



# WATTS NEWS



**The Best of Amateur Radio**

## OARC e-Magazine

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

**APRIL 2017**

Next Club Meeting/Activity

**Riverdale Fire Station**



Jason Miles KE7IET  
President



Mike Taylor KE7NQH  
Vice President



Ceva Cottrell KE7IEV  
Secretary



Jerry Cottrell KG7IGW  
Treasurer



Mike Neal K7MLN  
Program Director



Dave Mamanakis KD7GR  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

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## **PREVIOUS CLUB MEETING/ACTIVITY**

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### **March Meeting**

**3rd Saturday 18 March 2017 @ 10:00 AM**

**WC Library—South Ogden**

**John Jacobs W7DBO**

**'Utah Digital Communications Conference**

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## **NEXT CLUB MEETING/ACTIVITY**

### **April Meeting**

**3rd Saturday 15 April 2017 @ 9:00 AM**

**Riverdale Fire Station**

**Topic**

**Solar Powered Station – A Buyer's Guide**

**by Chris Clement K7CTC**

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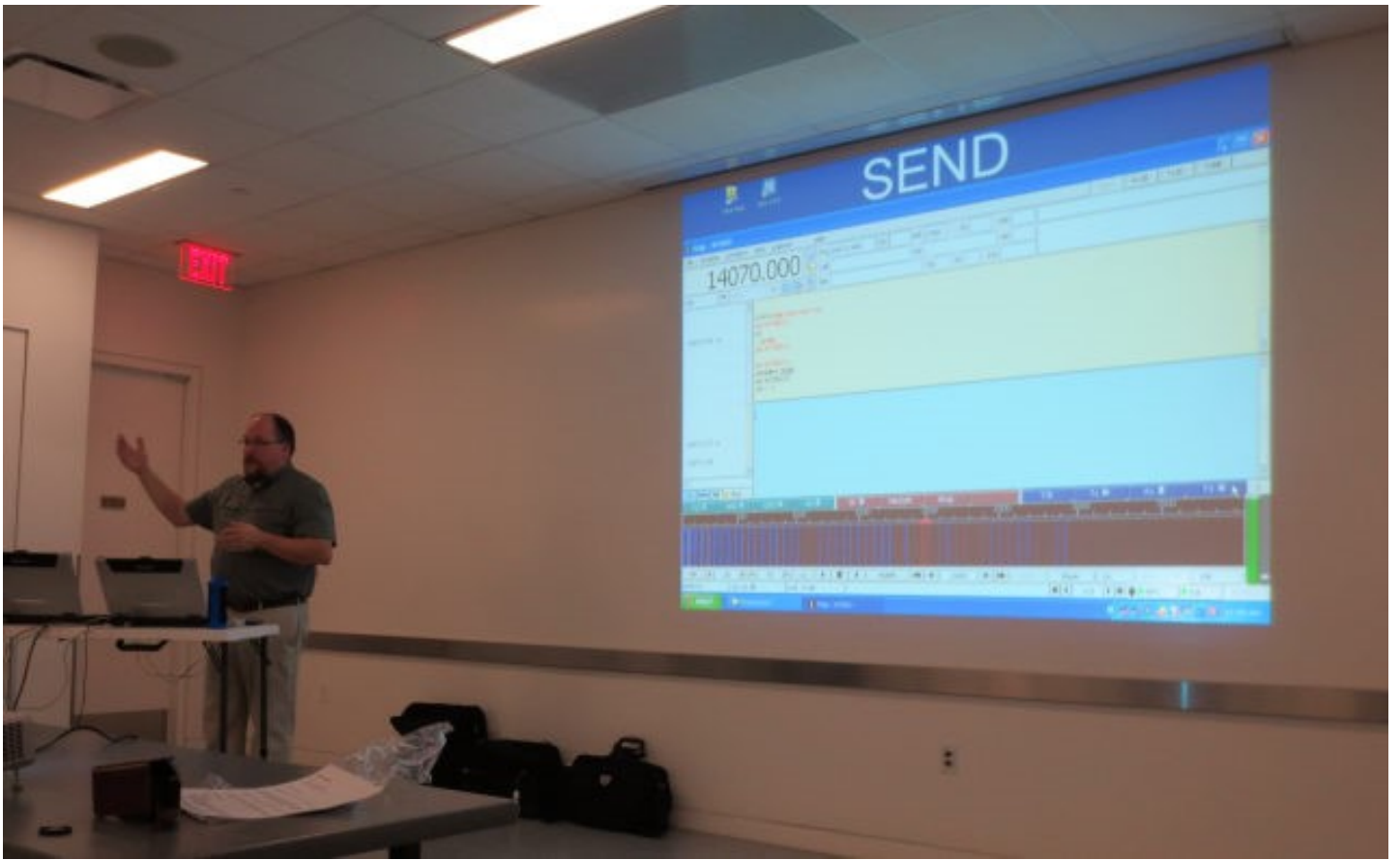
## PREVIOUS MEETINGS PICS

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Club Photographer ... Ceva Cottrell KE7IEV









## From the Shack of KE7IET



**Jason Miles KE7IET**

**From the Shack of KE7IET**

Thank you for understanding as we changed the meeting location last month, just for March. We are very fortunate that the Riverdale Fire Department lets us use their room, especially for free. However in March, the fire department needed their room for their own purposes.

As we approach summer, I wanted to extend an invitation to the club's activities. Here's what we have coming.

- **April Club Meeting: April 15** We will hold our normal club meeting at 9 a.m. at the Riverdale Fire Station.
- **Technician License Class: May 3, 17, 24, and 31** We postponed our license class from January to May. If you or someone you know wants a license, please contact Mike Taylor KE7NQH ([metaylor@xmission.com](mailto:metaylor@xmission.com)). The class will be held from 6 to 8 p.m. each night at the Weber County Sheriff's Office training room. We also plan to be available before and after class for questions. We'll be using *The ARRL Ham Radio License Manual, Third Edition*. The club has a limited number of manuals available for sale at \$25 each. At the end of the class, the club will buy back unmarked books in good condition for \$20 each. If you are interested in teaching, please contact Mike Taylor.
- **Golden Spike Special Event Station: May 9 and 10** Our club celebrates the anniversary of the driving of the golden spike by holding a special event station at the Golden Spike National Historic Site. It's a great opportunity for technician-class operators to operate on the HF bands because we try to have a general- or extra-class operator there as control operator. We operate in a location visible to the public so we can answer questions about ham radio. Those If you are interested in participating, please contact Dave Mamanakis KD7GR ([kd7gr@arrl.net](mailto:kd7gr@arrl.net)). The event runs from 9 a.m. to 5 p.m. each day. Those who come on Tuesday morning can help set up the station, and those there on Wednesday afternoon can help put it away.

## Continued ...

- **Ogden Marathon: May 20** While this is not an event sponsored by the Ogden Amateur Radio Club, the Weber County Sheriff's Emergency Communications Team (the ARES team) will be supporting the marathon using amateur radio. If you'd like to participate, we can help you get in contact with the ARES team. Helping with public service events like this is good practice for emergency situations.
- **May Club Meeting: May 20** We will hold our normal club meeting at 9 a.m at the Riverdale Fire Station.
- **Field Day: June 24 and 25** Join us at Marriott Park (1150 South 1200 West, Marriott-Slaterville) from noon Saturday until noon Sunday. (Those are the operating times.) You can also come around 9 a.m. Saturday to help set up or stay late on Sunday to clean up. Again, this is an excellent opportunity for those with a technician-class license to operate on HF. In addition to operating, we'll also have a pot-luck dinner together early Saturday evening. Field Day replaces our June club meeting.
- **Fox Hunt: July 15** This is an event meant to hone your radio direction-finding skills. The club sets up a 2m beacon in one of the public parks in Weber County (west of the mountains), and your job is to find it. The first one to find the beacon gets a prize, but everyone who comes gets breakfast. The fox hunt replaces our July club meeting.
- **Steak Fry: August 19** This is many events rolled into one. First, it is one of our annual socials. Second, it is our annual officers election. Third, it is a steak, hot dog, and pot-luck dinner. Fourth, it is an auction. If you would like to nominate yourself or someone else for one of the board positions, please let us know. The auction consists of items donated by club members for the benefit of the club. The location will be Marriott Park (1150 South 1200 West, Marriott-Slaterville). The steak fry replaces our August club meeting.
- **Swap Meet: September 16** Three clubs (Davis County ARC, Utah ARC, and Ogden ARC) meet in Bountiful to have a swap meet. It's a good place to pick up used gear at a good price. The swap meet replaces our September club meeting.

I hope you'll join us for some or all of these events.

Jason Miles KE7IET

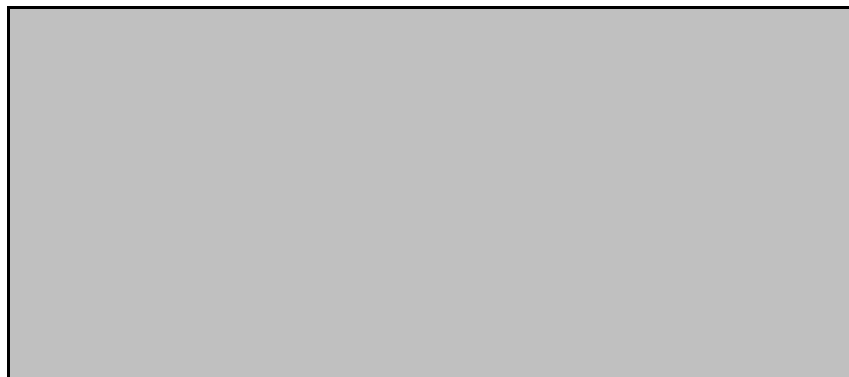




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## OARC COMING EVENTS

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**Golden Spike Event**  
**09 & 10 May 2017**

**OARC Tech Class**  
**Wednesdays May 2017**

**Weber Co VE Test Session**  
**Wednesday 07 June 2017**

# CLUB NEWS

## HAM and EGGS Net

Tuesday Evenings at 7:00 PM Mountain Time

Mt Ogden 2 meter repeater 146.90 Mhz (-5 Mhz offset, 123.0 PL Tone)

New, Intermediate & Old Timers. Elmering, Education, General Ham Discussion and Rag Chew.

New hams encouraged to check in. Get connected, learn new things and ask questions.

Questions: Mike Neal [K7MLN@hotmail.com](mailto:K7MLN@hotmail.com)

## **CLUB NEWS**

**Next OARC Licensing: Technician Class ...**

**Wednesday 03, 17, 24, 31 May 2017**

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**Next Weber County VE Test Session ...**

**Wednesday 07 June 2017**

## CLUB NEWS

### QST SPECIAL EVENTS

**05/09/2017 |**

**1869 Transcontinental Railroad Golden Spike Commemoration**

**May 9-May 10, 1500Z-2300Z, W7G,**

Promontory Summit, UT. Ogden Amateur Radio Club. 14.255 7.235.

QSL. Ogden Amateur Radio Club, PO Box 3353, Ogden, UT 84409.

1500Z to 2300Z daily.

Lucky contacts may hear actual whistles from the "Jupiter" and "119" replica locomotives.

[w7g.org](http://w7g.org)

## HOBBY NEWS



### WIMU Hamfest

We are pleased to announce that a site and date has been secured for the 2017 WIMU Hamfest.

**It will be held on June 16, 17, 18 2017**  
**Location: Garden City, Utah on Bear Lake.**

Space has been reserved at the "Town Center" with additional space at the city park Bowery where a pancake breakfast will be served Sunday morning as well as closing meeting and main prize drawings.

Two very large rooms will be used for meetings, women's activities, kids activities and bingo. Perfect outdoor location is being supplied for the swap meet and very large lawn area for outdoor games and dealer booths.

There is a large RV park next door which will start taking reservations in January. They also have tent spaces and ATV rental. So far we are planning on having lunch available Saturday with a pancake breakfast Sunday morning. Costs will appropriate for families.

More information on that site will be on our website shortly when we build it under

"[wimuhamfest.org](http://wimuhamfest.org)".

Please save the date and spread the word. Thank you, hope to see you there.

Larry Jacobs - WA7ZBO

John Jacobs - W7DBO



## New Bands! FCC Issues Amateur Radio Service Rules for 630 Meters and 2,200 Meters

03/31/2017

It's been a long time coming, but the Amateur Service will get two new bands in the near future. The FCC on March 28 adopted rules that will allow secondary Amateur Radio access to 472-479 kHz (630 meters) and to 135.7-137.8 kHz (2,200 meters), with minor conditions. The *FCC Report and Order (R&O)* spells out the details. It allocates 472-479 kHz to the Amateur Service on a secondary basis and amends Part 97 to provide for Amateur Service use of that band as well as of the previously allocated 135.7-137.8 kHz band. The *R&O* also amends Part 80 rules to authorize radio buoy operations in the 1900-2000 kHz band under a ship station license. Just when the new Part 97 rules will go into effect is difficult to determine just yet; more on that below.

“It's a big win for the Amateur community and the ARRL,” ARRL CEO Tom Gallagher, NY2RF, said. “We are excited by the FCC's action to authorize Amateur Radio access for the first time on the MF and LF spectrum. As amateurs begin using these new allocations in the next few weeks, we encourage the entire Amateur Radio community, as secondary users, to be especially attentive to the rules.”

It has not been an easy win, however. ARRL has been trying since the 1970s to convince the FCC to allow amateur access to parts of the spectrum below the Standard Broadcast Band. Through the Utilities Telecoms Council (UTC), electric power utilities have opposed Amateur Radio use of the MF and LF spectrum, raising unsubstantiated fears of interference to unlicensed Part 15 power line carrier (PLC) systems used to manage the power grid. The FCC said the Amateur Radio service rules it has adopted for 630 meters and 2,200 meters allow for co-existence with PLC systems that use the two bands.

Here are the highlights:

- Amateurs operating on 472-479 kHz will be permitted a maximum equivalent isotropically radiated power (EIRP) of 5 W, except in parts of Alaska within 800 kilometers (approximately 496 miles) of Russia, where the maximum would be 1 W EIRP. [EIRP is the product of the power supplied to the antenna and the antenna gain in a given direction, relative to an isotropic antenna (absolute or isotropic gain). EIRP is equal to ERP multiplied by 1.64.]
- Amateurs operating in the 135.7-137.8 kHz band will be permitted to run up to 1 W EIRP.
- The FCC is requiring a 1-kilometer separation distance between radio amateurs using the two new bands and electric power transmission lines with PLC systems on those bands. Amateur Radio operators will have to notify the UTC of station location prior to commencing operations. The FCC Wireless Telecommunications Bureau will provide details on the notification process later, but ARRL is urging radio amateurs interested in operating on either band to register at the earliest opportunity, to avoid having to protect any “post-notification” PLCs.
- The FCC placed a 60-meter (approximately 197 feet) above-ground-level (AGL) height limit on transmitting antennas used on 630 meters and 2,200 meters.

The bands would be available to General class and higher licensees, and permissible modes would include CW, RTTY, data, phone, and image. Automatically controlled stations would be permitted to operate in the bands.

# GUEST ARTICLE

By Dan, KB6NU

## Interesting gadgets I wish I had time for

I'm on a lot of mailing lists and participate in a bunch of amateur radio forums. As a result, I see a lot of interesting gadgets that guys are buying or are thinking about buying. Here are three of the latest that look interesting to me. I wish I had time (and money) to purchase all of these and try them out.

### Android antenna analyzer

On Reddit ([https://www.reddit.com/r/amateurradio/comments/60nnp1/finally\\_got\\_my\\_mini60\\_ebay\\_antenna\\_analyzer\\_time/](https://www.reddit.com/r/amateurradio/comments/60nnp1/finally_got_my_mini60_ebay_antenna_analyzer_time/)), some of the guys have been talking about the Mini60 Antenna Analyzer (<http://www.ebay.com/itm/CW-USB-Interface-Cable-WINKEYER-compatible-3-5mm-plug-/132121085623?hash=item1ec307c6b7:g:up8AAOSw241YeTei>). Its frequency range is 1 – 60MHz, but the cool thing about this device is that you can use it standalone with the built-in LCD display or with some software ([http://www.jtelectronics.co.nz/information\\_links/MINI60/Add-Bluetooth-Module-To-MINI60-Antenna-Analyser.htm](http://www.jtelectronics.co.nz/information_links/MINI60/Add-Bluetooth-Module-To-MINI60-Antenna-Analyser.htm)) and a tablet with a Bluetooth interface to get fancy frequency vs. SWR plots. See <http://www.kb6nu.com/wp-content/uploads/2017/03/mini60-ant-analyzer.jpg> for a photo of the Mini60 Antenna Analyzer being used with an Android tablet.

Of course, this is made in China, but how can you beat the price? It costs \$112 shipped.

### Multi-functional component tester

Here's another marvel of Chinese engineering and manufacture – a smart component tester ([http://www.banggood.com/3\\_5inch-Colorful-Display-Multi-functional-TFT-Backlight-Transistor-Tester-p-1083042.html](http://www.banggood.com/3_5inch-Colorful-Display-Multi-functional-TFT-Backlight-Transistor-Tester-p-1083042.html)) for only \$30, shipped. It identifies and characterizes NPN and PNP transistors, capacitors, resistors, diodes (including Zener diodes), N-channel and P-channel MOSFET, IGBT, JFET, triacs, and batteries.

This isn't the first smart component tester to hit the market, but the unique thing about this unit is that it has a graphical display that not only identifies the type of component that you've connected to it, but also draws the schematic symbol of the part. You can see a video of this tester in action at <https://www.youtube.com/watch?v=07FH6tjzwWg>.

Continued ...

## Continued ...

Make your Raspberry Pi into a desktop PC

Newark/element 14 will soon start selling a kit of part that will make it easier to turn your Raspberry Pi into a desktop PC ([https://www.element14.com/community/docs/DOC-83477?CMP=e-email-SEPO-210317-e14PI&et\\_cid=28941683&et\\_rid=1231362216&cmp=](https://www.element14.com/community/docs/DOC-83477?CMP=e-email-SEPO-210317-e14PI&et_cid=28941683&et_rid=1231362216&cmp=)). The kit includes:

- Intelligent and Safe Power Controller
- Interface to connect mSATA SSD (upto 1TB)
- Real Time Clock to keep track of time
- Heat Sink
- Enclosure

They don't list the price just yet, but this might be what I need to actually make use of the Raspberry Pi 3 I bought several months ago.

If you have one of these gadgets, or buy one in the future, please let me know how you like it. I'll put your review up on my blog, so that everyone can benefit from your experience.

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When he's not drooling over electronic gadgets, Dan blogs about amateur radio at KB6NU.Com, writes the "No Nonsense" amateur radio study guides, and teaches ham classes. You can contact him by e-mailing [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).



# FEATURE ARTICLE

By Kent Gardner WA7AHY

## VLA RE-REVISIT

What a wonderful experience...to again visit the Very Large Array (VLA) near Socorro, New Mexico.



This photo shows the VLA dishes in their closest formation. The site is under the National Radio Astronomy Observatory's (NRAO) umbrella.

A total of twenty seven 20 meter diameter dishes comprise the array. There are four configurations, A, B, C and D. The above D configuration constitutes the tightest outline which enables the telescopes to "see" the most sky.

Some may remember my write-up in the April 2013 edition of the Ogden Amateur Radio Club (OARC) Newsletter. That documented my first and second visits there. Two of these trips were taken under the auspices of the Society of the Amateur Radio Astronomers (SARA) of which I am a member. Both were a part of SARA Western Conferences held in Socorro. Of course, I had another reason to make the trip to Albuquerque...and that was to see the grandkids.

Each conference consisted of two days of technical presentations and the highlight was a visit to the VLA.

Some of the topics given were:

Pulsar Observations at 1400 MHz

Searching for NanoHertz Gravitational Waves

VLA Sky Survey

Amateur Radio Astronomy "Five Projects"

Receiver Stability Analysis

Radio Astronomy CubeSats

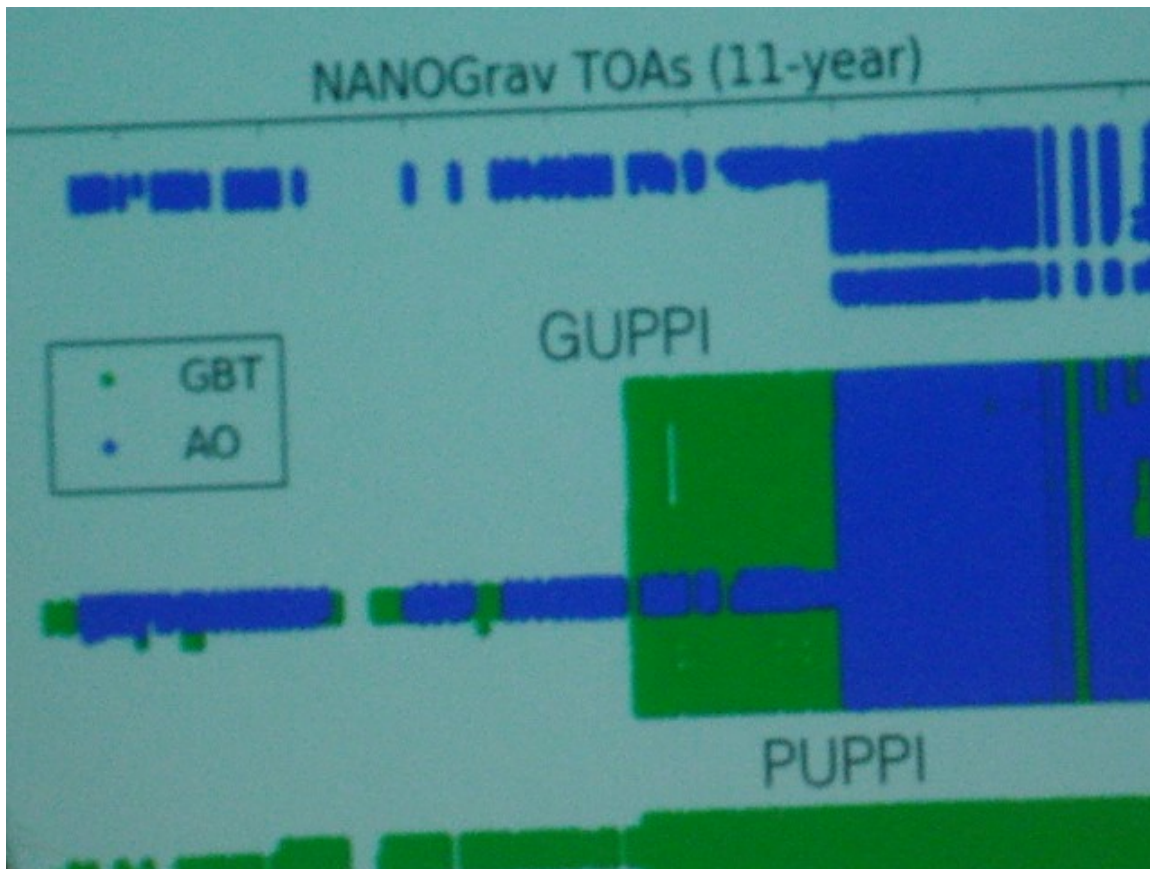
A 21 cm Band Down-Converter System

The VLA visit was great. The site was about 60 miles West of Socorro out into the desert. Even though we didn't get to climb up in one of the dishes like the first conference in 2013, we did get an extended tour of the control and super-computer rooms which normally isn't allowed.

There were about 60 RA enthusiasts in attendance, with about three fourths of them being amateur radio operators. About half of the group were newbies like me, but their overall knowledge level of radio astronomy (RA) was absolutely amazing.

I am always on the lookout for new and interesting things and did find a few that I outline below.

Buried deep in an RA presentation was the following slide. The presentation was how they were trying to detect gravity waves.



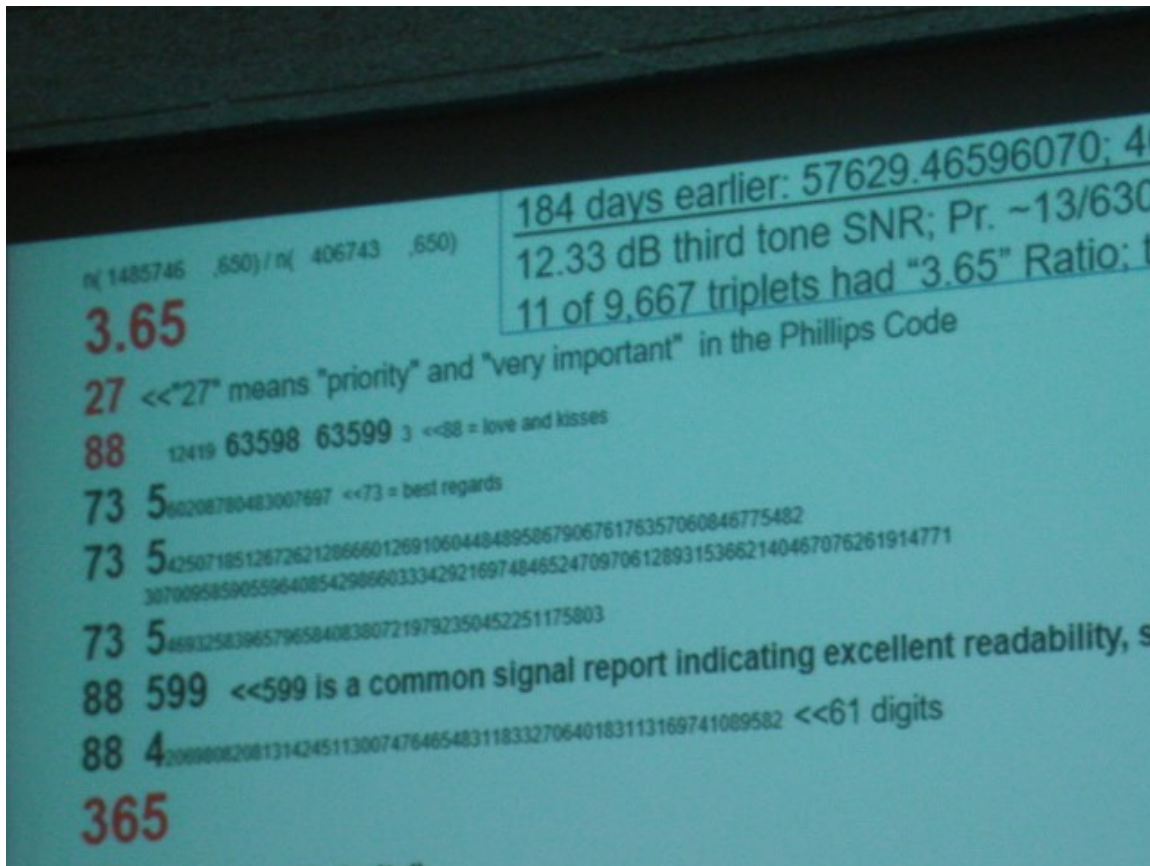
Notice the GBT (Green Bank telescope in West Virginia) and AO is Arecibo (in Puerto Rico).

Guppi and Puppi caught me off guard, so snapped a quick picture. I had to look these up afterwards. NanoGrav (top) is the *North American Nanohertz Observatory for Gravitational Waves*. US/Canadian research collaboration working to detect nHz-frequency gravitational radiation using a pulsar timing array.

GUPPI is the **Greenbank Ultimate Pulsar Processing Instrument**

PUPPI is the Arecibo version. I don't know why P isn't an A unless the P stands for the first letter of Puerto Rico?

Another slide caught my attention. This could only come from a ham operator. The presenter had just finished a presentation on another subject and added a segment on his efforts in the Search for Extra-terrestrial Intelligence (SETI). All in all, it was interesting to see how his brain worked.



Can you tell that he worked Continuous Wave (CW)?

In the left column, 73 is, of course, Best Regards and 88 is Love and Kisses in ham speak. I even see a 599 on the screen which it says is a good signal report. He programmed his computer to look for these numbers. He found that these digits were reoccurring and figured that they must be significant in some way.

In the upper right corner is a note that 11 of 9,667 triplets had a "3.65" ratio. If I remember correctly, he used the rotation of the earth thinking that if an outer-space resident might be transmitting he would have a chance of receiving the signal when the Earth was facing in the right direction to the radio source. It could be wrong thinking on my part, but to me the earth would be in the proper position every day. I am way out of the loop about the rotation of the earth, but sidereal timing should come into play. A sidereal day is 23 hours 56 minutes and 04 seconds long if we take into consideration the motion of the stars and the similar motion of the earth.

He quoted the "Phillips Code" in the top line after 27. I had to look this one up on Wikipedia.

The **Phillips Code** is a shorthand method created in 1879 by [Walter P. Phillips](#) for the rapid transmission of press reports by telegraph.

The code consists of a dictionary of common words or phrases and their associated abbreviations. Extremely common terms are represented by a single letter (C - See; Y - Year); those less frequently used gain successively longer abbreviations (Ab - About; Abb - Abbreviate; Abty- Ability; Acmpd - Accompanied).

The terms [POTUS](#) and [SCOTUS](#) originated in the code<sup>[1][2]</sup> and entered common parlance when newsgathering services (in particular, [Associated Press](#)) adopted the terminology.

Telegraph operators would often interleave Phillips Code with numeric "Wire Signals", to describe the article's priority or confirm its transmission. This [meta-data](#) would occasionally appear in printed newspapers,<sup>[3]</sup> especially the code for "End of article" - 30.

My note: Potus means the President of the US and Scotus is the Supreme Court of the US.

This out-of-box thinking was refreshing to see even though it seems too-good-to-be-true. Who knows, this may spark someones else's thought process and change the world forever.

The next picture shows that we are all human.



OF should be OFF and some Ss probably need to be added.

There is an “old engineers tale” that says that engineers who are so bright in math and science are woefully lacking in English and writings skills. Was it an engineer who made these mistakes on the sign or could it just be that the sign department ran this through spell check and did not catch the missing letter. I suspect that it was more than this. They should have realized that Ss should have been added to phone and transmitter making a “consistent” grouping of words. Also, why would microwaves be a part of the sign. It turns out that visitors who have Recreational Vehicles sometimes have microwave ovens in them. The VLA actually has two microwave ovens on site in the lunchroom, but they are enclosed in RF-tight boxes so that two doors must be opened and closed to gain access.

Even with these strange happenings, the conference was a smashing success from my point of view. Even without the grandkids, I would have still made the trip. Many thanks to the leadership of SARA in putting the conference together.

TNX

Kent Gardner, WA7AHY



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## Club Swapmeet

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**“SALE” or “WANTED” ITEMS NEEDED**

OARC's **O-bay (On-Line Swap-Meet)** items needed for the web site...

Visit <http://www.ogdenarc.org/> then click on **Obay-Swap**.

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## FEATURED ITEMS

### SWAP ITEM 181 >>> FOR SALE: YAESU FT1DR HD

For your consideration is a nearly like new condition Yaesu FT1DR HD (the version with the high capacity battery) with original box and all original packaging and accessories. I have added an in-line Anderson PowerPole connector to the charger cable to enable easy 12V charging. I am also including an 8GB Micro SD Card, RT Systems programming software, a heavy duty spring loaded aftermarket belt clip (original clip also included of course), and a Heil Sound Handi-Talkie Headset. I'd prefer to sell everything together as a package but am willing to omit the headset with a \$25 reduction in sale price. I also have a Comet SMA-24 antenna that I am willing to sell.

FT1DR HD (~\$310)

Kingston 8GB Micro SD Card (~\$5)

RT Systems Programming Software (\$25)

BC-102 (spring loaded heavy duty belt clip) (~\$12)

Heil Sound Handi-Talkie Headset (~\$28)

Approximate Retail Value w/o Sales Tax (\$370)

Asking price is \$300 or \$275 w/o headset (cash only)

It's like buying an open box radio from retail and getting a bunch of accessories and software for free.

PRICE: \$300 - see above

CONTACT: Chris K7CTC, (k7ctc (at) iCloud (dot) com)

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### NOTICE

FREE on-line, local swap - help spread the word

<http://www.pocatelloarc.org/swap/>



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## Club Swapmeet

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## FEATURED ITEMS

### SWAP ITEM # 179

#### **FOR SALE: MFJ-4230MV 30 Amp Switching Power Supply**

This switching power supply ran my FT-857D base rig for about a year before I upgraded to a Samlex. It has since remained in it's factory packaging. This is a gently used unit in excellent condition. The current retail value is around \$90. I am asking \$50 (firm).

And if you are trying to build out a base station with your purchase... I also have a 2m copper j-pole antenna and 50ft of ABR Industries RG-8X with a RF choke balun that I would be willing to sell. This is a good opportunity for someone who just has an HT and wants to build a base station to do so for much less than you would be able to at retail price.

**PRICE: \$50**

**CONTACT: Chris K7CTC, (k7ctc (at) iCloud (dot) com**

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## Club Swapmeet

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### FEATURED ITEMS

#### SWAP ITEM # 177

**FOR SALE:** 60ft crank up tower. Aluma model T-60HN.

Includes 120V winch, tilt base plate, YAESU G-800SDX and G-500A rotators, guy wires and house bracket.

**PRICE: \$4000**

**CONTACT: John N7WZ, 208 520 3537 (leave message)**

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#### SWAP ITEM # 176

**FOR SALE:** 40ft mobile air pushup tower.

Includes spare tire for trailer, leveling feet for trailer and guy straps with ground stakes.

Trailer requires 2 in ball.

**PRICE: \$3000**

**CONTACT: John N7WZ, 208 520 3537 (leave message)**

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## Club Swapmeet

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## FEATURED ITEMS

### SWAP ITEM # 175

#### FOR SALE:

Rohn 25G style mast tower (1 foot on the side)

Three 9 foot sections with a top mount section.

The bottom section is buried a foot into a concrete block in the ground.

There is what appears to be an old VHF low band business antenna on the mast.

See picture looking up the mast and me pointing at the first joint.

The owner needs it moved as soon as possible, he will pull the concrete base out of the ground.

Located near the 5000 block on Harrison BLVD in Ogden. Make offer. Email is best for more information.

**PRICE: MAKE OFFER**

**CONTACT: Ray White K7RFW, [CRWHITE@AIRMAIL.NET](mailto:CRWHITE@AIRMAIL.NET)**

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## Club Swapmeet

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### FEATURED ITEMS

#### SWAP ITEM # 174

#### FOR SALE:

#### RFS 1/2" Heliax

RFS 1/2" Heliax new on the roll for \$1.00 a foot. We still have 1000 Ft available and will cut to your length.

This is RFS Cellflex LCF12-50J Heliax cable. It is similar to Andrew LDF4-50A 1/2" Heliax and the connectors fit both cables.

We don't have connectors for this cable but we can show you where you get get them from a number of suppliers starting at \$5.00 each.

**PRICE: \$ 1 / foot**

**CONTACT: Mel Parkes, NM7P at 801-673-6116 or John Lloyd, K7JL at 801-943-8830 - Payment via PayPal at <http://www.utahvhfs.org/>**

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### FEATURED ITEMS

**SWAP ITEM # 171**

**FOR SALE:**

**Hy-Gain AV-14AVQ Vertical 4 band HF Antenna (10m/15m/20m/40m)**

**Antenna was used ground-mounted with 4 radials for two years.**

**Value new = \$189**

**Good stealth antenna as it is only 18 ft. in length.**

**It is complete in the original factory box and includes factory manual.**

**PRICE: \$ 80 (firm), cash only**

**CONTACT: Larry Griffin AD7GL, 801-388-1894, [ad7glqst@gmail.com](mailto:ad7glqst@gmail.com)**

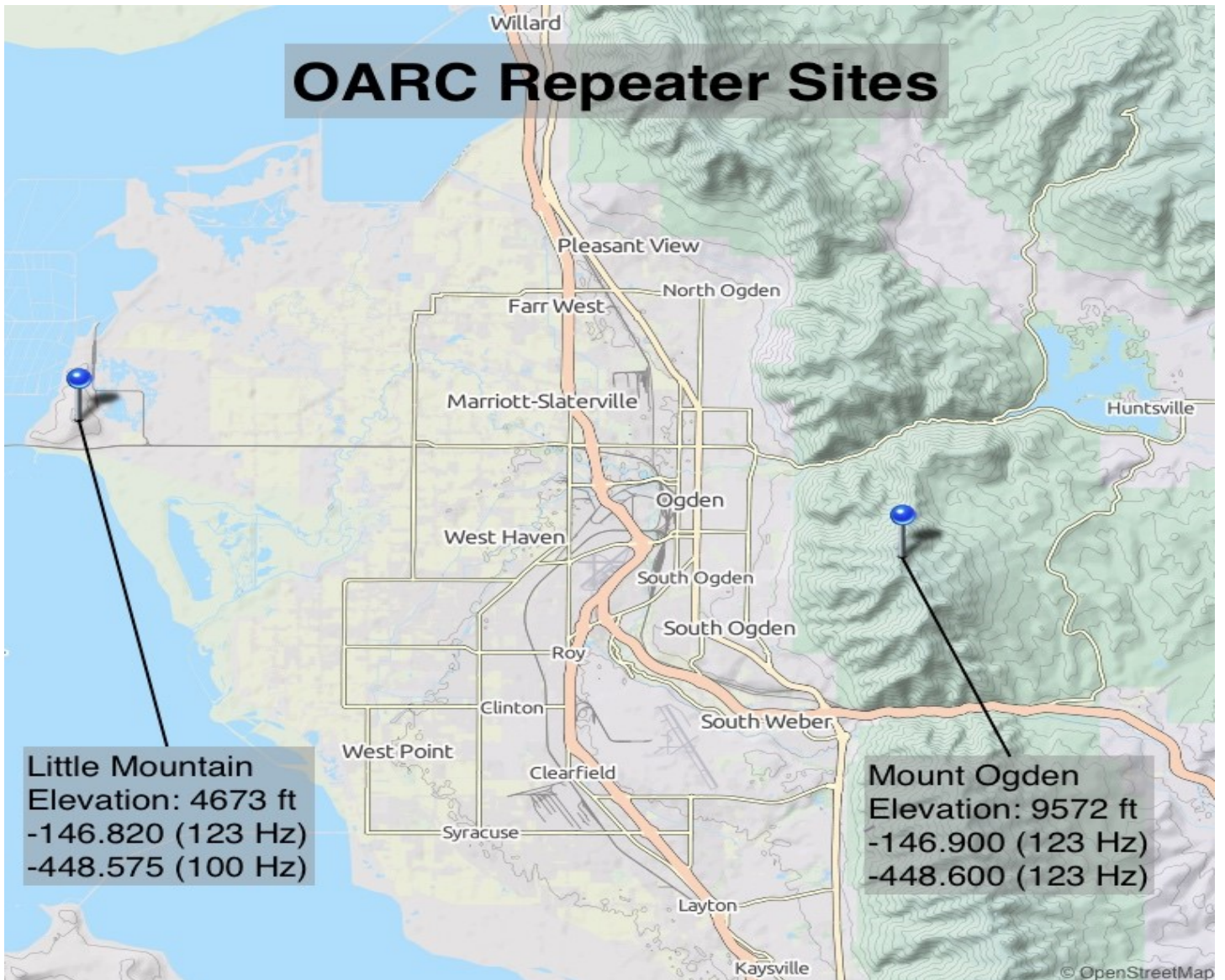
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## CLUB REPEATER NEWS



Scott Willis KD7EKO



Mike Fullmer KZ7O

**Scott Willis KD7EKO and Mike Fullmer KZ7O are the OARC repeater engineers that keep our club repeaters at Mt Ogden and Little Mountain operational.**

## OARC YAHOO GROUP




### Did you know that OARC has a Yahoo Group?

We occasionally communicate with our OARC members via the Yahoo Group. Receive notices regarding upcoming club meetings and future e-newsletter release notices and much more like CHAT items of interest.

You can also send/receive notices to/from other group members yourself.

It's easy to sign up...



Just click on the  icon at the top of the club website home page and then follow the Yahoo Group instructions to create yourself a user ID and password.

## OARC You Tube Channel



### **Did you know that OARC has a You Tube Channel ?**

**A lot of our meeting presentations are recorded and posted to our OARC You Tube channel for you to view at a later date.**

**It's easy to view missed**



**meetings...**

**Just click on the icon on the right hand panel of the club website home page to view recorded meetings preserved for your viewing pleasure.**

## Club Badges

OARC Club badges are available for all licensed club members.

The cost is \$10.00 each. The badge comes with 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 with the club logo. See example below.



Place your order along with \$10.00 in advance for each badge ordered and specify Call Sign and First Name. Contact webmaster or any club officer via email or contact the club treasurer at the next club meeting.

For additional information see club website left side menu and click “Join” to fill out a club application form to order a club badge.



## OARC MEMBERSHIP DRIVE

### SUPPORT YOUR RADIO CLUB

**Don't forget to signup/renew your OARC membership now (\$15) which runs August to August. Consider signing up your spouse as well.**

**Ham + Spouse = \$15 + \$10 = \$25**

**THANK YOU FOR YOUR SUPPORT**

## Join OARC

### Renew your membership now!

Membership in the Ogden Amateur Radio Club is open to anyone interested in Amateur Radio. You do not need an amateur license to join us. You do not need to join the club to participate with us. Dues are used to operate the club, field day activities, and repeater equipment maintenance.

Joining is easy. Come to a club meeting or fill out an application form from the club website (click "Join" from the left side main menu). Instructions for mailing on the form.

**DUES:** Dues are \$15.00 per person and runs August - August. (Ham + spouse = \$25.) More than one ham in the family? Consider the OARC Family plan for \$25.

**NOTE: New Hams >>>** Membership in OARC is complimentary for remainder of 1st year licensed.

## ANNOUNCEMENTS

### Next Club Meeting:

**3<sup>rd</sup> Saturday of each Month**

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

### Meeting/Activity:

**See notices above**

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:

**1st Wednesday Feb, Jun & Oct**

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

**Time: 06:00 PM** *Walk-ins allowed*

**Location: Permanent location**

**Weber County Sheriff Office  
Training Room  
712 W 12<sup>th</sup> Street Ogden Utah**

### Contact: VE Liaison:

**Rick Morrison W7RIK** (Liaison)

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

**Jason Miles KE7IET** (IT)

**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.

## 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.

<b>OARC REPEATERS</b>			
(*) Yaesu Fusion digital/FM compatible			
FREQ	CLUB	TONE	LOCATION
146.900-	OARC (*)	123.0	Mt Ogden
448.600-	OARC (*)	123.0	Mt Ogden
146.820-	OARC (*) "Talk-in"	123.0	Little Mtn
448.575-	OARC	100.0	Little Mtn (w/auto patch)

<b>OTHER AREA REPEATERS</b>			
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
147.040+	DCARC	123.0	Antelope Isl
447.200-	DCARC	127.3	Antelope Isl
449.925-	DCARC	100.0	No Salt Lake
145.290-	GSARC	123.0	Brigham City
145.430-	GSARC	123.0	Brigham City
147.220+	GSARC	123.0	Brigham City
448.300-	GSARC	123.0	Brigham City
146.640-	BARC	none	Logan
146.720-	BARC	103.5	Mt Logan
147.260+	BARC	103.5	Promontory Pt
449.625-	BARC	103.5	Mt Logan
145.250-	WSU	123.0	* coming soon
449.250-	WSU	123.0	* coming soon
145.490-	K7HEN	123.0	Promontory Pt
146.920-	N7TOP	123.0	Promontory Pt
449.775-	N7TOP	123.0	Promontory Pt
147.100+	Morgan	123.0	Morgan Co
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 Co	100.0	Lewis Peak

## AREA CLUB MEETINGS & WEB SITES

CLUB	WEB SITE	DATE/TIME	LOCATION
OgdenARC	<a href="http://ogdenarc.org">ogdenarc.org</a>	3 <sup>rd</sup> Saturday 09:00 am	Check OARC web site ...
WC ARES	<a href="http://ogdenarc.org/join.html#ares">ogdenarc.org/ join.html#ares</a>	2 <sup>nd</sup> Thursday 06:30 pm	Weber Co. Library Ogden Utah
WC Sheriff Comm-O		1 <sup>st</sup> Saturday 10:00 am	Weber Co. Sheriff Complex West 12 <sup>th</sup> Street Ogden Utah
Barc	<a href="http://barconline.org">barconline.org</a>	2 <sup>nd</sup> Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSERG	<a href="http://dcarc.net/ares.htm/">dcarc.net /ares.htm/</a>	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	<a href="http://dcarc.net">dcarc.net</a>	2 <sup>nd</sup> Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	<a href="http://home.comcast.net/~noutares/">home.comcast.net/ ~noutares/</a>	3 <sup>rd</sup> Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	<a href="http://xmission.com/~uarc/">xmission.com /~uarc/</a>	1 <sup>st</sup> Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
GSarc	<a href="http://Ubetarc.org">Ubetarc.org</a>	Check Website	Check Website
Utah DX Association	<a href="http://udxa.org">udxa.org</a>	3 <sup>rd</sup> Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	<a href="http://ussc.com/~uvhfs/">ussc.com /~uvhfs/</a>	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	<a href="http://westdesertarc.org/">westdesertarc.org/</a>	1 <sup>st</sup> Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	<a href="https://groups.google.com/forum/#!forum/wsuarc">https://groups.google.com/forum/#! forum/wsuarc</a>	3 <sup>rd</sup> Thursday 5:30 pm	WSU Blding #4 Room ? Ogden Utah

## LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mt	Utah Beehive net HF	7.272 Mhz <b>HF LSB</b>
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz <b>HF CW</b>
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz <b>HF LSB</b>
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz <b>HF LSB</b>
Sunday @ 7:30 PM	GS ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.100 +123.0
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 @ 7:00 PM</b>	<b>OARC—Ham &amp; Eggs Net</b>	<b>448.600 -123.0</b>
<b>Tuesday @ 8:00 PM</b>	<b>Weber ARES</b>	<b>448.600 - 123.0</b>
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 8:00 PM	GS ARC	145.290-, 145.430-, 448.300- (all 123.0)
Wednesday @ 8:30 PM	CSERG	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz <b>HF USB</b>
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz <b>6-meter USB</b>
Thursday @ 6:30 PM	Davis Co Elmers Net	147.040 + 123.0 <b>New Hams</b>
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0 3 <sup>rd</sup> Thursday - even months only
Thursday @ 8:30 PM	Davis ARES	147.420 = simplex
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mst	RACES State HF	3.920 Mhz <b>HF LSB</b> 3 <sup>rd</sup> Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz <b>HF LSB</b>

## OARC OFFICERS

President: Jason Miles KE7IET

Vice Pres: Mike Taylor KE7NQH

Secretary: Ceva Cottrell KE7IEV

Treasurer: Jerry Cottrell KG7IGW

Program Director:  
Mike Neal K7MLN

Activity Director:  
Dave Mamanakis KD7GR

## "WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

## "OARC" web site

Webmaster: Val Campbell K7HCP

## OTHER CLUB APPOINTMENTS

VE Liaison: Richard Morrison W7RIK  
Jason Miles KE7IET (IT)

Repeater Engineers: Mike Fullmer KZ7O  
Scott Willis KD7EKO

Photographer: Ceva Cottrell KE7IEV

QSL Manager: Ceva Cottrell KE7IEV

Historian/Librarian: Kent Gardner  
WA7AHY

Equipment Manager: Val Campbell K7HCP

Club Call Sign Trustee: Larry Griffin AD7GL

Advisors: Stan Sjol W0KP  
Mike Fullmer KZ7O  
Kent Gardner WA7AHY  
Kim Owen KO7U  
Larry Griffin AD7GL  
Gil Leonard NG7IL

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**73 es cul de W7SU**

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