



WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

NOVEMBER 2016

Next Club Meeting/Activity

November Meeting—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

PREVIOUS CLUB MEETING/ACTIVITY

October Meeting

Riverdale Fire Station

3rd Saturday 15 October 2016

Ham Logging Software

by Mike Neal K7MLN

NEXT CLUB MEETING/ACTIVITY

November Meeting

Riverdale Fire Station

3rd Saturday 19 November 2016

Antenna Kit Building

by Mike Neal K7MLN

PREVIOUS MEETINGS PICS

Photos by ... Ceva Cottrell KE7IEV







From the Shack of KE7IET



Jason Miles KE7IET

As the time of snow and slippery roofs approaches, I hope you have your antenna maintenance done. On the other hand, I've heard that antennas put up in bad weather work better. I think I still need to see if my dipole is snagged on a shingle.

Thank you to Mike Neal for presenting on the DXLab Suite. It is software with which I was previously unfamiliar, and I'm glad I was there. My shack computer has Xubuntu Linux installed, so I probably won't be using DXLab soon. However, it is good to know the options.

In our coming meeting, we'll be building tape measure yagi antennas. I know our next hidden transmitter hunt won't come until next July, but these antennas are meant for that activity. If you're interested in building one, please let me know via email at jmiles2@gmail.com. You can also check into the Ham and Eggs net on Tuesday nights at 7 p.m. on the 448.600 MHz repeater. If you already have a tape measure yagi, you are still welcome to come. We'll need all the help we can get.

Last month, I mentioned creating the audio interface for my Kenwood TS-450S rig. I already have the Kenwood-manufactured IF-232C box, which provides both CAT and PTT control from my computer. I also already have a Rigblaster M8, which could handle the audio interface through the rig's microphone and speaker jacks. However, my goal was to run the audio through the ACC2 jack on the back of the rig. I wanted to leave the rig's microphone and speaker jacks free for other uses.

Continued ...

Fortunately, I found some plans for the audio interface. For those few of you with a Kenwood radio that has a 13-pin ACC2 jack, you can use the “ISO-KIT-KW13PD” plan at <http://www.qsl.net/ta7i/kenwood.htm>. Since I already have PTT control through the IF-232C box, I didn't bother with the serial port and optocoupler. The rest of the circuit is what I needed, although I have to admit I don't understand it all. From what I understand, the transformers provide ground isolation between the computer and rig. I think the resistor and potentiometer attenuate the audio coming from the computer. (Please correct me if I'm wrong.)

I'm not going to go through every detail of my build, but here are some highlights:

I used a 1-gang metal electrical box from one of the local home improvement stores as the enclosure. It came with a cover, which was nice. The only downside was the thickness of the box's walls. It made mounting the 3.5mm jacks a little more difficult.

I used a shielded CAT-5 cable between my enclosure and the 13-pin rig connector. It gave me 8 conductors (of which I only needed 4) and a foil shield.

The plans call for 3.5mm stereo connectors at the computer side. Since shielded stereo cables are readily available, I just wired two 3.5mm stereo jacks into my enclosure.

To mount my circuit board to the enclosure, I drilled a couple of holes in the bottom of the enclosure. I mounted the board using machine screws. The bottom of the enclosure is uneven, so I needed some space between the board and the bottom of the enclosure. I used sections of a ballpoint pen barrel as spacers.

Here are some highlights of my testing:

The receive side was easy. With the rig connected to an antenna, I tuned to 14.070 MHz upper sideband and set Fldigi to PSK31. After a lucky guess about which sound device to use, I saw signals in Fldigi.

The transmit side was a bit more challenging. I have two PCIe sound cards installed in my shack computer. One was meant for Fldigi, and the other was meant for everything else. Unfortunately, I couldn't figure out which sound device in Fldigi corresponded to my Fldigi sound card. I finally gave up and used one of my cheap Chinese USB sound card dongles. It worked for transmit, but it seems to have a lot of noise on receive.

Continued ...

I connected my TS-450S to a dummy load, tuned to the rig to 28.120 MHz, and turned the rig's power down to its minimum. I tuned a second receiver in the room to the same frequency. I put a second computer's microphone near the second receiver's speaker. I transmitted PSK31 and CW from my shack computer, through the TS-450S, and into the dummy load. Despite the dummy load and low power, the second receiver picked up the signal just fine. The second computer (also running Fldigi) decoded the audio coming from the second receiver. The CW came through well, but I had to adjust the 10k potentiometer to get the PSK31 signals to decode properly.

I still need to figure out how best to adjust the potentiometer, and I still need to try working into a real antenna. However, it appears that my interface box is working.

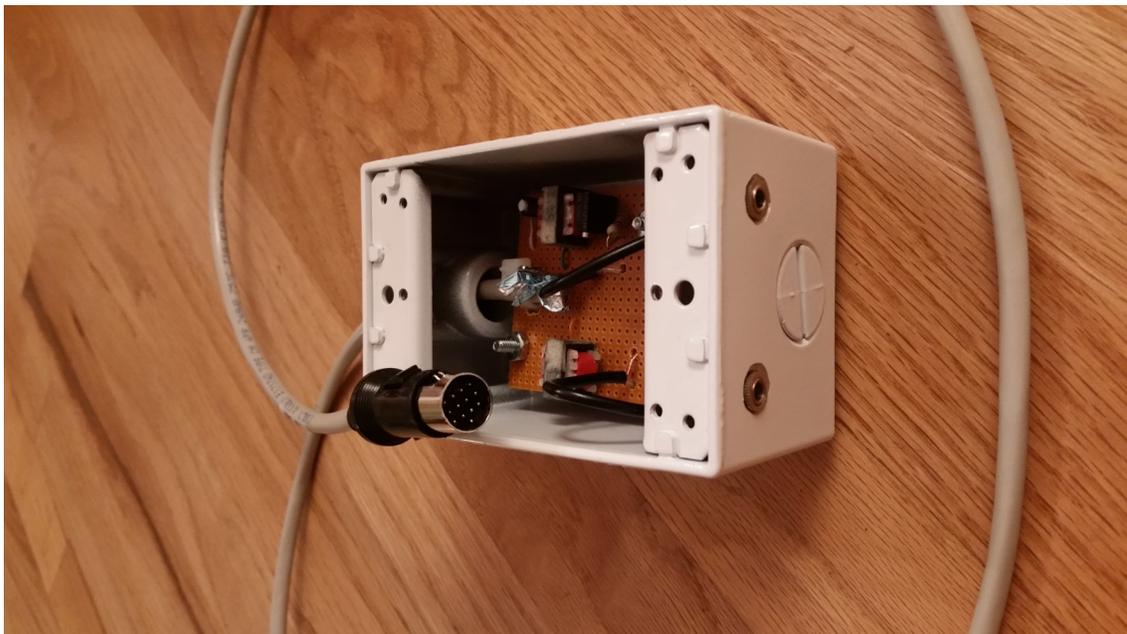
My success of the month:

Through some miracle, I soldered four wires to the Kenwood 13-pin connector. Those 13 pins are packed pretty closely. It's delicate work, and I ruined the first connector. Maybe there was divine help with the second connector. (I remembered some advice I heard a while ago. I only needed one connector, but I purchased three just in case.)

My failure of the month:

I really don't like lead (aka Pb). Some people can solder without a second thought about lead contamination. Maybe it's the fact that I have small children who might be affected by lead, but I have a hard time with the thought of contamination.

Jason Miles KE7IET





OARC COMING EVENTS



REMINDER

Renew your OARC membership if you haven't done so already.

OARC Family Christmas Dinner
3rd Saturday 17 December 2016

Weber Co VE Test Session
1st Wednesday 01 February 2017

CLUB NEWS

NOTICE

We plan to build 2m tape-measure yage antennas during the November club meeting (11/19/2016). I'd like to get a count of how many are interested in building the antenna so we can plan materials accordingly.

We haven't discussed price yet, but we may need to charge a small amount to cover the material cost.

We'd like to construct the antennas during the meeting. To eliminate some complexity, we'll try to use a design that doesn't require soldering.

If you'd like to build an antenna, please let me know. My e-mail address is jmiles2@gmail.com.

Jason Miles KE7IET

CLUB NEWS

HAM and EGGS Net

Tuesday Evenings at 7:00 PM Mountain Time

Mt Ogden 70 cm repeater 448.600 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

NEXT

Weber Co VE Test Session

1st Wednesday 01 February 2017

HOBBY NEWS

Recent Licensing Statistics

The following report of FCC licenses issued is supplied by Maria Somma, AB1FM, ARRL VEC Manager. Somma notes that 2016 licenses issued through the third quarter are up 5% from 2015's totals and are approaching 2014's record-setting pace. If this trend continues, we should see 32,000 new Amateurs and 11,000 upgrades by the end of this year!

Here's the breakdown of exam activity through the third quarter by license level:

NEW and UPGRADED FCC LICENSES ISSUED PER YEAR BY QUARTER						
FCC License Activity	2011 3rd quarter	2012 3rd quarter	2013 3rd quarter	2014 3rd quarter	2015 3rd quarter	2016 3rd quarter
Technician	15,974	18,132	19,195	22,781	20,526	22,170
General	7,742	7,994	7,372	8,401	8,572	8,105
Extra	2,827	2,564	2,326	2,913	2,914	3,474
Total Issued	26,543	28,690	28,893	34,095	32,012	33,749

HOBBY NEWS

Education & Technology Program News

Summer 2016 Teacher Institutes Generate Excitement

ARRL offered three sessions of the introductory Teachers Institute (TI-1) this past summer in Colorado, California, and Connecticut. Thirty-five teachers from 17 states participated. This year, the TI-1 was expanded from four days of training to five in order to provide more time for discussions on classroom implementation, demonstrations of classroom activities, and absorption of the concepts covered. The session in Colorado, hosted by Douglas County STEM School and Academy, was funded by a local donor.

The class got high marks from participants. "My background is in architecture and construction, so electronics has never been a strength for me," said Lance Newman, a high school teacher from Illinois. "Although I teach some basics in communications technology and modern manufacturing processes, I have struggled to bring hands-on, practical applications to my students. TI-1 was just what I needed!" Newman said he's planning to get his Amateur Radio license and is excited about bringing ham radio into his classrooms.

Plans for summer sessions in 2017 are underway. The schedule will be announced in February 2017. Information will be posted on the ARRL website at www.arrl.org/ti.

A traditional "fox hunt" is part of the TI curriculum. (Photo by Larry Kendall, K6NDL)



You can support the Teachers Institute with a donation to the Education & Technology Program Fund. Consider funding a seat for a teacher to attend the TI! Find out more at www.arrl.org/education-and-technology-fund.

Submitted by Kent Gardner WA7AHY

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 be 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



FCC Proposes Substantial Fine for Unlicensed Amateur Operation, False Police Call

A New York City man faces a fine of \$23,000 for operating on Amateur Radio frequencies without a license and for transmitting a false officer-in-distress call on a New York City Police Department (NYPD) radio channel. The FCC issued a *Notice of Apparent Liability for Forfeiture (NAL)* on August 31 to Daniel Delise of Astoria. It details a history of complaints and alleged illegal radio operation on Delise's part that dates back to 2012.

"The Commission previously warned Mr Delise that unlicensed operation of this station was illegal and that continued operation could result in further enforcement action," the FCC said in the *NAL*. "Mr Delise's deliberate disregard of the [Communications] Act and the Commission's warning warrants a significant penalty." ARRL Hudson Division Director Mike Lisenco, N2YBB, credited the intervention earlier this year of New York Rep Peter King with getting the case "off the back burner and up to the front of the line." Lisenco and ARRL General Counsel Chris Imlay, W3KD, met with the Republican congressman in January to discuss on-going interference issues in the Greater New York City/Long Island area. King subsequently wrote FCC Chairman Tom Wheeler to urge "timely and visible enforcement."

Lisenco also praised the direct involvement of FCC Enforcement Bureau Region 1 Director David C. Dombrowski "and his willingness to work with us and to use information we provided as potential leads," as well as "a system of grass-roots reporting that depicted the current pattern of intentional interference with legitimate amateur communications on local repeaters," coordinated by Richie Cetron, K2KNB, an Official Observer and Assistant Hudson Division Director. Lisenco said FCC Special Counsel Laura Smith "has been a great help in keeping us informed and in the loop."

The FCC reported receiving "numerous complaints" that Delise was transmitting on different frequencies, issuing two official warnings in 2012. The Commission said complaints about Delise continued through 2013 and 2014, but, the FCC said, an investigating agent "was not able to confirm a rule violation." Still more complaints alleged that Delise was transmitting without authority on 461.225 MHz, a frequency licensed to NYC City Wide Disaster Services, the FCC recounted. In 2014, the FCC received 10 more complaints identifying Delise by name, plus another nine in 2015 and one more in 2016.

Last April, field agents monitoring in Delise's Astoria neighborhood detected a strong voice transmission on 147.96 MHz. They were able to track the signal to the building where Delise resided, and, ultimately, went to his apartment and confronted him.

The FCC said Delise admitted making the transmissions on 147.96 MHz and acknowledged that he did not have an Amateur Radio license. As a result, the FCC's New York Field office issued a [*Notice of Unlicensed Operation*](#).

A couple of weeks later, the NYPD informed an FCC field agent that it had taken Delise into custody for "sending out false radio transmissions" over the NYPD radio system and for possessing radios capable of operating on NYPD frequencies, in violation of state law. According to the NYPD, a call had gone out reporting an officer in need, and the responding officer spotted Delise speaking into a radio. The police report said Delise admitted to making the transmission and that he told officers that he had more radios and would continue to transmit on police frequencies. Obtaining a warrant, the NYPD confiscated all radio transmitting equipment from Delise's apartment, including 14 radios capable of operating on NYPD frequencies.

The FCC concluded that Delise apparently transmitted without a license on Amateur Radio frequencies, even after being warned not to do so, and that he apparently transmitted false or fraudulent distress signals on NYPD frequencies. Both violations were "willful," the FCC said.

Delise could have faced a penalty of more than \$140,000, under the provisions of the Communications Act. The *NAL* gave Delise 30 days to pay the fine or to file a written statement seeking a reduction or cancellation of the proposed forfeiture. The FCC fine may not be at the top of Delise's list of worries, however. According to Lisenco, Delise now is serving prison time resulting from the false police call and his guilty pleas to other charges.



Current Rules Holding Hams Back from Adopting State-of-the-Art Technology, ARRL Says

In [comments](#) filed on October 12 with the FCC, ARRL reiterated its case that the FCC should impose a 2.8 kHz limit on symbol rate for digital modes, arguing that its approach is both balanced and necessary. ARRL had asked the FCC to change the Part 97 rules to delete the symbol rate limits in Section 97.307(f) and replace them with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz. In a July *Notice of Proposed Rule Making* ([NPRM](#)) in WT Docket 16-239, the FCC proposed to eliminate the current baud rate limitations for data emissions, consistent with ARRL's *Petition*, but it declined to propose a *bandwidth* limitation for data emissions in the MF and HF bands to replace the baud rate limitations.

ARRL told the FCC in its comments that the current HF symbol rate "speed limit" reflects 1980s technology and has no place in an experimental radio service in which modern protocols could be efficiently deployed in crowded RTTY/data subbands.

"The symbol rate limit was created in order to maximize the efficient use and reuse of that crowded, shared spectrum, but the assumptions made at the time are no longer valid," ARRL said, "and the rules now prohibit radio amateurs from utilizing state-of-the-art technology, thus precluding or substantially inhibiting any meaningful contribution to the advancement of the radio art in this area." ARRL said earlier assumptions are no longer valid mainly because there is no correlation between the data rate and the occupied bandwidth in the rules now.

The League said present rules in the HF data subbands promote inefficiency, allowing data transmissions of unlimited bandwidth as long as the symbol rate is sufficiently low, and it stressed that there must be *some* limit on occupied bandwidth for HF data emissions.

"Eliminating the symbol rate limitations for data emissions *and substituting a maximum authorized bandwidth* would permit the utilization of all HF data transmission protocols presently legal in the Amateur Radio Service, as well as state-of-the-art protocols that fall within the authorized bandwidth," the League said. The deadline to file reply comments in the proceeding -- i.e. comments on comments already filed -- is November 10.

GUEST ARTICLE

By Dan, KB6NU

Celebrating your club's Elmers might encourage others

Sam, W5KF, recently sent me a link to the Elmers' page on the Norman, OK South Canadian Amateur Radio Society (SCARS) website. Not only is it a listing of the club members who have stepped forward to Elmer new members, but also provides ways to honor current and past Elmers. This is from the SCARS newsletter:

"Elmer List on the W5NOR.org website

"This week we talk about a brand new feature on the W5NOR web site. In the amateur radio community, an experienced amateur radio operator who mentors a new or prospective ham is commonly called an "Elmer". In our hobby, that seems to be a great way for knowledge to be transferred.

"Yes, we all have taken an FCC test to receive our license, however that's only the starting point. Remember that person that helped you set up your first radio, or gave you the courage to press the PTT button, or answered endless questions about a radio, or an antenna? That's the kind of thing we're talking about.

"Thanks to a great suggestion from Gary Skaggs WB5ULK [not sure it was my idea. - Editor], we've created the SCARS Elmer Page, located at <http://w5nor.org/elmers>, for us to celebrate Elmers; past, present, and future. We provide a place for Elmers to list their specialty, and contact information, which allows new hams to find someone they can ask questions of.

"Since this is a new section of the web site, this list is rather short. If you're willing to help others on a given topic, send a message to n5hzz@arrl.net and you will be added to the list. Right now we need lots of different categories, like antennas, radio setup, HT programming, contesting, satellite operation, high power operation, test gear, building your own gear, repairing radios, APRS, D-Star, DMR, CW, logging, etc. oh well, you get the idea.

"You don't need a PhD to be listed here. You just need a willingness to help others in a given area. It's OK to be a new ham, and be listed here. You may have just struggled through your first space contact, but you'll have infinitely more knowledge than the person who's been a ham for 40 years, and has never tried that portion of the hobby.

continued

"Also, there is a link to the "ARRL Elmer Award" page of the American Radio Relay League's web site. Here, you can enter your favorite Elmer's name and callsign. The ARRL will print a nice certificate, and mail it to the address you enter. Yes, for FREE! This certificate can either be mailed to your favorite Elmer, or you can mail it to yourself so you can present it to them personally. Feel free to order an Elmer certificate, and present it to your Elmer at an upcoming SCARS meeting. Talk with one of the officers before the meeting to get your place on the agenda. What a great way to recognize these people for their extra efforts.

"Finally, we've got a place to list YOUR favorite Elmer in our SCARS Elmer Hall-of-Fame. This is the place to memorialize your Elmer, whether they are SCARS members, Silent Keys, or not. I've already listed a few Elmers on the list from my own travels through the hobby. We'd love to list the people that help us all succeed.

"So, please help make this page useful, visit the SCARS Elmer page at: <http://w5nor.org/elmers> and be listed as an Elmer, and list your favorite Elmers."

I think this is a wonderful idea, and I hope that you will consider doing something similar in your club. A little recognition could go a long way, and we need all the Elmers we can muster. And, if you're already doing this, please send me a link. I'll add that link to my website, KB6NU.Com.

=====

When he's not Elmering new hams, you'll find Dan building kits and working CW on the HF bands. He is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com. You can contact him by e-mailing cwgeek@kb6nu.com.



Club Swapmeet



“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**.

FEATURED ITEMS

SWAP ITEM # 171

**ITEM: 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

NOTICE

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

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



Club Swapmeet



“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**.

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 have 2000 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

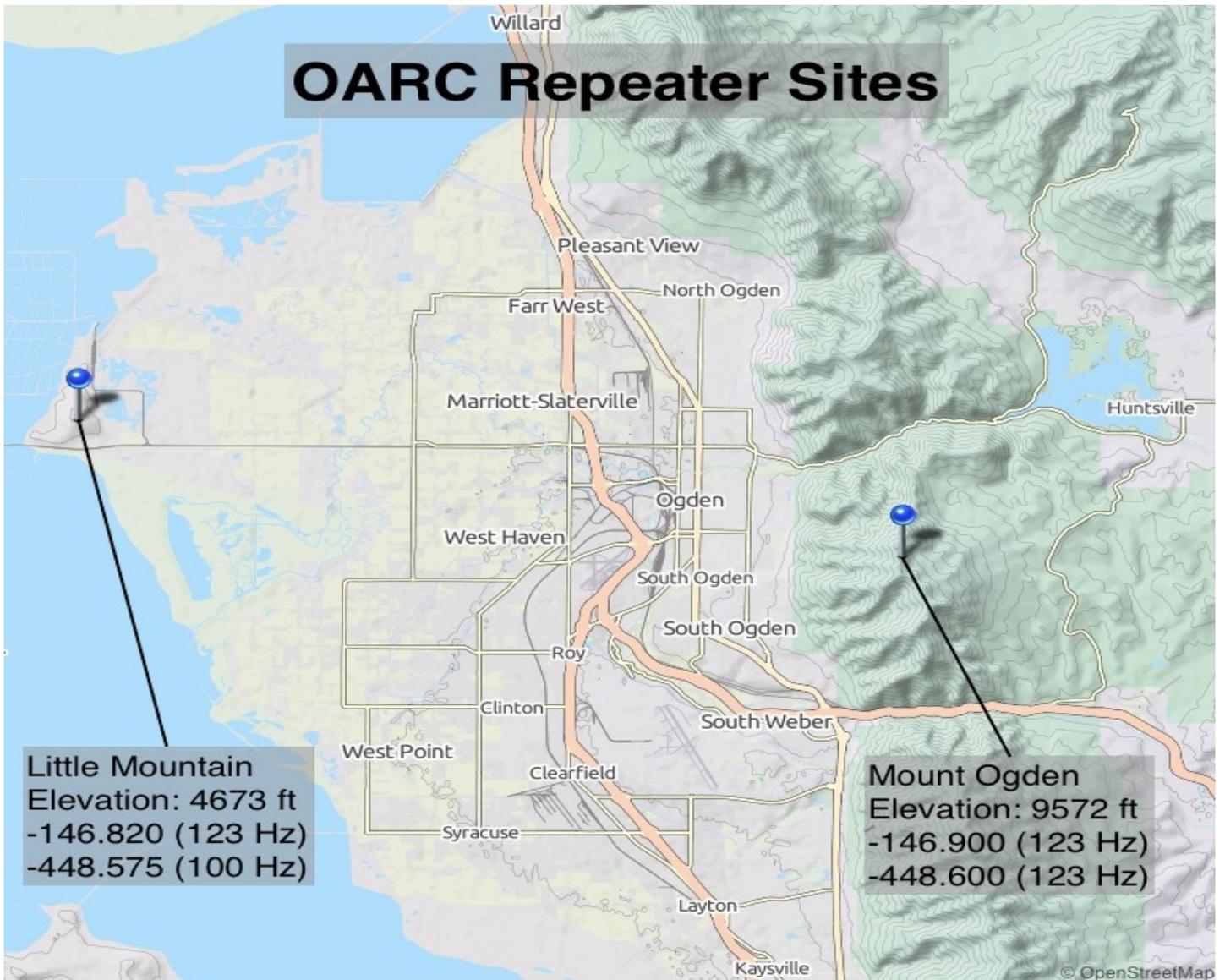
CONTACT: Mel Parkes, NM7P at 801-673-6116 or John Lloyd, K7JL at 801-943-8830 - Payment via PayPal at <http://www.utahvhfs.org/>

NOTICE

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

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

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.

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:

3rd Saturday of each Month

The Ogden Amateur Radio Club meetings are usually held on the **3rd 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

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 12th Street Ogden Utah**

Contact: VE Liaison:

Rick Morrison W7RIK (Liaison)

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

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.

OARC REPEATERS			
(*) 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)

OTHER AREA REPEATERS			
FREQ	CLUB	TONE	LOCATION
146.620-	UARC	none	Farnsworth Pk
147.120+	UARC	100.0	Farnsworth Pk
449.100-	UARC	146.2	Farnsworth Pk
449.500-	UARC	100.0	Farnsworth Pk
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	ogdenarc.org	3 rd Saturday 09:00 am	Check OARC web site ...
WC ARES	ogdenarc.org/ join.html#ares	2 nd Thursday 06:30 pm	Weber Co. Library Ogden Utah
WC Sheriff Comm-O		1 st Saturday 10:00 am	Weber Co. Sheriff Complex West 12 th Street Ogden Utah
Barc	barconline.org	2 nd Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSERG	dcarc.net /ares.htm/	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	dcarc.net	2 nd Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	home.comcast.net/ ~noutares/	3 rd Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	xmission.com /~uarc/	1 st Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
GSarc	Ubetarc.org	Check Website	Check Website
Utah DX Association	udxa.org	3 rd Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	ussc.com /~uvhfs/	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	westdesertarc.org/	1 st Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	https://groups.google.com/forum/#! forum/wsuarc	3 rd 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 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	147.100 +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 2-meter USB
Tuesday @ 7:00 PM	OARC—Ham & Eggs Net	448.600 -123.0
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 3 rd 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 HF LSB 3 rd Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

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

73 es cul de W7SU

www.OgdenArc.org