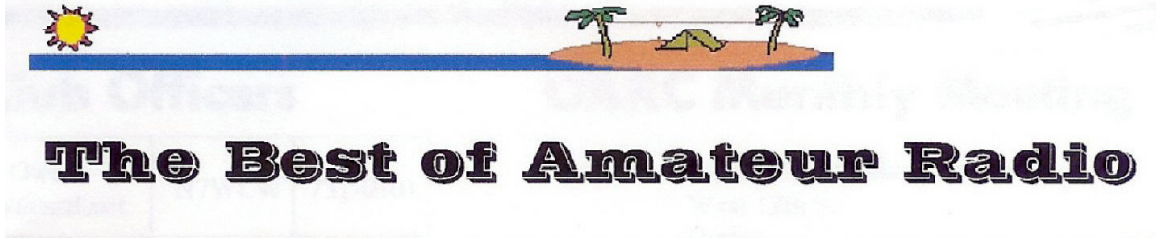




# WATTS NEWS



*Welcome to the OARC e-Magazine*

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

**August 2005**

Next Club Meeting

**3<sup>rd</sup> Saturday August 20, 2005**

**Topic: Steak Fry + Elections**



Gary Liptrot N7ZI  
President



Mary Hazard W7UE  
Vice President



Jim Southwick N7JS  
Secretary



Charles Horn KD7SST  
Treasurer



Mike Fullmer KZ7O  
Director #1



James Clarke KD7SWL  
Director #2



Val Campbell K7HCP  
Webmaster/e-Magazine Editor

# PREVIOUS CLUB MEETING

3<sup>rd</sup> Saturday July 16, 2005

This month we held our meeting at Barker Park in North Ogden complete with another French Toast breakfast. The spread also included unlimited scrambled and poached eggs. As usual we made sure there was more than enough food for everyone who showed up. If anyone says they never had a chance to be fed while in this club.....it's a lie. Thanks to the members who helped do some cooking and after eating clean up.

Barker Park was a nice diversion as the place is completely updated with all the modern conveniences - even hot water. The only downside is there are really not any trees understandable for such a new facility. However, we had the honor of being the first ones to break in the new joint.

Kim Owens-K07U brought along his portable G5RV antenna so members of RACES were able to check in using the club HF radio. Kim's antenna setup is becoming a regular sight at anything we do outdoors these days and we appreciate him volunteering it. Turnout although lower than our normal meetings was surprisingly good as we expected most people to be on vacation this month.

Our next meeting will be the OARC famous steak fry and elections. This will once again be held at Shady Lane Park. Be sure to come out for a feast, bring a potluck, and cast your vote for the next upcoming officers.

73, Jim N7JS





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## Next Club Meeting

**When:** 3rd Saturday August 20, 2005  
**Time:** 05:00 pm  
**Activity:** Steak Fry + Elections/Membership Renewal + Auction/Swapmeet  
**Where:** Shady Lane Park - Pleasant View Utah  
**Talk-in:** -146.82 (pl=123)

## August is OARC "Officers Election" and "Membership Renewal" month ...

Elections will take place at our next club meeting/steak fry.  
See the OARC web site for details.

### *OARC nomination committee endorses the following nominations...*

#### **President (1 year) - Mike Fullmer KZ7O**

I have currently served as a Director the last 4 years and have enjoyed it. I feel it is time for me to step up and accept this nomination. I thank those who trust me enough to nominate me. Ham Radio is Fun. Mike KZ7O

#### **Vice President (1 year) - Kent Gardner WA7AHY**

I am a newcomer to Ogden and the Ogden Radio Club, but am well-founded in amateur radio and appreciate the prospect of being able to promote it's growth and that of the club. The romance and mystery of radio keeps me going and I hope to be able to instill this excitement in the youth and others through radio classes and proper Elmering. Kent WA7AHY

#### **Secretary (1 year) - Chad Royslance KD7WQS**

I appreciate the nomination. I will do my best to serve the club and its members if I become 'Club Secretary.' I am always ready and willing to tackle any task to make OARC the best club around. Thank you. Chad KD7WQS

#### **Treasurer (1 year) - Jim Southwick N7JS**

Having served as your current Secretary - I look forward to continuing to serve your club and possibly being your new Treasurer. My experience as an owner of a successful Century 21 real estate brokerage and a full time broker, I feel qualifies me to handle the duties of this position and to have the members trust placed in me. Thank You. Jim N7JS

#### **Director #1 (2 years) - Charles Horn KD7SST**

I have been your treasurer for the last two years. Thank you for nominating me for the position of Director #1. If elected I will do my best to support the club and its members. Thank You. Charles KD7SST

#### **Director #2 (2 years) - James Clarke KD7SWL**

**This office is NOT up for election this year. James still has 1 year remaining in his assignment.**

Nominate any member in good standing that you would like to see lead OARC to new highs next year to serve from October 2005 to September 2006. [E-Mail nominations](#) to OARC nomination committee. Remember to include the following: "**Club Office**", "**Nominee Name**", "**Your Name**". See the OARC web site for details.

# From The OM's Shack

Gary Liptrot N7ZI



Hi folks;

How is everyone's summer going? I hope that you have had the time to work on a few Ham radio projects. I was talking to Mike Konkol (KD7TDZ) the other day and he has been working on a satellite antenna project. He has incorporated a computer controlled right-hand left-hand circular polarization feature and he is working on many other aspects of his satellite station. Has anyone else been so ambitious? I myself have been taking flak from my friends for not having a working shack anymore. I was in the middle of renovating it when my work schedule precluded me from finishing it. It's still in pieces. This is my first weekend free in six weeks so I promise to get on the ball. I need to catch up to Val (K7HCP) on my CW skills for next year's Field Day... B)

We are still working on a meeting place for winter. We have not needed a place to meet in the summer months since we have been outside a lot. I have enjoyed the relaxed atmosphere of a breakfast and a little show-and-tell. However, I guess I'd better get us a warmer place for winter, eh? I heard the other day that the local Hams are calling us the "HF club". It makes me smile because that was the focus for a lot of our meetings this year. No apologies on my part, I like the idea. Just to explain our goals for the last year better I'll say that the thrust of the meeting material was to get a bunch of Technicians ready to talk on the HF bands at Field Day. I thought

that it was a good idea to focus our efforts on antennas, baluns, DXing etc. not only to help us during Field Day but to encourage Techs to upgrade and to help them set up their own Shacks. I hope that all of you enjoyed the great speakers this last year. We are not done yet. We have a lot of VHF stuff lined up for the first part of this next year but don't tell the other clubs cuz I kinda like our nickname. Just kidding, my intent this last year was not to exclude the higher bands but just not to focus on them as much. There are a lot of great topics to be covered in the upper spectrum and we will soon be getting to them. The main goal of a club like this as far as I'm concerned is to expose it's members to as many modes of operation as possible. That way they can more easily choose which ones they like.

Congratulations are in order for Curtis Larsen (KE7BFY) and Kara Davis (KE7BEV) who recently got married. I am very happy for you and the club wishes you all the happiness in the world. I can't wait to see you two again since my work forced me to miss the reception. You two are such a wonderful couple and I am excited for you.

You may have heard the announcement on July 20<sup>th</sup> that the FCC has drawn up plans to drop all CW (Morse code) requirements for any Amateur Radio license. No more 5 word per minute CW tests to move from Tech to General or even to Amateur Extra. Did I hear a sigh of relief from many of you. I remember the day that I heard that they were going to lower the requirement for the Amateur Extra from 20 wpm to 5wpm. It didn't make me want to quit studying CW, in fact it made me work harder to get it. I wanted to be counted as one of them who had to pass the 20 wpm requirement. I don't know if it is the same for those of you looking at the current 5 wpm requirement. I think that everyone should at least be familiar with the code enough that they can see if they like it or not. When you get your Amateur Extra privileges you'll find out that a lot of DX is done in CW on those first 25kHz of each band. I'm not too worried about dropping the

requirement because it is like anything else in ham radio, if you want to do it, you will learn how. Whether that is ATV, satellites, CW, Packet, APRS, etc..

I would like to remind everyone about the Steak Fry coming up August 20<sup>th</sup> at 17:00 (oops that's 5pm). We will be meeting at Shady Lane Park in Pleasant View. Same place as last year. We will have steaks available and we are bringing hot dogs for the kids and for those who just like a good dog. Bring a dish-to-pass (pot-luck) and a couple of bucks for the steak. I think that the committee decided on a mere \$3.00 per person. Pretty reasonable. We will have an auction so bring stuff for that and I think they are having a swap meet too, check the webpage for up to the minute facts. Giveaways will be rampant. Bring \$15.00 for your yearly dues. We will also be electing new club officers so look on the webpage for those people whom the nominating committee have selected and

gotten approval to run for the different club positions. The elections will be painless and my goal is to have them not be a big part of the Steak Fry. When you first get there you will sign in, pay dues, vote and then go eat and have fun. Winners will be announced later at the Steak Fry.

I think that it's been a great year thanks to all of you. Participation has been high and my Fun-O-Meter has been pegged many times. It's always great to be with quality Hams like yourself. Our club and Utah clubs in general seem to have more than their share of great people in this hobby.

See ya at the Steak Fry... B)

73 de n7zi Gary

*"Why buy something for ten bucks when you can make it for a hundred." JR*

## DID YOU KNOW ...

Total number of USA Licensed Amateurs by Class  
As of July 31, 2005

Novice - 27,975 (-43.28%) (-21,354)  
Tech/+ - 317,655 (-5.02%) (-16,800)  
General - 136,435 (+20.81%) (+23,490)  
Advanced - 75,812 (-24.28%) (-24,236)  
Extra - 106,900 (+35.74%) (+28,150)

Total All Classes - 664,040 (-865 since the last reporting period)

## Biography - Club Photographer

Maggi Campbell N7HCP



I always enjoyed watching how much Val and his Ham Radio friends enjoyed their hobby. After

Val's life long friend John Merrill (K7NJY) went SK late last year I decided I wanted to become an Amateur Radio Operator also.

So I was first licensed in June as KE7BAM and immediately applied for and received my vanity call sign N7HCP. I am currently studying for my General Class license. I like the process of learning the code but currently seem to be saturated - can't remember one more dit or dah.

Wish me luck. I enjoy ham radio club activities and club sponsored civil event activities also.

73 - Maggi N7HCP

*Next month stay tuned for another OARC Officer/Member Biography.  
It could be you!!!*

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## New OARC Members

Congratulations to the following new members of our club.

**July 2005**

**Gary Heckman, KC7FHP**

# CLUB NEWS

## Club Badges now available (repeat notice)

OARC Club badges are now available for all club members and non-members also for \$8.00 each. Place your order along with \$8.00 in advance for each badge ordered and specify pin or magnet type fastener. Contact **Director #2: [James Clarke KD7SWL](#)**.

## ARRL Membership (repeat notice)

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 **Treasurer: [Charles Horn K7SST](#)**.

## Join OgdenARC Yahoo Group (repeat notice)

Join our club Yahoo Group to stay in touch with what's happening. Optionally you can choose to automatically receive club email to keep you informed and up to date on everything that's going on.



*[Join to receive club email](#)*

To join visit the club web site home page and click on this icon.



# AR HOBBY NEWS

## FCC CHAIRMAN MICHAEL K. POWELL RESIGNS

**YES!!! YES!! YES!**

**FCC** Chairman Michael K. Powell announced January 21 that he'll step down, effective "sometime in March." Nominated by former President Bill Clinton, Powell joined the FCC in 1997 and became its chairman two days after President George Bush was sworn in for his first term in 2001. ARRL CEO David Sumner, KIZZ, called Powell's performance "a deep disappointment" after some initial optimism—especially given his unabashed cheerleading on behalf of the FCC's broadband over power line (BPL) initiative.

"It's no secret that we thought Chairman Powell was going entirely in the wrong direction on BPL and dragging the other commissioners and FCC staff along—willing or not—because he was, after all, the chairman," Sumner said. "A new chairman might be a chance "for a fresh start."

When the FCC adopted new Part 15 rules for BPL last October, Powell called it "a banner day." While conceding that BPL will affect some spectrum users, including "all those wonderful Radio Amateur Operators out there" Powell implied that the FCC must balance the benefits of BPL against the relative value of other licensed services. He listed the FCC's adoption of BPL rules among the "policy highlights" of his tenure.

QST - March 2005

## UPCOMING EVENTS

August 2005

[OARC Steak Fry + Elections + Membership Renewal](#)

- When:** 3rd Saturday August 20, 2005 @ 05:00 pm
- Activity:** Steak Fry + Elections/Membership Renewal + Auction/Swapmeet
- Where:** Shady Lane Park - Pleasant View Utah    Talk-in: -146.82 (pl=123)
- Bring:** "Dish to pass" plus "Eat-ware" (unless you enjoy eating steak on paper plates)

# FEATURE ARTICLE

## BEACON IN A BOX

(10 meter auto beacon)

By Jim Southwick, N7JS

I've always been fascinated with HF beacons. Listening for them is a great way to find out if a particular band is propagating and from what direction. The 10 meter band especially interested me because the FCC will allow a licensed operator to set up an unattended beacon. Care however should be exercised to check on your beacon regularly. The agreed upon segment is from 28.200-28.300 Mhz. When the band is open, you can generally hear beacons throughout this range from all parts of the world using very little power and often a simple vertical or dipole. Conversely, you can also transmit a beacon to all parts of the world with the same criteria.

My goal with this project was to forgo dedicating an HF radio for the beacon and instead make a nice complete all in one unit that could fit in your hand and be portable, yet have the look of a nice little base station unit. I also wanted to keep the cost for everything under \$100.

This project features a control interface that will store the CW message and key the transmitter automatically at intervals you determine. I love bells and whistles, therefore for the front of the beacon unit, I incorporated an RF meter, a switch to turn on the system of course, a switch to change between 2 different frequencies (in case one is busy or taken), a switch to turn the monitor speaker on and off (who wants to hear that 24 hours a day), and a switch to turn a light on for illuminating the meter. I needed the last item to save power in case of portable use.

For the back of the case, I have a power jack that can be used for a 12 volt power supply or auto - or able to run 9 volt portable (complete with a 9 volt battery holder). I also have a DB9 connector for connecting this item to a computer for programming the beacon message and intervals easily. I also decided to use a SO-239 for the antenna (not an RCA or BNC jack). At this frequency, we will be just fine with this much more convenient connector. This will also allow me to connect a portable back of set antenna to the back if I desire for a complete all in one setup. For

portable use I simply purchased a back of set CB antenna from Radio Shack. The miraclewhip antenna would also work nicely in this case. Well, with all the external hardware planned out, it was time to plan out the guts for this item. Namely a beacon interface and a transmitter.

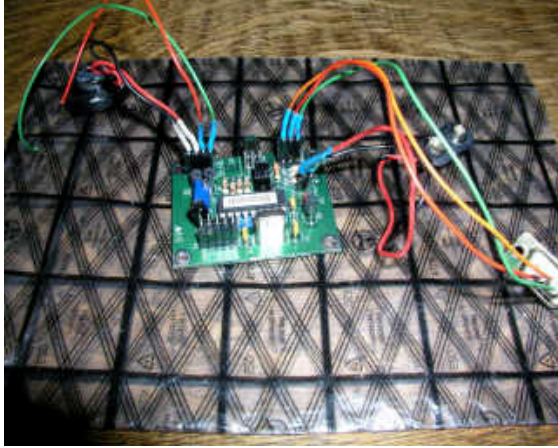
So it's time to begin!

Start off with the interface called the Freakin Beacon. This kit is available from <http://www.expandedspectrumsystems.com> for \$30 plus shipping. The reason I went with this interface over others is the easy ability to program it from a DB9 connector as well as the included LED feature for the visual I wanted for my item. It is a very high quality interface that goes together easily and can be completed in just a few hours.

If you are going to build a kit like this, you need to spend a few dollars at the local radio shack or other parts store. You are going to need 4 toggle switches (2 DPDT and 2 SPST), 9 volt battery clip holder, DC input jack and plug, SO-239 chassis mount connector, DB9 computer cable and connector, a couple of chassis mount LED's (NOTE: the interface kit comes with the LED's, however they are circuit board mounted types and I wanted chassis mount LED's), wire clips, hookup wire, mini speaker, 9 volt battery connector, heat shrink tubing, rubber feet for the case, and of course the metal case itself.



Well here is the beacon interface. Put together very carefully including using heat shrink tubing around all connectors. It's all tested - all programmed with my callsign and a plead to qsl if you hear it...works perfectly...so 1 hurdle completed.



As you can see, I have the completed unit sitting on an anti-static bag now that the IC has been installed. Nothing is a bummer like walking around on the carpet, admiring your work, (beating on your chest) and then picking it up and zapping it with electrostatic. Always make sure you are not carrying around thousands of volts in your body and then touching your circuit board as the first thing when you sit down (I've done it)...just find the closest ground (or person!), give it a zap, and then get back to work on your project.

At this point, I decide to do some metal work and put together a very compact case that will hold everything. I go the smallest case possible. You can get this small metal case from Radio shack for a couple of bucks. Be sure to lay everything out with pencil before drilling - taking into account switches are much bigger than just the toggle part, etc. Watch out for that lip of the case also as it covers space also.



If you don't have a dremel tool, you shouldn't even be thinking about this especially when it comes time to do the cutouts for the meter and DB9 connector. It's the handiest tool you will ever own and they are relatively inexpensive now. Grab your dremel and some good sharp drill bits and go to town. Keep everything as straight as possible. As you can see I have placed the hole for the meter in the middle with two switches on each side and the LED's between the switches. The back will need the hole drilled for the SO-239 and DC connector as well as the DB9 cutout. You will also need to drill one small hole for the 9-volt battery holder. Having done that - it's time to paint it! Sheet metal is ugly!



Grab yourself some 320 sandpaper and work your way down to 600 sandpaper...leaving a nice prepared piece of steel for painting. Then lay down some gray primer for a base as shown here. We are going to do a classic MFJ 2 tone paint job on this item (not a bad color scheme I figure)...so get your semi flat black and beige spray paint ready. On the bottom of the case you will be drilling some holes as can be seen in this picture for the small speaker.



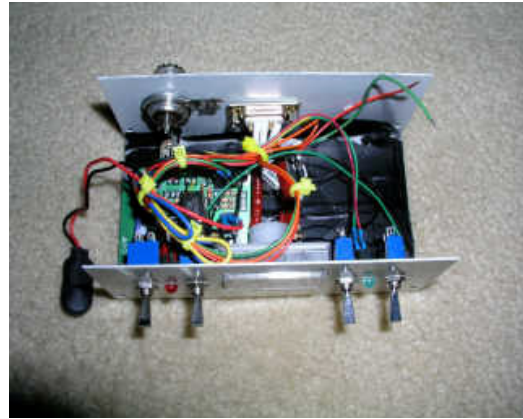
Several coats of paint later...you have a case that you can be proud of. Let it all cure before installing all the mounting components.



Now it's time for some fun stuff. I mounted all the switches and the RF power output meter. The meter was pulled from an old CB. I put just a little crazy glue on the lip edges in order to affix it. The beacon control interface is all wired in. All works correctly so far. Now to spruce things up on the inside so I am ready for the next stage.



I can't stand a rat's nest, so I do some organizing with the help of some small wire clips. The bottom of the metal case is lined with electrical tape to prevent shorts. You can see I have also mounted the RF connector and the computer data connector on the back as well. I'm over half way done now. The 9-volt battery works great for testing. I will now wire up the power permanently. All there is left to do is hook up the keying lines to the transmitter, the crystal switch, coax line, power and the most important item - the transmitter.



10-meter stand alone CW kits are next to impossible to find. It seems like you can find 20, 40 and 80 meter ones all day long, but good luck finding a 10 meter one. After searching and searching I finally located just the ticket. The transmitter is a kit called "the little Joe". You can get the whole works from [www.danssmallparts.com](http://www.danssmallparts.com) for right around \$25. Again, this can be built in just a few hours. You will need to specify the 10-meter version. The toughest part of this kit is the 3 torroids, but don't let them intimidate you. They go quite easily. As you can see, I have added a heat sink around the amp transistor. Running a beacon 24 hours a day is going to get this puppy hot...so use something to cool it down.



Well, the transmitter was bigger than I planned on! Soooooo things got really cramped and it wouldn't fit in the place I had planned on the left side of the case...so I had to put the transmitter upside down in the case. Lucky for me, I'm able to pull this stunt off. Time to Light This Candle!



And here is the finished product back and front...including help from a handy label machine. I connected the RF output meter to the interface status LED so every time it blinks when sending CW, the meter moves. In order to calibrate it, I added a resistor in line so it swings just under a watt.



(Front View)



(Rear View)

I think it turned out pretty sharp and it's already been heard all the way to Poland and several states as of this writing. I even created a web site at <http://weatherstation.tripod.com/beacon.html> in order for others to see where it has been heard and learn a little more about it. It currently is on 28.225 so if you hear it...send me a report and I will send you back a card. If you want to know if the beacon is running locally - you can tune my on-line tuner located at [www.jimandleah.com](http://www.jimandleah.com) to the frequency of the beacon. For a very good list of beacons worldwide I have found G3USF's website of worldwide beacons helpful located at <http://www.keele.ac.uk/depts/por/28.htm>.

By the way, a feature I didn't include that you may want to incorporate would be to add a key jack. That way your project could double as a portable or base QRP CW transmitter.

I hope you enjoyed this project and I look forward to possibly hearing your 10-meter beacon on the air.

73,  
Jim Southwick, N7JS



(Amateur Radio Station N7JS )

Jim Southwick  
3385 Harrison Blvd. #3  
Ogden, Utah 84403  
[soujim@wfrmls.com](mailto:soujim@wfrmls.com)

(Jim Southwick has been licensed since 1976 at the age 12. In addition to this project, he also runs a free User Controlled Online Tuner for the benefit of hams at [www.jimandleah.com](http://www.jimandleah.com).)

# ANNOUNCEMENTS

## Next Club Meeting:

**3<sup>rd</sup> Saturday August 20, 2005**

- The Ogden Amateur Radio Club meetings are held on the **3<sup>rd</sup> Saturday** of each month.
- **Time: 05:00 pm**
- **Location:**

**Shady Lane Park  
Pleasant View Utah**

This is the new park west of the Pleasant View city offices at the corner of 500 W and Elberta Drive (within view of Weber High School).

- **Activity:**  
**Steak Fry + Elections**
- **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:

**October 5, 2005**

- Exam sessions are held in Ogden every few months, *usually* the first Wednesday in February, June, and October.

**Time: 05:00 pm** *Walkin's 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 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 Bldg #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
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 HF LSB
Daily @ 07:30 PM mst	Utah Code net HF	3.708 Mhz HF CW
Daily @ 08:00 PM mst	Utah Farm net HF	3.937 Mhz HF LSB
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
<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	CSERG	145.770 simplex
Wednesday @ 9:00 PM	No Utah 10m net HF	28.313 Mhz HF USB
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 HF LSB 3 <sup>rd</sup> Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB



## OARC OFFICERS

President: [Gary Liptrot N7ZI](#)  
Vice Pres: [Mary Hazard W7UE](#)  
Secretary: [Jim Southwick N7JS](#)  
Treasurer: [Charles Horn KD7SST](#)

Director #1: [Mike Fullmer KZ7O](#)  
Director #2: [Jim Clarke KD7SWL](#)

## "WATTS NEWS" e-Magazine

Editor: [Val Campbell K7HCP](#)  
Photographer: [Maggi Campbell N7HCP](#)

## OTHER CLUB FUNCTIONS

VE Liason: [Mary Hazard W7UE](#)  
Repeater Engr: [Mike Fullmer KZ7O](#)  
Webmaster: [Val Campbell K7HCP](#)

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