilowatts of RF blasting into the air to get the bands to open up! I am not a DX hound like several of the hams in the area are, but I do enjoy working a few stations from some unknown location in the world. After 30 years on HF I finally decided to get my DXCC award a year ago and collected the remaining QSL cards I needed. I got the award several months ago. I worked several new countries that I do not have cards from in the contest this past weekend. It was fun!

Well that's it for this month. See you all at the club meeting.

Mike, KZ7O

# CLUB NEWS

## Next Club Meeting

**When:** 3rd Saturday November 19, 2005  
**Time:** 09:00 AM  
**Location:** Riverdale Fire Station (check web site for address and map)  
**Topic:** Intriguing World of Radio Below 500 KHz by Kent Gardner WA7AHY  
**Talk-in:** -146.82 (pl=123)

## New Hams

**Congratulations** to the following Amateur Radio Operators who were recently licensed at our most recent Weber County VE Test Session. We hope to see each of you attend our next club meeting. See you there, and remember to bring a friend.

- Mark J. Bishop >>> KE7FBM (general class)
- Blayne G. Christensen >>> KE7FBL (tech class)
- Susan E. Puls >>> KE7FBK (tech class)

## New Members

**Congratulations** to the following Amateur Radio Operators who have joined OARC recently. We welcome you to attend our next club meeting. See you there, and remember to bring a friend.

- Aaron V Farr >>> W7HJK

## OARC December Family Dinner

The OARC club meeting in **December** will be a **Family Dinner** meeting. We encourage everyone to come and bring your spouse and your family too. We will have an abundance of door prizes for hams and the non-hams as well. The Grand Door Prize will be a very fine item but is restricted to paid-up members only and you must be present to win. Please check the club web site "club meetings" page for details. See you there.

**Place:** Eastern Winds  
**Address:** 3740 Washington Blvd - South Ogden UT  
**Menu:** Chinese Buffet  
**Cost:** \$6.50/per person (drinks and 10% tip NOT included)

**Grand Door Prize:** Yaesu VX-2R dual-band hand-held transceiver - all band receiver (\$175 value)  
(paid-up members only)

# Silent Key

**Clifford Peterson Sr W7JVU** passed away recently. He was 92 years old. He attended the Northern Utah Hamfest April 2005 and won the award for being the oldest Ham in attendance. 73 & 88 to Clifford.

## W7JVU Silent Key



## Clifford E. Peterson

**Standard Examiner  
Wednesday, October 19, 2005**

OGDEN - Clifford E. Peterson, age 92, passed away Saturday, October 15, 2005 after a brief illness at his son's home in North Ogden, Utah.

He was a beloved member of a large family in Ogden. He was born September 1, 1913, in Kanesville, Utah, the first child of Alma M. and Ezra M. Peterson.

He became interested in photography at age 10 and would develop his film and make prints on a homemade enlarger in a back bedroom closet. He developed an interest in electronics at age 12 by building crystal set radios and by age 13 he was building electron tube radios. For many years he supplied the microphones, amplifiers, and speakers for the Ogden Rodeo. He got his amateur radio license in the early 1930's and built most of his own equipment.

Cliff married Virginia Ortel Christensen of Newton, Utah on June 17, 1938. They became the parents of three children and were married for 68 years. For many years he assisted his father Ezra managing the Paramount Dairy in Ogden. During World War II he spent much time helping U.S. Servicemen in foreign countries talk to their loved ones in the U.S. relaying calls with his amateur radio equipment. He helped build and manage the Starlight Drive-in Theater in Ogden and was often the projectionist.

He built, owned, and operated the Hi-Fi Shop at 2323 Washington Blvd. in Ogden. He built, owned, and operated Utah's third FM radio station, KBOC, and was a pioneer in high fidelity stereophonic FM radio.

Cliff and Ortel enjoyed traveling in their RV to southern Arizona during the winter months. They also enjoyed camping on their recreational properties in Evergreen north of Huntsville, Utah. The family expresses special thanks to Applegate Hospice for their kindness and care towards both my father and to the assistance and guidance they provided the family members. If anyone chooses to make a donation we would like it to go to Applegate Hospice or a charity of their choice.

He is survived by his wife Ortel, sisters Kathryn Finlayson, Donna Richardson, and Thelma Iker, children Clifford L. Peterson, Beverly K. Both, and Kenneth E. Peterson, 16 grandchildren, and 30 great-grandchildren. He was preceded in death by his parents and his sister, Carol Naisbitt.

Funeral services will be held Thursday, October 20 at 1 p.m. at Lindquist's Ogden Mortuary, 3408 Washington Blvd. Friends may call at the mortuary on Wednesday from 6 to 8 p.m. and Thursday from 11:45 a.m. to 12:45 p.m.

Interment, Lindquist's Washington Heights Memorial Park, 4500 Washington Blvd. Email condolences to the family at lom@lindquistmortuary.com

# AR HOBBY NEWS

## 2005 Utah Field Day Scores

Call	Class	Score	QSOs	Position	of	Per-centile	2004 Per-centile	Club
W7SP	3A	5,538	1,706	29	262	88.9	83.4	Utah ARC
NC7X	1AB	7,890	714	5	19	73.7		Manti Contest Club
WB6FDY	1B1	1,044	245	15	53	71.7	60.4	
N7ARE	1C	405	51	21	54	61.1		
N7BO	2A	1,802	609	272	454	40.1	78.6	Rainbow Canyons ARC
W7DRC	2A	1,946	554	255	454	43.8	67.7	Dixie ARC
K7UB	4A	1,940	351	81	127	36.2	21.1	UBET ARC
WI7J	1A	870	310	95	141	32.6		La Verkin ARES
W7IVM	4A	1,806	468	87	127	31.5	33.3	Bridgerland ARC
K3SS/7	1B2B	1,180	108	16	23	30.4		
<b>N7JS</b>	<b>1A</b>	<b>690</b>	<b>289</b>	<b>104</b>	<b>141</b>	<b>26.2</b>		<b>Ogden ARC</b>
KD7VEM	1B1	238	44	41	53	22.6		
AD7BN	1B1B	310	6	77	84	8.3		
KD7WPJ	1B1B	160	2	81	84	3.6		
KB6BYU	1D	19	19	263	269	2.2		
K7DAV	—	—	—	—	—	—	92.9	Davis County ARC

### Key to Entry Classes

**Starting number** The number that begins each class is the number of simultaneous transmitters on the air. For example, UARC's 3A class indicates there was a maximum of three transmitters on the air at any given time.

**First Letter** The letter that follows the starting number tells the type of operation:

- A: A club or group portable with three or more operators
- B: A non-club group portable station using one or two operators
- C: A mobile station
- D: A home station using commercial power
- E: A home station using emergency power
- F: A station at an Emergency Operating Center (EOC)

**Second number** A "1" or "2" following the letter indicates the number of operators. Class B entries are subdivided in this way.

**Final "B"** A "B" following the number of operators or the class letter indicates an operation powered entirely by batteries and running no more than five watts transmitter output power.

**Example:** Class 1B2B means a single-transmitter portable operation with two operators using only batteries for power and running five watts or less.

# MORE AR HOBBY NEWS

## Vanity call sign processing hiatus continues

As ARRL [reported](#) September 30, the FCC discontinued the processing of vanity call signs on or about September 23. The Commission's Wireless Telecommunications Bureau this week announced that, while it continues to accept new vanity call sign applications, these applications "will not be processed until further notice." The FCC says the suspension of vanity processing is consistent with extended filing and regulatory deadlines it announced for hurricane-affected licensees under public notices [DA 05-2406](#) and [DA 05-2521](#), released September 1 and September 24, respectively. Because the filing extensions apply to Amateur Radio's two-year "grace period," they could adversely impact the vanity call sign system. "When processing is resumed, all pending vanity call sign applications will be processed consistent with the date order in which they were received," the FCC said October 5 in an alert on the Universal Licensing System ([ULS](#)) Web site.

ARRL - October 6, 2005

## Vanity Processing could be on hiatus till late December

Thanks to Hurricane Wilma, the FCC likely will not be processing any vanity call sign applications until late December. The Wireless Telecommunications Bureau (WTB) halted vanity processing on or about September 23 after realizing that filing and regulatory deadline extensions for licensees in certain states affected by hurricanes Katrina and Rita could affect the vanity program. This week, the FCC announced an additional extension—until December 22—for licensees adversely affected by Hurricane Wilma. Because all three extensions apply to Amateur Radio's two-year "grace period," they could have an impact on vanity call sign processing. A WTB spokesperson said that the Wilma deadline extension probably would have the same effect on vanity processing as the previous two.

"It looks like it's going to be the same thing carried forward," Tracy Simmons told ARRL. He said amateur licensees can continue to file vanity call sign applications, but these will not be acted upon until the WTB resumes vanity processing. Then, all pending vanity call sign applications will be processed in the order they were received. Simmons indicated that the WTB would revise its Universal Licensing System (ULS) Web page "alert" telling applicants that vanity processing has been suspended "until further notice" to reflect the latest deadline extension.

QRZ - ARRL Letter Oct. 29, 2005

## Vanity Call Sign fee to rise

(repeat excerpt from last months newsletter article)

The cost of a 10-year Vanity call in the United States is going up. The ARRL Letter says the new dollar amount is \$21.90 for Fiscal Year 2005-2006 effective August 23, 2005. The FCC says it anticipates 7600 vanity applications during this coming period.

World Radio - October 2005

---



# FEATURE ARTICLE

## WHAT YOU NEED TO KNOW ABOUT GRAYLINE

By Earle Sanders NT7Y

1. THE EARTH HAS PARTS WHICH ARE DARK OR IN DAYLIGHT. EVERY PLACE CHANGES AS THE EARTH REVOLVES.

2. EXPERIMENT DURING THE MIDDLE PART OF THE DAY (12 PM TO 4 PM) LISTEN ACROSS YOUR AM BROADCAST BAND AND COUNT THE NUMBER OF STATIONS YOU CAN HEAR. WHERE ARE THEY? DO THE SAME PROCEDURE IN THE EVENING (ABOUT 8 PM TO 10 PM). HOW MANY STATIONS DO YOU HEAR? WHERE ARE THEY? WHY DO YOU HEAR MORE AT NIGHT?

3. CHARACTERISTICS OF WAVES RADIATED FROM AN ANTENNA (VERTICAL EXAMPLE). GROUND WAVE TRAVELS FOR SOME DISTANCE PARALLEL TO EARTH.. SKYWAVE GOES UPWARDS AT AN ANGLE INTO SPACE.

4. SOLAR ASTRONOMY:

EARTH IN ORBIT AROUND SUN TAKES 365+0 DAYS TO COMPLETE THE ORBIT. WHILE IN ORBIT EARTH IS REVOLVING AROUND ITS AXIS COMPLETING ONE REVOLUTION PER 24 HOURS. AT ANYTIME ABOUT HALF OF THE EARTH IS AWAY FROM DIRECT SUNLIGHT CREATING DARKNESS.

5. ATMOSPHERE VERSUS IONOSPHERE:

ATMOSPHERE EXTENDS OUT SEVERAL HUNDRED MILES AND IS COMPOSED OF GASSES. RADIATION FROM SUN IONIZES PARTICLES OF THE ATMOSPHERE TO BECOME THE IONOSPHERE.

6. IONOSPHERE EFFECTS RADIO WAVES AND IS COMPOSED OF SEVERAL LAYERS WHICH SURROUND THE EARTH:

- D-LAYER EXISTS 40 TO 50 MILES ABOVE THE EARTH
- E-LAYER IS AN IONIZED LAYERS ABOUT 70 MILES OUT. ABSORBS OR ALLOWS RADIO WAVES TO PENETRATE DEPENDING UPON FREQUENCY AND OTHER FACTORS.
- F - LAYER IS ABOUT 125 MILES ABOVE THE EARTH. THIS IS THE LAYER WE WANT TO USE FOR LONG DISTANCE SKIP,

7. D-LAYER ACTIONS:

CLOSEST TO THE EARTH AND BECAUSE OF THE EARTH'S SHADING EFFECT DOES NOT RECEIVE SUN RADIATION FOR THE PORTION OF THE EARTH WHICH IS DARKNESS. THEREFORE NO SUN RADIATION - NO IONIZATION AND THE D LAYER EFFECTIVELY DISAPPEARS AT NIGHT TIME. DURING DAYLIGHT HOURS RADIO WAVES AT LOWER FREQUENCIES ARE ABSORBED IN THE D-LAYER AND ARE GONE FOREVER. REASON WE DO NOT HEAR SKYWAVE SIGNALS FROM BROADCAST STATIONS DURING DAYLIGHT.

8. TRANSITION FROM DAYLIGHT TO DARK ARE WEIRD:

PROPAGATION EFFECTS TAKE PLACE DURING SUNRISE AND SUN SET. THE LINE WHICH SEPARATES DAYLIGHT FROM DARKNESS AROUND THE WORLD IS CALLED THE GRAYLINE OR TERMINATOR. AS THE LINE APPROACHES A SPOT ON THE EARTH THE LOSS OF OR RETURN OF SUNLIGHT ON THE D-LAYER PRODUCES DYNAMIC CHANGES IN PROPAGATION. SIGNALS ARE BENT AND REFRACTED AS THEY PROCEED UPWARD THROUGH THE DISSIPATING OR REFORMING IONIZATION OF THE D LAYER. MIRACULOUS LONG DISTANT CONTACTS CAN BE MADE ON LOW FREQUENCIES.

9. THREE HELPFUL CHARACTERISTICS OF GRAYLINE PROPAGATION:

- ALONG GRAYLINE
- AT GRAYLINE INTO DARKNESS (OUR SUNRISE) TO THE WEST
- AT GRAYLINE INTO DARKNESS (OUR SUNSET). TO THE EAST

10. KEEPING A WORLD WIDE PERSPECTIVE OF TIME. IF YOU WANT EUROPE YOU NEED TO BE AT YOUR STATION CONTROLS AT EUROPE SUNRISE (ABOUT 0600 TO 0700 UTC) THAT MEANS ABOUT MIDNIGHT

OR LATER MST TO WORK WESTWARD INTO PACIFIC BE THERE AT OUR SUNRISE OR EARLIER. TO BE A LOW FREQUENCY DXERS YOU HAVE TO BE AN EARLY RISER OR A LATE NIGHT PERSON.

11. DON' BELIEVE THOSE WHO SAY YOU CAN'T WORK DX ON 75 AND 160. IT CAN BE DONE BUT YOUR MUST HAVE A BASIC UNDERSTANDING OF PROPAGATION. YOU MUST ALSO HAVE AN AWARENESS OF SUNRISE AND SUNSET TIMES IN OTHER PLACES AND BE PREPARED TO PAY THE PRICE AND BE THERE AT YOUR STATION AT THEIR TIMES.

12. STATION REQUIREMENTS AND OPERATOR SKILLS:

- 95% LISTENING AND 5% TALKING. GOOD EARS ARE NECESSARY TO DIG OUT SOME WEAKER SIGNALS.
- DON'T EXPECT TO RAG CHEW WITH THE DX LET THEM TAKE THE LEAD. USUALLY 5 SECONDS AND YOU CAN GIVE HIM A SIGNAL REPORT AND STATE. (Sorry, but there will usually be a bunch of guys in line waiting and will get on you if you tie the dx station up.)
- GOOD ANTENNAS ARE CRITICAL. FOR LOW FREQUENCY THE HIGHER THE BETTER. A GOOD VERTICAL SYSTEM OR SLOOPER OF THE TOWER WORK WELL
- POWER IS NICE BUT NOT ALWAYS NECESSARY. Low power can work if other factors are maximized.

13, FOR FURTHER REFERENCE ON THE INTERNET MY MICROSOFT NET EXPLORER SHOWS 268 WEB SITES DISCUSSING "GRAYLINE PROPAGATION".

---

# ANNOUNCEMENTS

## Next Club Meeting:

**3<sup>rd</sup> Saturday November 19, 2005**

- The Ogden Amateur Radio Club meetings are held on the **3<sup>rd</sup> Saturday** of each month.
- **Time: 09:00 AM**
- **Location: Riverdale Fire Station**  
(Check web site for details)
- **Topic:** Intriguing World of Radio Below 500 KHz by Kent Gardner WA7AHY
- **Talk-in: -146.82 (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:

**February 01, 2006**

- 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	TONE	LOCATION
146.820-	OARC	123.0	Mt Ogden "Talk-in"
448.600-	OARC	123.0	Mt Ogden
146.900-	OARC	123.0	Little Mtn (patch – soon)
448.575-	OARC	100.0	Little Mtn (auto patch)

OTHER AREA REPEATERS			
FREQ	CLUB	TONE	LOCATION
146.620-	UARC	none	Farnsworth Pk
449.100-	UARC	146.2	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

**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
WsuArc	<a href="http://arcweber.edu">arcweber.edu</a>	3 <sup>rd</sup> Thursday 5:30 pm	WSU Blding #4 Room ? 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
Ubet	<a href="http://27meg.co/~k7ub/">27meg.co/~k7ub/</a>	4th Thursday 6:30 pm	BE-Thiokol: 24 East 100 South Brigham City Utah
Dcarc	<a href="http://dcarc.net">dcarc.net</a>	2 <sup>nd</sup> Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
CSERG	<a href="http://dcarc.net/ares.htm/">dcarc.net/ares.htm/</a>	Last Wednesday 8:30pm	Clearfield City Hall Clearfield 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
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)

## LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mst	Utah Beehive net HF	7.272 Mhz <b>HF LSB</b>
Daily @ 07:30 PM mst	Utah Code net HF	3.708 Mhz <b>HF CW</b>
Daily @ 08:00 PM mst	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	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 @ 6:30 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	CSEARG	145.770 simplex
Wednesday @ 9:00 PM	Northern 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 @ 7:00 PM	Davis ARES	147.420 = simplex
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	RACES State VHF	145.490 - 123.0, 146.680 - 123.0 3 <sup>rd</sup> Thursday - even months only
Saturday @ 8:00AM mst	RACES State HF	3.918 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>

---

## OARC OFFICERS

President: Mike Fullmer KZ7O  
Vice Pres: Kent Gardner WA7AHY  
Secretary: Chad Roylance KD7WQS  
Treasurer: Jim Southwick N7JS

Director #1: Charles Horn KD7SST  
Director #2: James Clarke KD7SWL

## "WATTS NEWS" e-Magazine

Editor: Val Campbell K7HCP  
Photos: Maggi Campbell N7HCP

## OTHER CLUB FUNCTIONS

Webmaster: Val Campbell K7HCP  
VE Liaison: Mary Hazard W7UE  
Repeater Engr: Mike Fullmer KZ7O  
Past President - Advisor:  
Gary Liptrot N7ZI

---

# 73 es cul de W7SU

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