



WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

JULY 2018

Next Club Meeting/Activity

"T"-Hunt + Breakfast in the Park



Jason Miles KE7IET
President



Mike Taylor KE7NQH
Vice President



Ceva Cottrell W7CVA
Secretary



Jerry Cottrell KG7IGW
Treasurer



Gil Leonard NG7IL
Program Director



Dave Mamanakis KD7GR
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

PREVIOUS CLUB MEETING/ACTIVITY

June Meeting/Activity

ARRL Field Day

Marriott Park

Sat 23 June—Sun 24 June

12:00 PM Sat—12:00 PM Sun

NEXT CLUB MEETING/ACTIVITY

July Event/Activity

- **OARC "T"-Hunt + Breakfast in the Park**
- **3rd Saturday 21 July 2018**
- **Start from your home at 8:00 AM**
- **Find the hidden Transmitter then eat Breakfast in the Park**
- **Listen on 145.41 MHz simplex**

PREVIOUS MEETINGS PICS

Club Photographer ... Rick Hansen N7EGA



[More \(lots more\) Field Day Photos!](#)







From the Shack of KE7IET



Jason Miles KE7IET

Many thanks for the support of this year's Field Day. I was pleased with the participation we had both days. I think we are fortunate to have a club where the score isn't the only priority. It seemed like all who came felt welcomed and were able to work the radio if they wanted. We didn't have a Get-on-the-Air (GOTA) station, but we treated both of our normal stations as if they were that. Getting people on the air was the priority.

A few of the kids from the Marriott Park neighborhood stopped by to see what was going on. We tried to get them on the air on at least a couple of occasions. The challenge with them seemed to be coaxing them to say a string of words (our phonetic call sign) that probably sounded strange and random to them. The important thing was that they were able to see and experience the radio. We had, after all, invaded their park.

We had a challenge as the wind picked up in the evening. The bailing twine we used to tie the loop antenna into the trees didn't stand up to abrasion on the trees. The constant movement wore right through it. We had to raise three of the corners again after they fell. The last time was in the dark. Fortunately, the wind died down after that, and the loop stayed put through the night.

I'd like to thank John Metcalf KE7VVT for bringing his satellite gear. I was able to help him attempt satellite contacts a few times Saturday and Sunday. We never completed a contact, but it was still interesting to try. If you want to try something new in ham radio, consider satellite communications. The equipment requirements are surprisingly light. John's rig was a handheld dual-band radio, a dual-band yagi antenna on a tripod, and a smartphone. Unfortunately, you need about four hands to make it all work, but you can ask a friend for help. (The person aiming the antenna doesn't need a license.)

Field Day (and the other summer activities) require a lot of work, and many people volunteer to make it possible. I hesitate to list names because I will miss someone. Preparations begin months before with park reservations for the events, and members of the club have gone the extra mile in the past few years to get the usual reservation fees waived. I'd also like to acknowledge the generosity of South Ogden City and Marriott-Slaterville City for letting us use the parks for free. On the days of the events, there is a flurry of work. Food must be purchased and prepared. Equipment must be prepared, transported, and set up, including two very large antennas for Field Day. The equipment must be kept running through the activities, and it must be taken down at the end. In the case of activities at Marriott Park, we even need to have someone stay a little while after the activity has ended to make sure the kitchen and bathrooms are secure.

I am grateful for the multitude of people who step up to make the activities and other club efforts run smoothly. If you are interesting in participating, please let us know. There are plenty of places to help:

- Setting up, taking down, or simply participating in club activities such as Golden Spike, Field Day, the fox hunt, or the Steak Fry

- Standing for election to an office on the club's board

- Teaching during our annual license class

- Becoming a VE and assisting with exam sessions

- Presenting at a club meeting

If you are interesting in standing for election for a board position, please let a member of the board know. You can nominate yourself or someone else. Elections will be held during the Steak Fry in August.

Again, thank you to all those who make the club possible.

73 de KE7IET



OARC COMING EVENTS



“T”-Hunt

3rd Saturday 21 July 2018
Starts @ 8:00 AM

Steak Fry

**Membership Renewals
Elections/Auction**

3rd Saturday 18 August 2018
5:00 PM
Marriott Park

Joint Swap Meet

3rd Saturday 15 September 2018

Next VE Test Session

1st Wednesday 03 Oct 2018 @ 6:00 PM

CLUB NEWS

HAM and EGGS Net

Tuesday Evenings at 7:00 PM Mountain Time

Mt Ogden 70 cm repeater 448.600 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: Larry Griffin AD7GL, ad7gl@arrl.net

CLUB NEWS



United States Department of the Interior

NATIONAL PARK SERVICE
Golden Spike National Historic Site
P.O. Box 897
Brigham City, Utah 84302



05102018-02

May 17, 2018

Ogden Amateur Radio Club
P.O. Box 3353
Ogden, UT 84409

Dear Participants:

On behalf of Golden Spike National Historic Site and the Golden Spike Association, thank you for your support of our recent May 10th Celebration.

Nearly 1800 visitors attended the event this year. The May 10th event is one of the biggest and most important days of the visitor season. This year was exceptional in that it was also co-branded as the kick-off to the 2019 Sesquicentennial of the Transcontinental Railroad's completion.

Please extend our appreciation to all those who participated and for making the event a fun, educational and enjoyable experience for our visitors.

Gratefully,
For and on behalf of Golden Spike National Historic Site

Justin Glasgow
GOSP/jkg

CLUB NEWS

OARC sent the follow letter to the National Park Service Superintendent regarding our past participation in the annual Golden Spike event each year and our desire to be included in the planning for the next years 150th celebration on 10 May 2019.

12 June 2018

Superintendent Leslie.Crossland@nps.gov 405 471-2209 x423

Dear Sir:

This letter is one of introduction and relates to the 150th Driving of the Last Spike Commemoration at the Golden Spike National Historical Site coming up in 2019. Justin Glasgow, Chief of Interpretation at the site suggested that we contact you to make sure that we are included in your planning.

Our Ogden (Utah) Amateur Radio Club (OARC) has been supporting the Driving of the Last Spike Commemoration for about 10 years now and in previous years also.

We as Amateur radio operators, set up our radio gear and antennas for the Golden Spike festivities under a Special Event Radio Call sign to encourage other ham operators all over the country to call us.

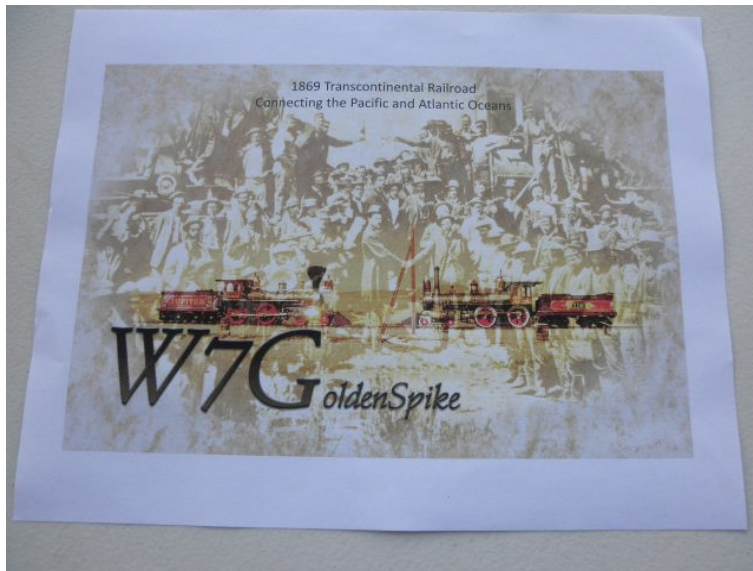


Our antenna is erected approximately 125 feet East of where we have our radio gear under the main building patio. The antenna consists of an inverted V wire dipole, center supported, by a fiberglass pole about 30 feet in height. We have intentionally kept the antenna away from crowds.



Radio operators from all over the country can call us. We write down their information in our logbook. Upon receiving a complete reception report they can request a special QSL card. The log is below followed by the "QSL" card that we send those who request one.

DATE	TIME	UTC	FREQ.	MODE	PWR.	STATION WORKED	LOCATION (QTH)	SIGNAL REPORT SENT	RECV.	COMMENTS	QSL \$ #
1853	1735		4.350	SSB		W6VAH	CALIF. LOMA LINDA VA	59	57	2DA NET STARTING AT 1000 LOCAL	
1853	1735		7.235			KD7GR	PARK KING LOT			DAVE - WE ARE BASED IN & WE	
1705			14300	SSB	50	VN6FH	Alberta	57	56	Don - Maritime Mobile Net	
1714			14260	SSB	50	W0DFM	LA	59	57	Don	
1720			1420	SSB	50	W6VAH	SP	55	59	Terry	
1820						KI2TR					
1851	1859		14.40		100	W9MAD	HELENA MT		59	ED HeleNA	
1905			7.240		100	K8TMB		5-7	5-9	TOM COLO, SPRINGS, CO	
1911			7.235		100	N4DTG	N CAROLINA	5-5	5-5	LOWE	
1914			7.235		100	W55AD	OKLAHOMA CITY OK	5-8	5-7		
1916			7.235		100	K8BYLJ	ATLANTA GA	5-5	5-7	ATLANTA GA.	
1917			7.235			W6NYA		5-9	5-9	REDLANDS CA JIM	
1918			7.235			W6GWS		5-9	5-9	FULLERTON CA FRED	
1919			7.235			W6GCO		5-6	5-6	CA JERRY	
1921			7.235			KC2KJG			4.4	MARYLAND	
1924			7.235			KC0PWO		5.9	5-9	REX GUNNISON, CO.	
1927			7.235			K8TRZD		5-3	4-4	WASHINGTON	
1929			7.235			KCTZOH		5-5	5-7	LAS VEGAS KEVIN	
1930			7.235			W0SFKJ		5-8	5-5	DENVER, CO PAULS	
1932			7.235			KC8HPT		5.9	5-7	COLORADO SPRINGS CO DAVE	
2017			14.260			W8BYQJ		5-7	6-5	San Diego,	
2021			11 11			W7JHN		5-9	5-9	Washington, Jay	
2023			11 11			VE6UC	West Bridge, Alberta, Canada		5-6		
2025						W4TTC	Abingdon, VA		5-5		



So, with this background information, OARC would like to discuss several things with your planning group, preferably up front rather than being squeezed in at the last minute.

1. That our club be included in the year-long planning of the event.
2. Comments from Justin lead us to believe that there will be literally “thousands” rather than “hundreds” in attendance. This may necessitate a relocation of our antennas usual place. Its location may be taken over by bleachers?
3. Our radio station location may have to change, if the main building becomes a central bathroom facility?
4. If a location change is needed, will a new location have electricity? We ham operators can, if necessary, operate on generator or battery/solar power, but we have to plan for it. A generator may add background noise. Also we would need space, probably outside the boundaries of the exhibition area to erect a reasonable antenna.
5. We have not interfered with any of the sound systems over the years, but a test of our radios with the new sound system powered on would be a good idea.

6. Would we need to bring an Easy-Up canopy for shade? Our own tables and chairs?
7. We would need passes for the first vehicles into the set-up area for unloading and setting up the antenna and the last ones out after takedown.
8. We have usually stored our valuable radio parts in the main offices overnight. Will such a situation be available or would we have to take the gear home with us and bring everything back the next day (a pain)? The antenna would be left as is for the time we are there.
9. We have operated sometimes for three days, but recently only two days from 9 to 5. How many days and presentations will there be next year? Will there be a day especially for school students or similar groups (busloads)?
10. Our operators normally man a two-hour shift each. They have been exempt from paying the daily/entrance fee. We have had special badges made for our operators to identify those exempt from the fees, but have found in recent years that we didn't need them. Of course the 10th of May is free for every one anyway. What will be the fee structure for the 150th?
11. Will the site become a National Park by then and how would that affect our efforts.
12. We have carried the load alone, over these past years, but maybe the Thiokol/Brigham City/Tremonton/Logan clubs will hear of this and want to join us or do something on their own?

Thank you for your consideration.

Ogden Amateur Radio Club (OARC) of Ogden Utah, Weber County

HOBBY NEWS

Ham Radio Look-a-Like License Plate



Shades of 10 meters. Are there any of you that are members of the 10-10 Club? I found this plate in the parking lot at Walmart in Riverdale (June 2018). I talked to the driver personally and got his permission to take this picture.

The 10-10 net in California was formed in 1962. Each member was assigned a special number. When anyone worked someone on 10 meters, that number was given as part of the QSO exchange. By 1975 there were over 10,000 members. There are now over 75,000 numbers assigned (for life).

I don't know for sure if the 10-10 club still exists or whether the sunspot cycle has quashed it's activity, but this driver was assigned the 10th license plate given out in Oneida County (10), Idaho (around Malad) and seemed to be proud of his plate. If you remember, I sent a picture for the newsletter of another Oneida County plate with the numbers 10-4. Both have their significance to us. Interesting.

TNX—Kent Gardner, WA7AHY

Rick Lindquist, WW1ME, ww1me@arrl.org

Happenings

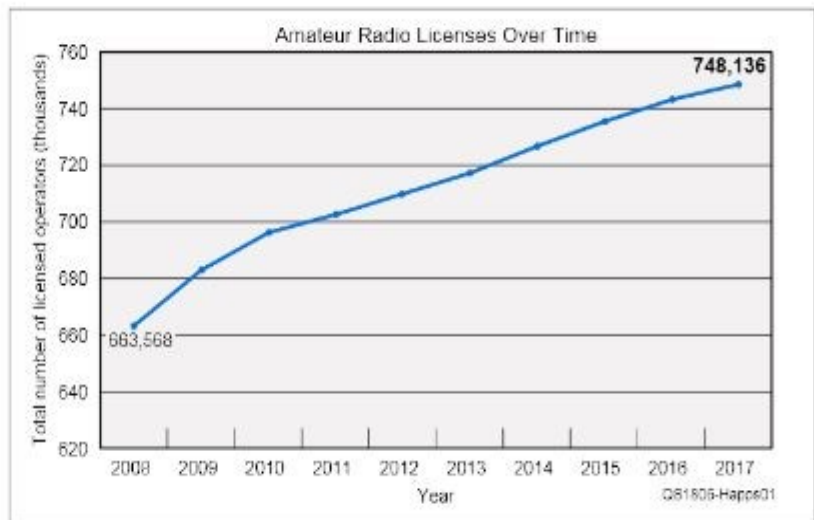
More than 30,000 New Ham Licensees and 7,000 Amateur Radio Exam Sessions in 2017

For the fourth year in a row, more than 30,000 new licensees joined the Amateur Radio ranks, and ARRL Volunteer Examiner Coordinators (VEC) conducted more than 7,000 Amateur Radio exam sessions, serving some 35,350 candidates for a new or upgraded license. At the end of December 2017, the US Amateur Radio population stood at 748,136.

At nearly 378,000, Technician licensees represented the largest segment, with General (174,206), Amateur Extra (145,034), Advanced (41,938), and Novice (9,056) trailing. Licensee numbers showed continued growth across all classes except Advanced and Novice, which the FCC no longer issues; those numbers continue to drop.

“I’m hopeful that the number of new licensees will be more than 30,000 at the end of this year.”

— ARRL VEC Manager Maria Somma, AB1FM



The Amateur Radio population has grown steadily over the past decade, although not at an especially rapid rate.

“I’m hopeful that the number of new licensees will be more than 30,000 at the end of this year,” ARRL VEC Manager Maria Somma, AB1FM, said. “I would love to see this trend continue!”

Despite the optimistic influx of 32,196 newcomers last year, the net growth of 5,349 — about 0.72% over December 2016 — reflects some 27,000 expired or cancelled

licenses in the FCC database over the past year. In making the case for changes to the entry-level license, the ARRL Board’s Entry-Level License Committee referred to “the large number of Baby Boomers (roughly born in 1945 – 65) [who] will soon be aging off the licensee rolls.” The Committee predicted the likelihood of “a significant decline in the number of hams, unless we take steps to reverse it.”

New Amateur Radio Licenses Granted Over the Past Decade

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
28,066	30,144	27,528	24,072	27,082	28,886	33,241	32,077	32,552	32,196

HOBBY NEWS



Colorado 14er Event

August 4 & 5, 2018
Saturday and Sunday
www.ham14er.org

Amateur Radio operators from around Colorado will be climbing many of Colorado's **14,000-foot mountains** and **Summits On The Air (SOTA)** peaks to set up amateur radio stations in an effort to communicate with other radio amateurs across the state and around the world. Join in on the fun during the **27th annual event** and see how many of the mountaintop stations you can contact. The covers the entire weekend but many mountaintop activators will hit the trail early with the goal of being off the summits by noon due to lightning safety concerns.

Now including **Summits On the Air (SOTA)**, which adds over 1700 potential summits! If you aren't up to climbing a 14er, there are many other summits to choose from (with a wide range of difficulty). See the Colorado SOTA web page at w0c-sota.org

Radio operators who plan to activate a summit should post their intent on the ham14er Yahoo Group. To subscribe to the "ham14er" email list, visit the Yahoo groups site at <http://groups.yahoo.com/group/ham14er/>. Also, be sure to check out the event information at <http://www.ham14er.org> It is also a great idea to post an ALERT on the SOTAwatch.org website.

Frequencies used during the event

Activity can occur on any amateur band including HF and VHF. The 2m fm band plan uses a "primary frequency and move up" approach. The 2m fm primary frequency is 147.42 MHz. At the beginning of the event, operators should try calling on 147.42 MHz. As activity increases on that frequency, move on up the band using the 30 kHz steps. *Don't just hang out on 147.42 MHz...move up!* The next standard simplex frequency up from 147.42 MHz is 147.45 MHz, followed by 147.48 and 147.51 MHz.

Frequency (MHz)	Comments	Frequency (MHz)	Comments
147.42	Primary 2m FM Frequency, then up in 30 kHz steps	7.032	40m CW Frequency
147.45	Alternate 2m FM frequency	7.185	40m SSB Frequency
147.48	Alternate 2m FM frequency	10.110	30m CW Frequency
147.51	Alternate 2m FM frequency	14.060	20m CW Frequency
446.000	Primary 70 cm FM frequency	14.345	20m SSB Frequency
446.025	Alternate 70 cm FM frequency	18.092	17m CW Frequency
1294.50	Primary 23cm FM frequency	18.158	17m SSB Frequency
144.200	2m SSB calling frequency	21.060	15m CW Frequency
50.125	6m SSB calling frequency	21.330	15m SSB Frequency
		28.060	10m CW Frequency
Other Bands/Modes	Standard calling frequencies and/or band plans apply.	28.350	10m SSB Frequency

Warning: Climbing mountains is inherently a dangerous activity. Do not attempt this without proper training, equipment and preparation.

Sponsored by *The Colorado 14er Event Task Force*



9th Annual
Snake River Chapter
ISRA Club
Tailgate Swap Meet

Saturday, August 18, 2018

9:00 AM-1:00 PM

Minidoka County Fairgrounds
085 East Baseline Road Highway 25
Rupert, Idaho

HOBBY NEWS

2018 ARRL Wyoming Section Convention

[HamCon 2018](#)[License Exams](#)[Registration](#)[Lodging](#)[Polo](#)[Forums](#)[Swap Meet](#)[Prizes](#)[Wouff Hong](#)[Talk-In](#)

HamCon 2018



September 15, 2018

[Sweetwater Events Complex](#)

Rock Springs, WY

[Archives](#)[Meta](#)[Log in](#)[Entries RSS](#)[Comments RSS](#)[WordPress.org](#)

Search for:

15 September 2018

www.wyominghamcon.org

HOBBY NEWS



We here at Duke City Hamfest Central invite your club to take advantage of two opportunities for strutting your organization's stuff during this year's Albuquerque Duke City Hamfest/ARRL Rocky Mountain Division Convention, Sept. 21-23.

The venue: convention facilities at the Isleta Resort and Casino, conveniently located just off of I-25, south of Albuquerque's airport. The opportunities include:

Staffing a club table in the Grand Foyer. We will have approximately 14 tables set up in the Grand Foyer for clubs that would like to share their activities and experiences with a division-wide gathering. These tables are available at no charge. To ensure that as many clubs as possible get a chance to take part, we're "hot bunking" tables in shifts, with a four-hour minimum, one table per club. A four-hour shift may work better for smaller clubs; longer shifts boost your visibility. The tables are available on a first-come, first served basis. And they are filling up. Current registrants include the *ARRL, Quarter Century Wireless Association, Straight Key Century Club, Whiskey SOTA*, as well as New Mexico clubs such as the *High Desert Amateur Radio Club* and the *Valencia County Amateur Radio Association*. For club-table rules and to register for a table, visit the Clubs page on the convention website at <https://www.dukecityhamfest.org/clubs>.

Co-sponsoring the convention's free Friday night mixer. For a \$50 donation, we would welcome a slide presentation highlighting your club's activities. The presentation will be displayed during the mixer, in a continuous loop that includes presentations from other donors. The slides will be displayed on a large screen available in the room where the mixer is being held. The mixer is free to all registrants. Our guest speaker at the event will be Mike Corey, KI1U, the American Radio Relay League's emergency-preparedness manager.

Your club's presentation should use no more than 10 slides – photos, graphics, and/or text only. If you would like to take advantage of this club-promoting opportunity, mail a \$50 check, payable to New Mexico Hamvention, Inc.. The address: New Mexico Hamvention Inc., P.O. Box 30394, Albuquerque, NM, 87190-0394. Send your slides to registrar@dukecityhamfest.org. Please submit your check and slides by Aug. 1, 2018.

Finally, we have a two-page flier we've produced for promoting the convention. It's meant to be a trifold, but it also works as one page, two sides. We'd be grateful if you could make the fliers available at your meetings and events! You can download the 4 mb PDF [here](#). The flier prints just fine in black and white, so don't worry if your color cartridges are low.

We look forward to seeing what your club has to share with the division's amateur-radio community, either in the Grand Foyer or as a mixer co-sponsor, or both!



ARRL Drone Transmitters Complaint Spurs Proposed \$2.8 Million FCC Penalty

06/07/2018

In the wake of an investigation resulting from a 2017 ARRL [complaint](#), the FCC has proposed fining HobbyKing and associated entities \$2.8 million for apparently marketing noncompliant RF devices and failing to comply with Commission orders. According to a June 5 FCC *Notice of Apparent Liability* ([NAL](#)), HobbyKing appears to have sold audio/video transmitters (A/V) intended for use with unmanned aircraft, such as drones, marketing them as Amateur Radio equipment in some instances.

“The Enforcement Bureau previously issued a *Citation* notifying HobbyKing of its legal and regulatory obligations and ordering it to cease and desist from marketing noncompliant equipment,” the FCC said in the *NAL*. “Additionally, the Bureau issued a *Citation* against HobbyKing for failing to fully respond to a *Letter of Inquiry*. Despite these *Citations*, HobbyKing has continued its apparently unlawful practices.”

HobbyKing had denied that it was marketing its drone transmitters to US customers, but ARRL’s January 2017 complaint pointed out that ARRL Laboratory Manager Ed Hare, W1RFI, was able to purchase two drone transmitters from HobbyKing and have them shipped to a US address for testing in the Lab.

In his 2017 letter to the FCC Spectrum Enforcement Division, ARRL General Counsel Chris Imlay, W3KD, described the transmitters as “blatantly illegal at multiple levels,” and noted that they used frequencies intended for navigational aids, air traffic control radar, air route surveillance radars, and global positioning systems and not Amateur Radio frequencies, as the marketer had purported.

ARRL told the Enforcement Bureau in 2017 that the devices “represent a real and dangerous threat to the safety of flight, especially when operated from a drone platform that can be hundreds of feet in the air.” Hare and ARRL Lab staffers Mike Gruber, W1MG and Bob Allison, WB1GCM, tested the units. Imlay credited ARRL Central Division Director Kermit Carlson, W9XA, and the Electromagnetic Compatibility Committee he chairs, for calling attention to the issue and prompting ARRL’s action.

FEATURE ARTICLE

by Kent Gardner WA7AHY

Of Flags and Antennas, a Hints and Kinks Project

Being a ham radio operator and a veteran goes a long way in helping me feel fulfilled in life and being patriotic adds a special level of pride.

My wife Lauralee and I always go to Bear Lake Idaho for Memorial Day weekend. We take our 14 foot camper trailer and stay for an extended weekend near Bloomington, Idaho at the North end of Bear Lake. Our son is buried in that cemetery as are a lot of Lauralee's progenitors, including her dad who was an Air Force veteran. We take pride in decorating all the appropriate graves with flowers and flags.

Whenever we camp I take my low power (QRP) station including my G5RV Jr. dipole antenna. My transceiver is a five band TenTec Argonaut 509. I use my military surplus aluminum mast sections to raise the wire antenna.

There is a flag raising and patriotic program at the Bloomington Cemetery the morning of the holiday with a community pancake breakfast following. The thought occurred to me that I could use my antenna mast as a flag pole and add to the atmosphere of the campground.



The banner under the Stars and Stripes is my Air Force flag.

I found that it was pretty tricky to use two sets of eye bolts on top and sisal baler twine. The twine, more often than not, became tangled. After more experimentation I came up with the "T" and pulley arrangement, with one rope for the flags and one for the antenna. Also you have to judge the prevailing winds and turn the mast for best flag flying without getting them tangled in the antenna.



The picture above shows how I tied the flags onto the 3/16th inch diamond braid poly rope by tying a bowline-on-a-bite. This worked okay, but the knot is not easy to tie and takes time when raising the flags, so I resorted to some swivel clips as shown below. I put a bit of hot glue on each overhand knot to keep them from slipping. My rope reflects the color of Cub Scout blue and gold. It was left over from a neckerchief slide project.



TNX Kent Gardner, WA7AHY

GUEST ARTICLE

by Dan KB6NU

“Alexa, help me with ham radio”

I have had an Amazon Alexa for nearly a year now. Mostly, I just use it to listen to internet radio stations or tell me a joke, but I think it has more potential than that. For example, I’ve written before about how I’d like to develop an Alexa skill to control my IC-7300. I haven’t gotten around to that yet, but, Joe, N3HEE, has just published an Alexa skill called Continuous Wave. It’s designed to help you learn Morse Code.

To use this skill, you have to first enable it. Once enabled, say, “Alexa, open Continuous Wave.” This opens the skill at the main menu. You can then say any of the following at any voice prompt...

Learn

Practice

Alphabet

Common words

Random words

Words

Sentences

Call signs

Contest

Quick Brown Fox

QSO

Help

Stop – To end your session.

I’ve just played around with this app for a short time, but I’ve found it to be quite entertaining. It does, however, have one big drawback. You can’t set the speed. It’s currently limited to sending at 20 words per minute only.

Also, the learn function could use a little refining. When you give the command “learn,” it asks you for a character, sends that character three times, and then asks you for another. If you could set the speed at which the skill sends characters, it could teach a character like the K7QO Code Course, first sending the character slowly, then ramping up the speed.

Overall, though, I think this is a great first shot at a usable Alexa skill for teaching Morse Code. I hope this is the first of many versions of this skill.

Other ham radio skills

While I was poking around on Amazon, I decided to see what other amateur radio skills might be available. Here are a few that I found:

Ham Exam. Ask Alexa to ask you questions from the Technician Class question pool.

Ham Lookup. Allows you to look up amateurs by call sign. Information is provided from the callbook.info database.

Ham Radio Propagation Forecast. Reports the latest forecasts directly from HamQSL (run by N0NBH).

ARRL Audio News. Adds ARRL Audio News to your Alexa flash briefing.

Building your own voice app

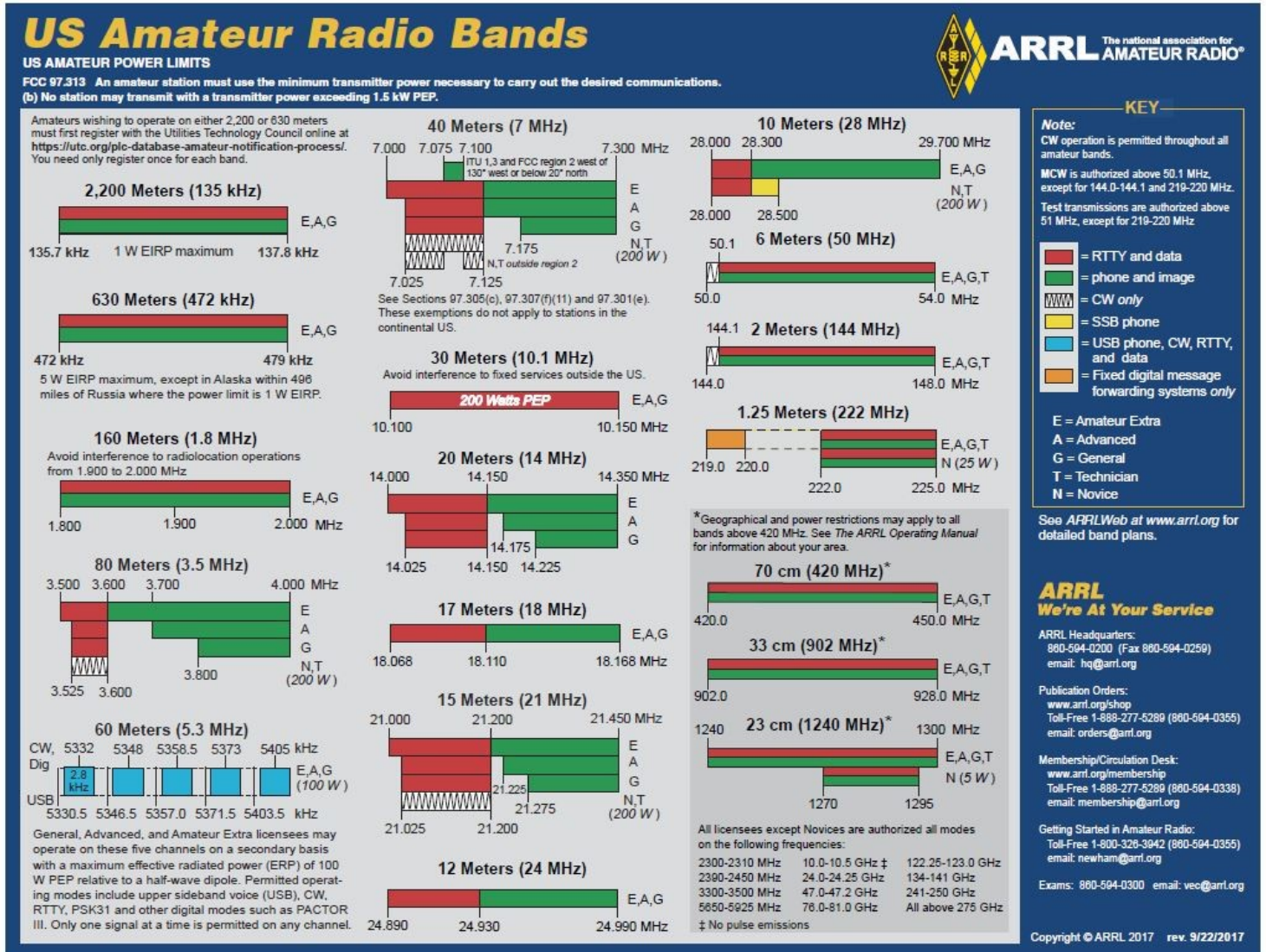
The Continuous Wave Alexa skill was developed using tools found at Voice-Apps.Com. Two other websites—Pullstring and StoryLine—also have tools to help you build voice apps. And, Amazon has an online tutorial that will teach you how to build an Alexa app. I'm just getting started with these tools, so I can't recommend one over the others, but they do look like they'll make developing voice apps easier.

Since I'm currently in the process of updating my *No Nonsense Technician Class License Study Guide*, it occurs to me that I should also develop an Alexa skill for drilling students on test questions. I guess you could call them audio flashcards. Stay tuned for that.

When he's not trying to figure out how to build voice apps, Dan blogs about amateur radio at KB6NU.Com, teaches ham radio classes, and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about the voice apps that you like at cwgeek@kb6nu.com.

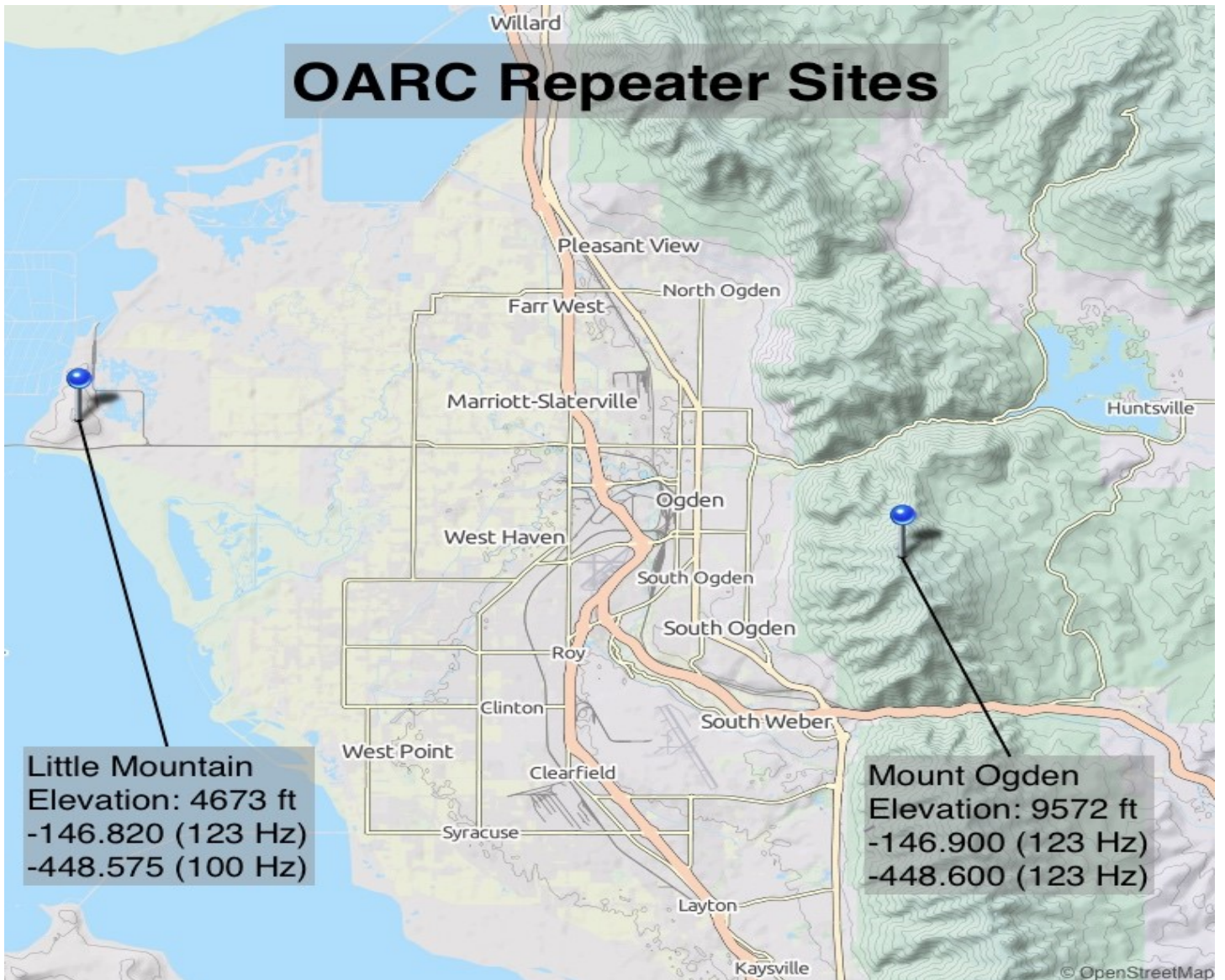
HOBBY NEWS

2017 Ham Band Chart



Download your own copy from the club website!

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.



Club Swapmeet



“SALE” or “WANTED” ITEMS NEEDED

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

Visit www.ogdenarc.org/swap.html

FEATURED ITEMS

SWAP ITEM # 185

FOR SALE:

Estate Ham Radio Equipment (recent sk)

[View Itemized List !](#)

PRICE: per each item as listed

CONTACT: Dave Sanders (K7RGY) at (801) 745-5809

NOTICE

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

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

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:

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 (*)	122 DCS	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 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
UVarc	https://uvarc.club	1 st Thursday 6:30 pm	Orem City Council Chamber Room 56 North State St. Orem 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 W7CVA

Treasurer: Jerry Cottrell KG7IGW

Program Director:
Gil Leonard NG7IL

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 W7CVA

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

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www.OgdenArc.org