



# Welcome to the OARC e-Magazine

www.OgdenArc.org

# APRIL 2013

Next Club Meeting/Activity

3<sup>rd</sup> Saturday 20 April 2013

**Topic: EmComm Hamfest** 



Larry Griffin AD7GL **President** 



Vice President



Secretary



Gil Leonard NG7IL Gary Hudman KB7FMS John Shupe K7DJO Treasurer



Rich Kennedy KF7VAQ **Program Director** 



Dave Woodcock WY7P **Activity Director** 



Val Campbell K7HCP Webmaster/NL Editor

## PREVIOUS CLUB MEETINGS

# 3<sup>rd</sup> Saturday 16 March 2013

**Topic:** Get To Know Your Fellow Ham" social

Time: 9:00 AM

Location: Riverdale Fire Station

Meeting Topic: Get to Know Your Fellow Ham" social.

Refreshments will be served.

**Please Bring:** 

Anything Radio-Related that you like to talk about (no formal presentations, just table side conversation).



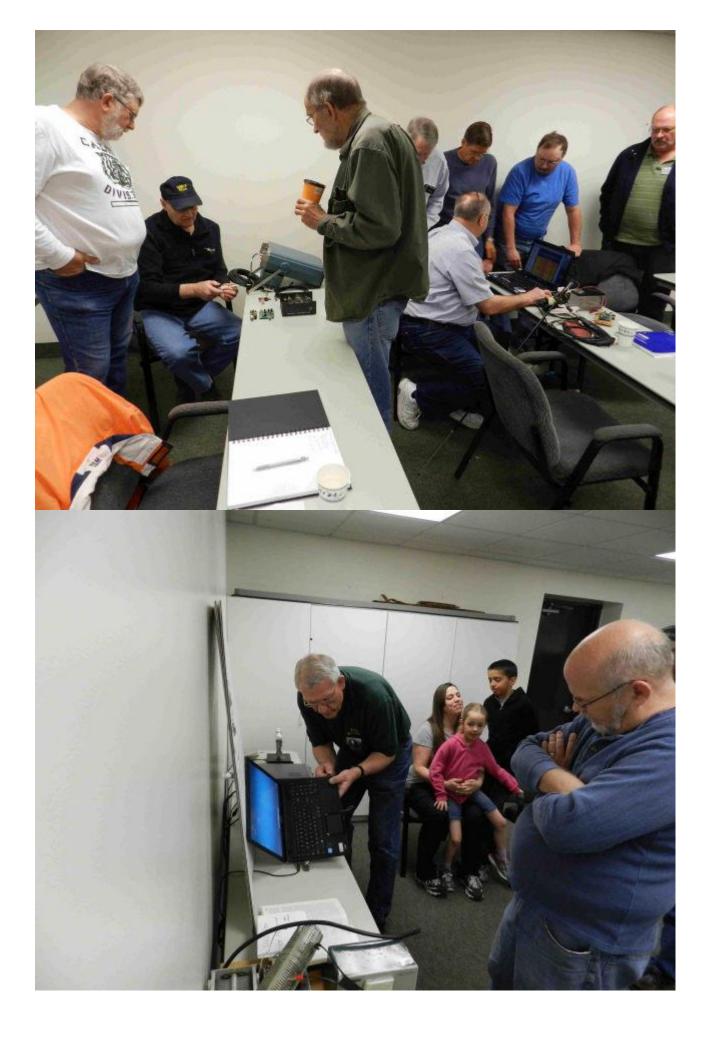




















### NEXT CLUB MEETING

### 3<sup>rd</sup> Saturday 20 April 2013

Activity: EmComm Hamfest
Time: 8:00 AM to 3:00 PM

Location: Ogden Weber ATC campus

Talk-In: 146.90 (pl=123)

Ogden-Weber Applied Technology College - Student Union Building 200 North Washington Boulevard Ogden, UT 84404

NOTE: Student Union Building (near UTA bus stop - west side of campus) Use North Entrance. Plenty of parking on the north side of campus.

NOTE: Subway Boxed Lunch can be purchased/ordered at check-in

#### **ECOMM HAMFEST 2013 REGISTRATION**

Weber County ARES Team and OARC are sponsoring a HamFest on the 3rd Saturday 20 April 2013.

EComm 2013 will be held at the Ogden/Weber ATC on April 20, 2013. (<a href="http://goo.gl/maps/6XyZJ">http://goo.gl/maps/6XyZJ</a>) about 2<sup>nd</sup> North and Washington Blvd in Ogden Utah. Registration is \$5 and will include 3 raffle tickets.

Preregistration (online only) will include 2 additional raffle tickets. Preregistration will still pay at the door. Last day to preregister is April 13.

More information can be found on the pre-registration form at the following website...

>>> Pre Register >>> <a href="http://tinyurl.com/ecomm2013">http://tinyurl.com/ecomm2013</a>

### 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 September - August. Additional family members are \$8.00 each.

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

# Club Badges

OARC Club badges are still available for all club members and non-members. The cost is \$8.00 each. You can order the badge with either a "PIN" clip or a "MAGNETIC" clip. Badge includes your Call Sign in large letters and your First Name in a somewhat smaller font in white lettering on a pitch black background. See example below.



Place your order along with \$8.00 in advance for each badge ordered and specify Pin or Magnet style fastener, Call Sign and First Name.

Contact any club officer via email or see them at the next club meeting. See web site <a href="https://www.ogdenarc.org">www.ogdenarc.org</a> "Club Officers" page.

### Club Swapmeet

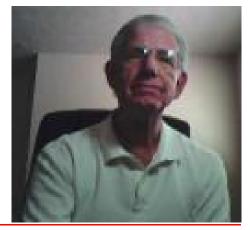
### "SALE" or "WANTED" ITEMS NEEDED

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

Visit <a href="http://www.ogdenarc.org/">http://www.ogdenarc.org/</a> then click on Obay-Swap.

## QST's and QRM from LARRY'S SHACK







Larry Griffin AD7GL President

# QST'S and QRM from Larry's shack

I hope everyone enjoyed the last club meeting as much as I did. The member participation was excellent and "radio related item" sharing was very informative. It was fun to have some time to visit with all of you. If you liked this type of meeting, let us know and we'll calendar it again for next year.

Our Golden Spike Special Event Station club function is upon us. W7G will be on the air during the three days of the Golden Spike Anniversary Celebration. We will be operating on May 9, 10, and 11 from 9 AM to 5 PM. Our station location will be at the visitor center in Golden Spike State Park. We really need your help! We will be covering two hour shifts for all three days. If you can help, please send Dave Woodcock or myself an E-Mail indicating when you can operate. E-Mail and sign up information can be found under the Golden Spike announcement on the main page of the club website. We will greatly appreciate your assistance.

Another fun Field Day is coming up soon. Our Ogden Amateur Radio Club will be operating from the same great location as last year. We will be at Marriott - Slaterville Park again. The park is a neat place to have fun and operate Field Day. We hope you'll be able to join us. Please mark your calendar for June 22nd and 23rd. More information will follow. Please stay tuned.

Club Meeting attendance and membership has improved nicely during the last few meetings. Please remind someone you haven't seen for a while to come to our meetings. It is great to see more people join the fun. *Thanks to all of you for your help!* 

And now for a shot of the latest and greatest mobile station:



I hope to see all of you at the EM COM/OARC Ham Fest on April  $20^{\text{th}}$ .

Thanks for listening.

Larry

### **CLUB NEWS**

# OARC Coming Events

- ARES Northern Utah Hamfest 3rd Saturday 20 April 2013
- Golden Spike Special Event 9,10,11 May 2013
- VE Test Session 1st Wednesday 05 June 2013
- ARRL Field Day Weekend 22,23 June 2013
- "T" Hunt 3rd Saturday 20 July 2013
- Steak Fry & Elections 3rd Saturday 17 August 2013
- Joint SwapMeet 3rd Saturday 21 September 2013
- VE Test Session 1st Wednesday 02 October 2013
- Family Dinner 3rd Saturday 21 December 2013

### Coming in May ... №

**Golden Spike Special Event Station Activity** 

**Date: 9-10-11 Thu-Fri-Sat May 2013** 

Time: 9:00 am to 5:00 pm

**Location: Golden Spike State Park Site** 

Meeting/Activity: Golden Spike Special Event Station

**NOTE:** We need Operators for this event.. Please sign up now.

Any/All class licenses acceptable:

Send email to <u>Larry Griffin AD7GL</u> (ad7gl@msn.com) or <u>Dave Woodcock WY7P</u> (<u>wy7p\_dave@yahoo.com</u>) and specify preference:

>>> Day/Date (9th/10th/11th) & Time slot (9am/11am/1pm/3pm)

### MORE CLUB NEWS

### Submitted by Scott Willis KD7EKO



Mt Ogden Repeater Site

#### Mike Fullmer KZ70

This is the 6th and final picture in a series that Scott Willis KD7EKO and Mike Fullmer KZ7O took from the Mt Ogden repeater site during their recent visit to the site to do necessary repairs.

Scot and Mike are the OARC repeater engineers that keep our club repeaters at Mt Ogden and Little Mountain operational.

Next month: Little Mountain Repeater site repairs

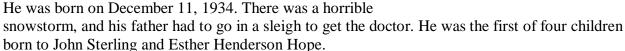
# MORE CLUB NEWS

### William S. Hope - WA7GTL (sk)



(December 11, 1934 - March 30, 2013)

William S. Hope, the love of my life passed away on Saturday, March 30, 2013 at two minutes before Easter Sunday. What a special day for this wonderful man to go back to his Father.



He was raised on a farm in Clifton, Idaho. He worked hard as a young man. Then his parents divorced and he moved to Ogden and lived with his father. He worked for a trucking company until he joined the Navy. He graduated from Ogden High School.

While in the Navy he sustained a life changing event. He became a paraplegic. This did not stop Bill. He became active in Veteranøs Sports Program. Just after he was rehabbed at Long Beach VA Hospital he went on a national tour to play wheelchair basketball. Howard Hughes paid all the expenses. He became a great bowler from a wheelchair. He could do anything he wanted without the use of his legs. He fished and hunted and truly enjoyed life, it was not wasted. He traveled all over the world. He was a great man.

Bill met the lady he loved and adored on a blind date. They were married in Ogden on February 16, 1974. They were later sealed in the Ogden Temple. They traveled extensively.

He was a High Priest in the LDS Church and had held different positions. He had a strong testimony of the Gospel.

He was preceded in death by his parents, and by a brother Claine. He is survived by the love of his life, Diane, three sisters, Leola (Bill) Oberman, Zanetta (Roger) Jacobson, OøEnone Ross, many nieces, nephews and cousins.

Funeral services will be held Tuesday, April 9, 2013 at 11 a.m. at Lindquistøs Layton Mortuary, 1867 No. Fairfield Road. Friends may visit family Monday from 6 to 8 p.m. and Tuesday from 9:45 to 10:45 a.m. at the mortuary. Interment, Lindquistøs Washington Heights Memorial Park, 4500 Washington Blvd., Ogden.

Special thanks go to the doctors and nurses at the ICU Unit at McKay-Dee Hospital. Thanks to all the wonderful friends and family who have been so concerned about Bill and a special thanks to the Koehne family.

In lieu of flowers please send donations to a Veterange Organization of your choice.



### HOBBY NEWS



# 2012 Marks All-Time High for Amateur Radio Licenses

At the end of 2012, there were almost 710,000 radio amateurs in the United States — the largest number in the history of Amateur Radio licensing.

In the past 40 years, the number of Amateur Radio operators in the US has grown at a steady rate:

■ December 1971: 285,000

■ December 1981: 433,000

■ December 1991: 494,000

■ December 2001: 683,000

■ December 2012: 709,500

Source: 1971, 1981, 1991: print editions of Radio Amateur Callbook. 2001, 2012: www. ah0a.org. Please note: While the number of licensees has grown considerably over the years, we realize that these numbers include some who are no longer active in Amateur Radio. A recent survey of ARRL members, however, indicates that more than 80 percent of those responding are active.

|        | Licenses    | 221211    | / 0040           |
|--------|-------------|-----------|------------------|
|        | ed per year | 2010 thro | ugn 2012<br>2012 |
| Year   | 2010        | 2011      | 2012             |
| Totals | 27,528      | 23,953    | 27,082           |

|        | <i>I FCC Lice</i> r<br>led per year |        | ugh 2012 |
|--------|-------------------------------------|--------|----------|
| Year   | 2010                                | 2011   | 2012     |
| Totals | 10,726                              | 10,337 | 10,283   |

These charts illustrate new and upgraded FCC license activity over the past three years, with results through the end of 2012 showing stronger than the previous year. More than 3000 more new licenses were issued in 2012 than in 2011, while upgraded license activity remained steady in 2012.

| CALL SIGN REGION  | 2001    | 2012    |
|-------------------|---------|---------|
| 1                 | 33,500  | 35,000  |
| 2                 | 40,500  | 42,000  |
| 3                 | 35,000  | 36,500  |
| 4                 | 134,000 | 140,000 |
| 5                 | 82,500  | 86,000  |
| 6                 | 97,700  | 100,000 |
| 7                 | 90,000  | 93,500  |
| 8                 | 55,000  | 57,000  |
| 9                 | 45,500  | 47,500  |
| 0                 | 57,500  | 60,000  |
| KL7 - Alaska      | 3,300   | 3,500   |
| KP4 - Caribbean   | 4,200   | 4,000   |
| KH6 - Pacific     | 4,300   | 4,500   |
| Total US Amateurs | 683,000 | 709,500 |

This chart shows the distribution of license holders by call sign region, comparing 2001 to 2012 and shows that the number of US licensees has increased by 4 percent since 2001!

### **GUEST ARTICLE**

## W8P Spreads the Word about End Polio Now

#### By Dan Romanchik, KB6NU

On Saturday and Sunday, February 23-24, 2013, amateur radio operators gathered at WA2HOM, the amateur radio station at the Ann Arbor Hands-On Museum. We were there to operate special event station W8P to commemorate the founding of the Rotary Club on February 23, 1905 and spread the word about Rotary International's End Polio Now Campaign (<a href="https://www.endpolio.org">www.endpolio.org</a>).

The goal of the End Polio Now program is to rid the world of this terrible disease. Rotary International launched this program in 1985, and with the aid of UNICEF, the World Health Organization, and the Bill and Melinda Gates Foundation has cut the number of cases by more than 99.9%. In 1988, polio was endemic in 125 countries. In 2012, polio is endemic in only two regions. We like to say that we're "this close" to eradicating polio.

The unique part of the special operating event is that stations all over the world took part in it. Rotary is an international organization, and its amateur radio fellowship, Rotarians on Amateur Radio (ROAR), includes members all over the world. In Australia, a group operated the special event station VI4POLIO. In Europe, Pertti, past president of ROAR, operated his station, EA7GSU. Here in the States, a group that included yours truly; Jack, N8PMG; Jameson, KD8PIJ; Dinesh, AB3DC; and Mark, W8MP operated W8P.

Since the museum is only open from 1500Z - 2200Z, we were only able to operate for seven hours on Saturday. We spent all of our time on 20m phone, with our beam pointed southwest, concentrating on working mostly U.S. stations. We had originally intended to operate on 14.287 MHz, but quickly had to change frequencies, as that portion of the band was occupied by participants in the Mississippi QSO party.

We finally ended up on 14.227 MHz and made a total of 110 contacts on Saturday. This included 29 states and four DX contacts.

On Sunday, we only operated for a couple of hours and made another 27 contacts. While we made fewer contacts on Sunday, the contacts that we did make were more poignant than the ones on Saturday.

My first contact on Sunday was with a gentleman who was spending the winter in Florida, but whose hometown was Standish, Michigan. He told me that his mother had polio, and in the late 1930s and early 1940s, they would put her on a bus for Ann Arbor, where she would receive treatments. While there's no way to be sure, I think that this ham's mother was taking part in some of the research leading to the Salk vaccine in 1955. That research took place right here at the University of Michigan in Ann Arbor.

I also talked to hams that had direct experience with polio. One was a polio survivor himself. Another's wife was a polio survivor. A third was a physician who had been to Africa and had treated polio victims there.

It was a real treat to combine two activities that I enjoy so much-amateur radio and Rotary-and it felt good to know that in some small way I was furthering the work of the End Polio Now campaign. I hope that next year we will once again operate this special event and get even more Rotarians and amateur radio operators to participate.

When he's not trying to save the world, Dan, KB6NU enjoys working CW on the HF bands. For more information about his operating activities and his "No-Nonsense" series of amateur radio license study guides, go to KB6NU.Com or e-mail cwgeek@kb6nu.com.

### FEATURE ARTICLE

### VLA to the LWA Revisited

By Kent Gardner WA7AHY

Some time back (2008), my wife Lauralee and I made one of our yearly trips to Albuquerque, New Mexico to visit our son and his family.

Being a member of the Society of Amateur Radio Astronomers (SARA), I was well aware of the Very Large Array (VLA) of radio telescopes located West of Socorro, New Mexico. Socorro is 60 miles south of Albuquerque and the telescopes are located about that same distance west. The VLA is officially named the Karl G. Jansky Very Large Array in honor of the founder of radio astronomy. We took a walking tour of the VLA and had lunch. It was so cool.

Many of you who saw Jodie Foster in the movie Contact will remember that the VLA was prominently featured.

This year (2013), SARA held their Western Conference in Socorro. Once again, Lauralee and I made the fun trip to Albuquerque so she could visit the grandkids õ õ and I could visit the VLA, this time with an in-depth tour of one of the dishes and a great tour of the nearby Long Wavelength Array (LWA). To me, it was one of the trips of a life-time. We were treated the first day to excellent presentations on radio astronomy. The second day was the visit to the VLA site.



A medium shot shows the magnitude of the project.

Each of the twenty-seven antennas weighs 230 tons and each dish is 25 meters in diameter. They are all transportable on railroad tracks. All the dishes can all be synchronized to work together as one large antenna.

As impressive as the VLA was however, I immediately took a liking to the new LWA radio telescope. The LWA antennas occupy a piece of ground to the South of the VLA. See the dishes in the background below.



Picture used by permission of the LWA Project Office at the University of New Mexico.

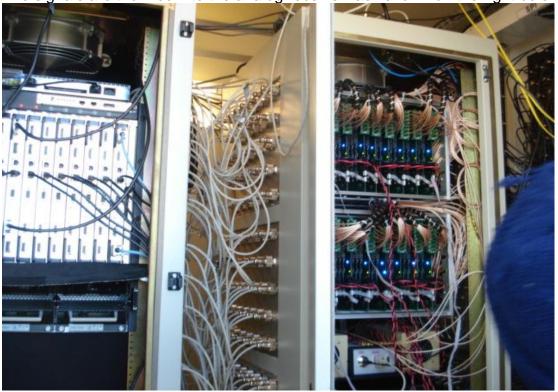
The picture above shows graduate students building a field full of these dipole antennas. There are 514 complete dipoles on 257 stands within a fenced boundary just over 100 yards on a side. They are similar to inverted vee antennas that we use in ham radio. The dipoles are fed with coaxial cables in underground conduits. The ground box below shows how many coaxial cables there are.



All these cables enter a radio frequency (RF) tight shipping container/trailer box through these feed-through panels.



The signals are then fed into the analog receiver rack shown on the right below.



From the receiver rack, the analog signals are transmitted, differentially, into the digital processor rack shown on the left. Here is where some in-trailer computers do some rudimentary processing. The data is then piped over fiber to the VLA complex and is processed by a computer cluster. The University of New Mexico also does some processing in Albuquerque.

Here is where it gets even more interesting. The signals are digitized and either recorded individually or combined into beams. Four of these independently-steerable beams are available, each with two sets of 16 MHz bandwidths that can be independently tuned to any frequency in the 5 to 88 MHz range.

The coaxial feed cables coming from the dipoles are cut to exact-engineered lengths. The phasing of each of these can be computer calculated and manipulated to form these beams.

Our tour guide was Joe Craig. He is the project engineer shown in the photograph of the outside input coaxial patch panel. He has been with the LWA since its inception. It was very cold and windy that day, but the trip and tour was entirely worth it to have been there in person to experience this kind of amazing science and engineering.

More information on the Long Wavelength Array is online at: <a href="http://lwa.unm.edu">http://lwa.unm.edu</a>.

To view a brief video explaining beaming forming of signals arriving from space click the following linko <a href="http://OgdenArc.org/downloads/lwa.mpg">http://OgdenArc.org/downloads/lwa.mpg</a> (25 Mb)

TNX

Kent, WA7AHY

### **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: -146.90 (pl 123.0)

Check OARC web site for details <a href="https://www.ogdenarc.org">www.ogdenarc.org</a>

- 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 05 June 2013

• 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: New for 2013

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

Contact: VE Liaison:

Rick Morrison W7RIK morrisonri@msn.com

(801-791-9364)

Jason Miles KE7IET

(IT)

Mary Hazard W7UE

w7ue@arrl.net (801-430-0306)

(advisor)

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

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

You do not need to join the club to participate with us.

# Club Call Sign

Listen to the club repeaters for this very familiar CW ID. You do know Morse Code don't you?

#### W7SU

ARRL Field Day is held on the last full weekend of June every year.

Location may vary each year so watch this notice for details as time draws near. See you there.

| OARC REPEATERS |           |       |                |
|----------------|-----------|-------|----------------|
|                |           |       |                |
| FREQ           | CLUB      | TONE  | LOCATION       |
|                |           |       |                |
| 146.820-       | OARC      | 123.0 | Mt Ogden       |
| 448.600-       | OARC      | 123.0 | Mt Ogden       |
|                |           |       |                |
| 146.900-       | OARC      | 123.0 | Little Mtn     |
|                | "Talk-in" |       | (w/auto patch) |
| 448.575-       | OARC      | 100.0 | Little Mtn     |
|                |           |       | (w/auto patch) |

| FREQ   | OTHER AREA REPEATERS |        |       |               |
|--|----------------------|--------|-------|---------------|
| 146.620-         UARC         none         Farnsworth Pk           147.120+         UARC         100.0         Farnsworth Pk           449.100-         UARC         146.2         Farnsworth Pk           449.500-         UARC         100.0         Farnsworth Pk           ATV         UARC         Ch-58         Farnsworth Pk           147.040+         DCARC         123.0         Antelope Isl           447.200-         DCARC         127.3         Antelope Isl           449.925-         DCARC         120.0         No Salt Lake           145.290-         GSARC         123.0         Brigham City           145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           146.640-         BARC         103.5         Mt Logan           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt <tr< th=""><th></th><th>1</th><th>1</th><th></th></tr<>                              |                      | 1      | 1     |               |
| 147.120+         UARC         100.0         Farnsworth Pk           449.100-         UARC         146.2         Farnsworth Pk           449.500-         UARC         100.0         Farnsworth Pk           ATV         UARC         Ch-58         Farnsworth Pk           147.040+         DCARC         123.0         Antelope Isl           447.200-         DCARC         127.3         Antelope Isl           449.925-         DCARC         100.0         No Salt Lake           145.290-         GSARC         123.0         Brigham City           145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           146.640-         BARC         123.0         Brigham City           146.640-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt <tr< th=""><th>FREQ</th><th>CLUB</th><th>TONE</th><th>LOCATION</th></tr<>            | FREQ                 | CLUB   | TONE  | LOCATION      |
| 147.120+         UARC         100.0         Farnsworth Pk           449.100-         UARC         146.2         Farnsworth Pk           449.500-         UARC         100.0         Farnsworth Pk           ATV         UARC         Ch-58         Farnsworth Pk           147.040+         DCARC         123.0         Antelope Isl           447.200-         DCARC         127.3         Antelope Isl           449.925-         DCARC         100.0         No Salt Lake           145.290-         GSARC         123.0         Brigham City           145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           146.640-         BARC         103.5         Mt Logan           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Clearfield City  |                      |        |       |               |
| 449.100-         UARC         146.2         Farnsworth Pk           449.500-         UARC         100.0         Farnsworth Pk           ATV         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           146.640-         BARC         123.0         Brigham City           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City </td <td>146.620-</td> <td>UARC</td> <td>none</td> <td>Farnsworth Pk</td> | 146.620-             | UARC   | none  | Farnsworth Pk |
| 449.500-         UARC         100.0         Farnsworth Pk           ATV         UARC         Ch-58         Farnsworth Pk           147.040+         DCARC         123.0         Antelope Isl           447.200-         DCARC         127.3         Antelope Isl           449.925-         DCARC         100.0         No Salt Lake           145.290-         GSARC         123.0         Brigham City           145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           146.640-         BARC         123.0         Brigham City           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City <td>147.120+</td> <td></td> <td>100.0</td> <td>Farnsworth Pk</td>           | 147.120+             |        | 100.0 | Farnsworth Pk |
| ATV         UARC         Ch-58         Farnsworth Pk           147.040+         DCARC         123.0         Antelope Isl           447.200-         DCARC         127.3         Antelope Isl           449.925-         DCARC         100.0         No Salt Lake           145.290-         GSARC         123.0         Brigham City           145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           146.640-         BARC         123.0         Brigham City           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak     <   |                      | 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-         GSARC         123.0         Brigham City           145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           146.640-         BARC         123.0         Brigham City           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           1449.775-         N7TOP         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   | 449.500-             | UARC   | 100.0 |               |
| 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           146.640-         BARC         123.0         Brigham City           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.490-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Nelson Peak   | ATV                  | UARC   | Ch-58 | Farnsworth Pk |
| 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           146.640-         BARC         123.0         Brigham City           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           145.490-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Nelson Peak   |                      |        |       |               |
| 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           148.300-         GSARC         123.0         Brigham City           146.640-         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           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Nelson Peak   |                      |        | 123.0 |               |
| 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         103.0         Brigham City           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           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Nelson Peak  |                      |        |       |               |
| 145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           448.300-         GSARC         123.0         Brigham City           146.640-         BARC         103.0         Brigham City           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           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  | 449.925-             | DCARC  | 100.0 | No Salt Lake  |
| 145.430-         GSARC         123.0         Brigham City           147.220+         GSARC         123.0         Brigham City           448.300-         GSARC         123.0         Brigham City           146.640-         BARC         103.0         Brigham City           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           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 147,220+         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           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 448.300-         GSARC         123.0         Brigham City           146.640-         BARC         none         Logan           147.260+         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         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      | GSARC  |       |               |
| 146.640-         BARC         none         Logan           146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Promontory Pt           449.625-         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   |                      |        |       |               |
| 146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Promontory Pt           449.625-         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  | 448.300-             | GSARC  | 123.0 | Brigham City  |
| 146.720-         BARC         103.5         Mt Logan           147.260+         BARC         103.5         Promontory Pt           449.625-         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 147.260+         BARC         103.5         Promontory Pt           449.625-         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   |                      |        |       |               |
| 449.625-         BARC         103.5         Mt Logan           145.250-         WSU         123.0         * coming soon           449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   |                      |        |       |               |
| 145.250-         WSU         123.0         * coming soon           449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   | 449.625-             | BARC   | 103.5 | Mt Logan      |
| 449.250-         WSU         123.0         * coming soon           145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   |                      |        |       |               |
| 145.490-         K7HEN         123.0         Promontory Pt           146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   | 449.250-             | WSU    | 123.0 | * coming soon |
| 146.920-         N7TOP         123.0         Promontory Pt           449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak   |                      |        |       |               |
| 449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  | 145.490-             | K7HEN  | 123.0 | Promontory Pt |
| 449.775-         N7TOP         123.0         Promontory Pt           448.825-         IRLP/Echo         123.0         Clearfield City           449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 448.825- IRLP/Echo 123.0 Clearfield City 449.950- IRLP 123.0 Clearfield City 449.425- IRLP 100.0 Nelson Peak   |                      |        |       |               |
| 449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  | 449.775-             | N7TOP  | 123.0 | Promontory Pt |
| 449.950-         IRLP         123.0         Clearfield City           449.425-         IRLP         100.0         Nelson Peak  |                      |        |       |               |
| 449.425- IRLP 100.0 Nelson Peak  |                      |        |       |               |
|  |                      |        |       |               |
| 147.360+ Summit 100.0 Lewis Peak   | 449.425-             | IRLP   | 100.0 | Nelson Peak   |
| 147.360+ Summit 100.0 Lewis Peak   |                      |        |       |               |
| 1 1  | 147.360+             | Summit | 100.0 | Lewis Peak    |
| County   |                      | County |       |               |

| AREA CLUB MEETINGS & WEB SITES |                |                                   |   |
|--------------------------------|----------------|-----------------------------------|---|
| CLUB                           | WEB SITE       | DATE/TIME                         | LOCATION                                |
| OgdenARC                       | ogdenarc.org   | 3 <sup>rd</sup> Saturday 09:00 am | Check OARC web site                     |
| WC ARES                        | ogdenarc.org/  | 2 <sup>nd</sup> Thursday 06:30 pm | Weber Co. Library                       |
|                                | join.html#ares |                                   | Ogden Utah                              |
| WC Sheriff                     |                | 1 <sup>st</sup> Saturday 10:00 am | Weber Co. Sheriff Complex               |
| Comm-O                         |                |                                   | West 12 <sup>th</sup> Street Ogden Utah |
| Barc                           | barconline.org | 2 <sup>nd</sup> Saturday 10:00 am | Cache Co. Sheriffs Complex              |
|                                |                |                                   | 200 North 1400 West Logan Ut            |
| CSERG                          | dcarc.net      | Last Wednesday 8:30pm             | Clearfield City Hall                    |
|                                | /ares.htm/     |                                   | Clearfield Utah                         |
| DCarc                          | dcarc.net      | 2 <sup>nd</sup> Saturday 10:00 am | Davis Co. Sheriff Complex               |
|                                |                |                                   | Farmington Utah                         |
| NU Ares                        | home.comcast.  | 3 <sup>rd</sup> Wednesday 7:00 pm | Cache Co. Sheriff Office                |
|                                | net/~noutares/ |                                   | Logan Utah                              |
| Uarc                           | xmission.com   | 1 <sup>st</sup> Thursday 7:30 pm  | UofU EMC Bldg Room 101                  |
|                                | /~uarc/        |                                   | Salt Lake City Utah                     |
| <b>G</b> Sarc                  | Ubetarc.org    | Check Website                     | Check Website                           |
| Utah DX                        | udxa.org       | 3 <sup>rd</sup> Wednesday         | check web page for details              |
| Association                    |                | check web page for details        | Salt Lake City area                     |
| UvhfS                          | ussc.com       | Each Tuesday 8:00 pm              | Weekly 2 meter net                      |
|                                | /~uvhfs/       | (refer to web site)               | (no eye ball meetings)                  |
| WDArc                          | westdesertarc. | 1 <sup>st</sup> Tuesday 7:00 pm   | Tooele County Courthouse                |
|                                | org/           |                                   | Tooele Utah                             |
| WsuArc                         | arcweber.edu   | 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        | <b>Utah Beehive net HF</b> | 7.272 Mhz HF LSB                            |  |
| Daily @ 07:30 PM mt        | Utah Code net HF           | 3.570 Mhz HF CW                             |  |
| Daily @ 02:00 UTC          | Utah Farm net HF           | 3.937 Mhz HF LSB                            |  |
|                            |                            |   |  |
| Sunday @ 8:45 AM           | Ogden Old Timers HF net    | 7.193 Mhz HF LSB                            |  |
| 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              | 147.060 = 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 2-meter USB                     |  |
|                            |                            |   |  |
| Tuesday @ 8:00 PM          | Weber ARES                 | 448.600 - 123.0                             |  |
| 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 HF USB                           |  |
| Wednesday @ 9:00 PM        | 6-meter SSB net            | 50.125 Mhz 6-meter USB                      |  |
|                            |                            |   |  |
| Thursday @ 6:30 PM         | Davis Co Elmers Net        | 147.040 + 123.0 New Hams                    |  |
| 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            |  |
|                            | D 4 1000                   | 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                             |  |
| G + 1                      | DACEGGA A WE               | 2.020.141 HELGD                             |  |
| Saturday @ 8:00AM mst      | RACES State HF             | 3.920 Mhz HF LSB                            |  |
| Catanalana (h. 11.00 A.M.) | OCWA4 HE                   | 3 <sup>rd</sup> Saturday – odd months only  |  |
| Saturday @ 11:00AM mst     | QCWA net HF                | 7.272 Mhz HF LSB                            |  |

OARC OFFICERS

President: Larry Griffin AD7GL

Vice Pres: Gil Leonard NG7IL

Secretary: Gary Hudman WB7FMS

Treasurer: John Shupe K7DJO

Program Director: Rich Kennedy KF7VAQ

Activity Director: Dave Woodcock WY7P

"WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

OTHER CLUB APPOINTMENTS

Webmaster: Val Campbell K7HCP

Historian/Librarian: Kent Gardner WA7AHY

Advisor: Kim Owen KO7U

Advisor: Kent Gardner WA7AHY

Advisor: Stan Sjol WOKP

Photographer: John Shupe K7DJO

QSL Manager: John Shupe K7DJO

Equipment Manager: Val Campbell K7HCP

Repeater Engineer: Mike Fullmer KZ70

VE Liaison: Richard Morrison W7RIK

Jason Miles KE7IET (IT)
Mary Hazard W7UE (advisor)

Club Call Sign Trustee: Larry Griffin AD7GL

# 73 es cul de W7SU

www.OgdenArc.org