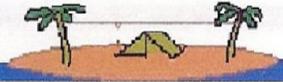




# WATTS NEWS



**The Best of Amateur Radio**

## OARC e-Magazine

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

**MARCH 2016**

**Next Club Meeting/Activity**

**Meeting: Home Brew Show & Tell**



**Gil Leonard NG7IL**  
President



**Jason Miles KE7IET**  
Vice President



**Mike Taylor KE7NQH**  
Secretary



**Jerry Cottrell KG7IGW**  
Treasurer



**Pete Heisig WB6WGS**  
Program Director



**Dave Mamanakis KD7GR**  
Activity Director



**Val Campbell K7HCP**  
Webmaster/NL Editor

---

## **PREVIOUS CLUB MEETING**

---

**Meeting: Solar Panels, Antennas, Grounding,  
Code Enforcement by Doug Smith**

**Date: 3rd Saturday 20 February 2016**

**Time: 9:00 AM**

**Location: Riverdale Fire Station**

---

## **NEXT CLUB MEETING/ACTIVITY**

**Meeting: Get to Know your Fellow Ham  
Home Brew Show & Tell**

**Date: 3rd Saturday 19 March 2016**

**Time: 9:00 AM**

**Location: Riverdale Fire Station**

---

## PREVIOUS MEETINGS PICS

---

Photos by ... not by John Shupe K7DJ0





**Doug Smith**  
**Solar Panels, Antennas, Grounding,**  
**and Code Enforcement**

Doug's Power Point presentation .PDF file can be viewed/downloaded from the "Download" page of the club website.

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



**I waited so patiently in the parking lot while master Gil conducted the February OARC meeting.**

## CLUB NEWS

**From:** Doug Smith <[dougs@wc-3.com](mailto:dougs@wc-3.com)>

**Subject:** Solar PV Basics class info

Thanks for all your great questions and conversation during the solar PV training at the OARC club meeting Saturday 20 February 2016. There was a lot of great dialog!

Some have noticed that my email on my presentation is different than what is shown on my business card. Don't worry, I will get any emails from either email addresses. However, my new email is [dougs@wc-3.com](mailto:dougs@wc-3.com).

Please find my PowerPoint presentation .PDF file on the OARC club website "Downloads" page and other related documents.

PDF version of the class from Saturday. Also, I forgot to mention that I've created checklists that you can use to help you know what is required to be provided on your plans when you submit for a permit to a city.

The 2nd document is a single page list of documents/info that you are required to provide when submitting a permit package and plans to a city.

The 3rd document is a checklist of items required for a string inverter system (and also contains a list of items of a battery backup system - if applicable).

The 4th document is a checklist of items needed for a micro inverter system. Again, the single page list (2nd document) is so you know what documents/info are needed to be provided to a city and the checklists (3rd and 4th documents) guide you to know what needs to be provided on each document that you are going to submit to the city.

If you have any quick questions, I'm happy to help and you are welcome to give me a call or send me an email. However I am extremely busy right now so if you need a more elaborate explanation or need me to review your plans, my office can provide this service to you at our hourly rate.

I hope the class on Saturday was helpful, and I also hope the attached info helps when any of you decide to go solar.

Thanks and take care!

Sincerely,

**Doug Smith - Master Code Professional/CBO**

## QRM from Gil



**Gil Leonard NG7IL**

### Happy St. Patrick's Day

It looks like spring is just around the corner. The snow is melting, the winds are picking up, and the days are much warmer. It's time to get that new antenna up and make repairs to the one winter was so hard on.

This month we will have our annual meet and greet. Do you have some questions you need answered? Are you looking for another aspect of this hobby to investigate? Is there a pet project you have been working on? Then this is the meeting you don't want to miss! We want to see what you have been up to. Bring your restored rig, homebrewed project, photos of your new antenna, or anything else your willing to share with the group.

We have enjoyed some really great meetings so far and we have some really exciting outdoor activities planned for this summer.

The month of May, has our Special Event station at the Golden Spike National Monument in addition to our regular meeting. This is always a great event and enjoyable for all members of your family. The trains are extraordinary and you never know who you will make contact with on the air. Everyone is invited to try their hand at making a contact, even those without a license yet.

The month of June, has us operating Field Day. A 24-hour event with the opportunity to make some great and sometimes rare contacts, share some really good food, and spend the night under the stars if you are so inclined. Join us for the entire event or just stop in when you can. This is a great time to get your kids on the air as contacts can be found across the band.

The month of July, will find you hunting down your breakfast during our annual Fox Hunt. Locate the hidden transmitter and enjoy breakfast in the park. I promise to have a properly operating transmitter and a great first to find prize. More information on all of these events will be presented on the club website and in this newsletter so be sure to check back regularly.

I look forward to seeing you all on the 19<sup>th</sup>!

73 de Gil, NG7IL

---

## OARC COMING EVENTS

---



**Golden Spike special event**

**+/- 10 May 2016**

**Stay tuned for details**



## **CLUB NEWS**

**This months meeting ...**

**Ratify OARC By-Law changes.**

**Please read and be prepared to vote on the enhancements to our clubs By-Laws. The changes involve the addition of “Officers Duties and Responsibilities” of your elected officers.**

**The changes to the By-Laws are indicated in RED type and can be reviewed via a link found on the clubs homepage at the clubs website, right side column.**

**The Officers Duties and Responsibilities document is a separate document that can also be viewed online.**

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

**Thank you in advance,**

**Val Campbell K7HCP**

## CLUB NEWS

### Congratulations to the hams that tested at the OARC Weber Co VE Test Session 04 February 2016. (42 tested in total)

#### TECH (10 new)

Bergsjo, Kevin	KI7BIO
Brown, Gerald	KI7BIM
Gilchrist, Brad	KI7BII
Hales, Dan	KI7BIL
Howard, Timothy	KI7BIK
Lloyd, William	KI7BIH
Ross, Vick	KI7BIF
Spencer, Don	KI7BIG
Whimpey, Jay	KI7BIN
Yarosik, Robert	KI7BIP

#### GENERAL (3 new + 15 upgrades)

Andersen, Paul	KG7HHW
Clark, Jim	KI7BIE
Hanzlik, Rich	N7NGK
Howard, Andrea	KG7LIG
Johnson, Malcom	KE7BXY
Lisonbee, Gene	KF7WLX
Mitchel, Kenneth	KF7HXD
Nay, Brent	KF7YYM
Neal, Michael	KI7AOX
Pilch, Andrew	KG7KDP
Rosier, Stephen	KI7BJL
Sawyer, Lerrin	KG7JWZ
Sawyer, Zachery	KG7HYO
Siddle, Barbara	KB7FWW
Siddle, James	KG7CJN
Smith, Robert	KG7EIZ
Terrell, Martha	KG7QNR
Young, Stephen	KI7BIJ

## HOBBY NEWS

### JOHN MABEY W7CWK - **SILENT KEY**

DAVIS COUNTY AMATEUR RADIO CLUB

Wednesday, 17 February 2016

*It is with deep sadness that I pass along to you that John Mabey W7CWK passed away peacefully with his family by his side this afternoon about 3:20 PM. John had been a stalwart in the Utah Amateur Radio Community for many years, a friend and Elmer to all he met. John's key is now silent but his memory will remain with us as long as we live.*

## HOBBY NEWS

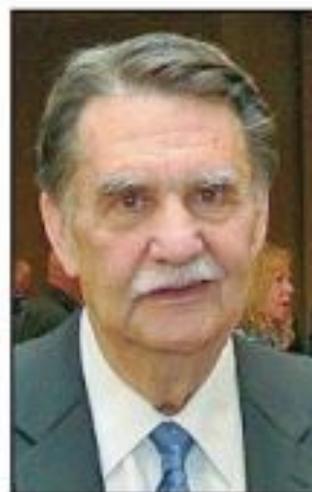
### **Ham Radio Outlet Founder Robert G. Ferrero, W6RJ, SK**

Ham Radio Outlet (HRO) Founder Robert G. "Bob" Ferrero, W6RJ (ex-K6AHV), of Danville, California, died on December 4 after a period of ill health. He was 78. An ARRL Life Member, Ferrero was a California state trooper and US Navy veteran when he acquired Ham Radio Outlet in Burlingame, California, in 1971. What he characterized as a "little radio emporium on a wooden train platform" has grown into the world's largest ham radio retail chain.

Ferrero took part in several DXpeditions, including Kingman Reef, Austral and Marquesas Islands, and the now-deleted Bajo Nuevo and Serrana Bank. He operated as 9J2RA, TJ1GB, and W6RJ/Z2, as well as from HZ1AB in the 1980s and early 1990s.

Ferrero was inducted into the CQ DX Hall of Fame in 1997 and into the CQ Amateur Radio Hall of Fame in 2005. In 2009, the editors of *CQ*, in conjunction with the Visalia DX Convention, recognized Ferrero "for his many contributions to Amateur Radio."

Survivors include his son Robert, W6KR, a co-owner of HRO and a DXpedition partner.



Bob Ferrero, W6RJ

## HOBBY NEWS

### **ARRL 2016 Rocky Mountain Division Convention**

Keystone Conference Center

May 13-15, 2016

### **HamCon Colorado 2016**

**is coming to Keystone Conference Center in Keystone, CO**

**May 13 - 15, 2016**

What a beautiful location to expand your knowledge of radio and meet up with hams from all over the Division and beyond.

Two action packed days of informational forums, nationally recognized speakers, opportunity to get on the air at the W1AW/Ø special event station, vendors galore, VE testing, fun contests and of course the Wouff Hong ceremony.



**Register by February 12, 2016**

To Receive:

- 1 Free Ticket for Early Bird Prize Drawing
- 1 Free Badge Lanyard
- 1 Free HamCon Commemorative Pin

**Register Now At:** [www.hamconcolorado.org](http://www.hamconcolorado.org)

### **Editors comments:**

#### **HAM CON 2016 Rates**

-----  
**Room Reservations: \$111 / night**

**Event Early Bird Registration: \$20**

**Food:**

**Friday Evening BBQ: \$36**

**Saturday Subway Lunch: \$33**

**Saturday Evening Banquet: \$46/\$48**

**Sunday Morning Breakfast: \$28**

## Unclaimed Club Badges

Our club treasurer is worried about several of you that have not picked up your new pre-paid OARC club badge. Your badge doesn't look quite like this one because it has your call sign and your name on it but we are quite sure you will enjoy yours just the same. You can claim your badge at any future club function, meeting, activity or event or contact our club badge czar Jerry KG7IGW.



---

<p><b>KD7RPT, Sparky</b> <b>KF7HNU, Ralph</b> <b>KG7LWV, Nate</b> <b>KG7WXB, Jared</b></p>	<p><b>KT7JIM, Jim</b></p>
--	---------------------------



---

## 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

---

**Your Sales/Wanted Item could be posted here.**

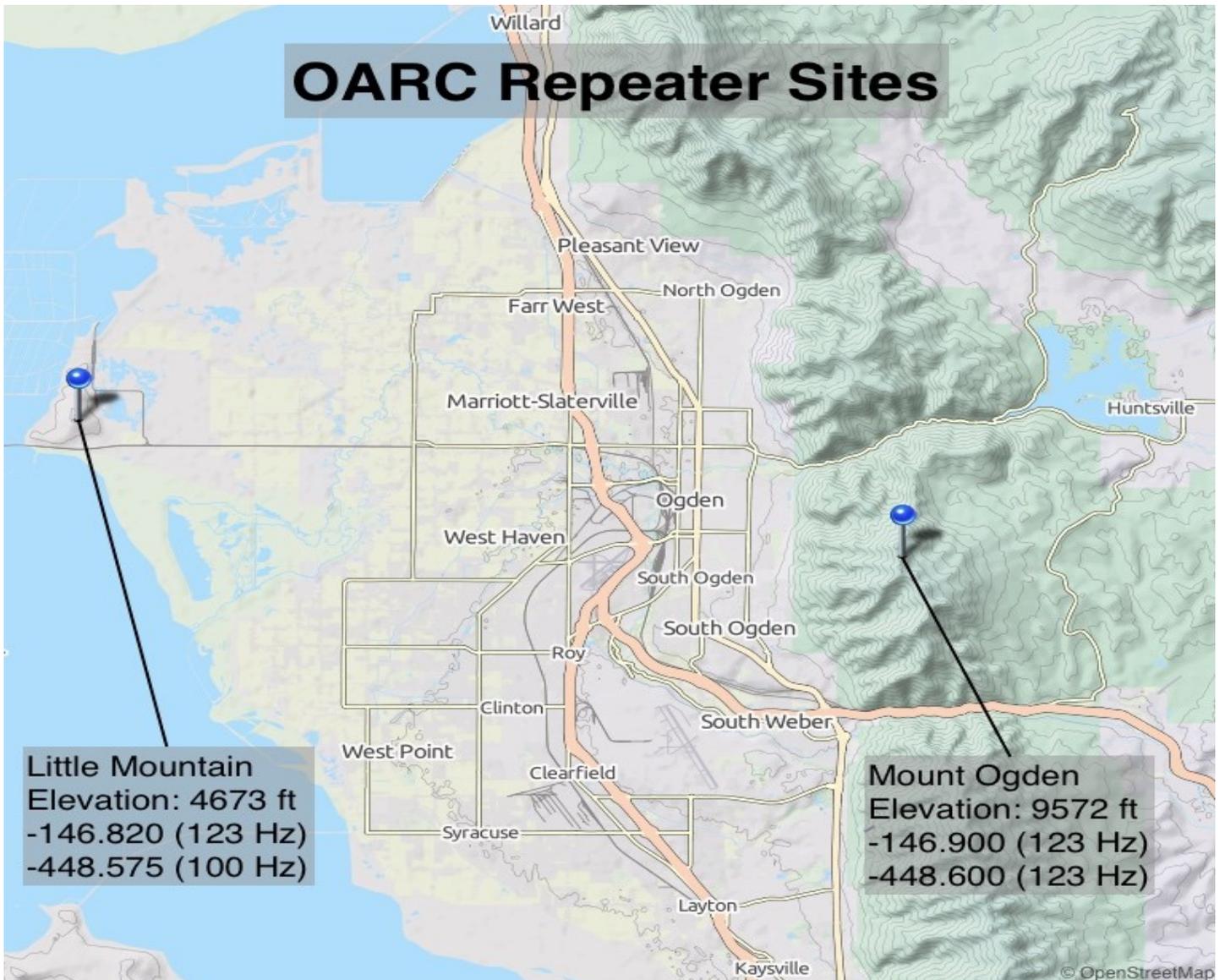
---

### **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.**

**More to come ...  
following the next 3 pages of commercials.**

**Please stay tuned.**

## 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.



## FCC Seeks Comments on Petition to Grant Lifetime Amateur Radio Licenses

02/24/2016

The FCC is seeking comments on a *Petition for Rule Making* ([RM 11760](#)) that asks the FCC to grant lifetime Amateur Radio licenses. Mark F. Krotz, N7MK, of Mesa, Arizona, filed his request with the FCC last November. He wants the FCC to revise § 97.25 of its rules to indicate that Amateur Radio licenses are granted for the holder's lifetime, instead of for the current 10 year term. Krotz noted that the General Radiotelephone Operator License (GROL) already is issued on a lifetime basis, and he maintained that not having to renew licenses would lighten the FCC's workload.

"It would be mutually beneficial for the FCC and Amateur Radio operators to update Part 97 to grant operator licenses for lifetime, Krotz said in his filing. "The FCC would benefit by reducing administrative costs."

In 2014 the FCC granted lifetime credit for examination elements 3 and 4, but applicants seeking relicensing under that provision still must pass examination element 2.

Individuals may [submit](#) comments via the FCC's Electronic Comment Filing System (ECFS).



## FCC Invites Comments on ARRL Petition That Seeks 80/75 Meter Adjustments

02/23/2016

The FCC has put the ARRL's January *Petition for Rule Making* ([RM 11759](#)) on public notice and invited interested parties to comment on what the League has called "minimal but necessary changes" to 80 and 75 meters. The ARRL petitioned the FCC to fix a "shortfall in available RTTY/data spectrum" that the Commission created when it reapportioned 80 and 75 meters 10 years ago.

The League's petition asked the FCC to shift the boundary between the 80 meter RTTY/data subband and the 75 meter phone/image subband from 3600 kHz to 3650 kHz. The proposed change received strong support from ARRL members, and the ARRL Board of Directors adopted it as policy at its July 2015 meeting. At that time the Board also agreed to seek RTTY and data privileges for Novice and Technician licensees within their current 15 meter CW subband, and to do the same on 80 meters, depending on the outcome of the 80/75 meter subband revision.

The petition asks the FCC to make the following changes to the Part 97 Amateur Radio Service rules, with respect to 80/75 meters:

- Modify the RTTY/data subband, so that it extends from 3500 kHz to 3650 kHz.
- Modify the phone/image subband, so that it extends from 3650 kHz to 4000 kHz.
- Make 3600-3650 kHz available for General and Advanced Class licensees, as was the case prior to 2006.
- Make 3600-3650 kHz available to Novice and Technician licensees for telegraphy — consistent with existing rules permitting Novices and Technicians to operate CW in the 80, 40, and 15 meter General and Advanced RTTY/data subbands.
- Modify the rules governing automatically controlled digital stations (ACDS), to shift the ACDS segment from 3585-3600 kHz to 3600-3615 kHz, consistent with the IARU Region 1 and 2 band plans.

"ARRL has analyzed the regulatory limitations as part of a comprehensive effort to make more efficient the use of those HF allocations, especially with respect to encouraging further experimentation and proficiency in narrowband digital communications technologies," the League said in concluding its *Petition*. "The recommendations for modified band plans developed by ARRL necessitate the few, but important regulatory changes proposed."

## Continued

According to the ARRL, the FCC *Report and Order* in Docket 04-140 released in 2006 departed substantially and without justification from the rules proposed in the FCC's so-called "Omnibus" *Notice of Proposed Rule Making (NPRM)*, with respect to 75 and 80 meters. Among other actions, the resulting changes expanded voice privileges on additional frequencies in various bands, including 75 meters. The FCC shifted the phone/image subband from 3750-4000 kHz to 3600-4000 kHz, trimming the 80 meter RTTY/data subband from 3500-3750 kHz to 3500-3600 kHz and substantially changing "the entire dynamic of this band," the League said.

Although the Omnibus *R&O* had indicated that incumbent licensees would not lose any operating privileges, some clearly did, the ARRL has pointed out. The most substantial adverse effect of the "unexpected and vast expansion" of the 75 meter phone/image subband, the League said, was the elimination of access to 3620-3635 kHz by ACDS.

The Omnibus *R&O* rule changes limited 80 meters to 3500-3600 kHz, and no longer authorized RTTY and data emissions above 3600 kHz. That the Omnibus *R&O* did not modify § 97.221 of the rules to provide for ACDS "was clearly an oversight by the Commission."

After the FCC denied a subsequent ARRL *Petition for Reconsideration*, the Commission replaced the inadvertently deleted 3620-3635 kHz ACDS segment with 3585-3600 kHz.

"Far from fixing the problem created by the error in the Omnibus *R&O*, the moving of the inadvertently deleted digital subband downward in frequency below 3600 kHz made the situation in the 80 meter RTTY/data subband even worse than it was," the ARRL said. The result has been a shortfall in available RTTY/data spectrum at 80 meters.

# FEATURED ARTICLE

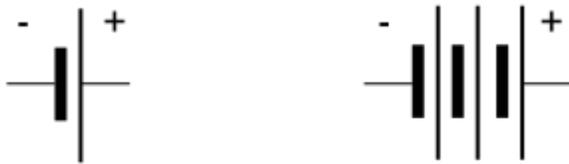
by Kent Gardner WA7AHY

## Cell vs. Battery

When I was growing up, I always smiled when my mother referred to a button cell for her hearing aid as a “batry”. Where she picked up that quaint pronunciation, I don’t know, and little did I know that the word “cell” laying hidden in that first sentence would, one day, pop out of obscurity and take on a useful meaning to me.

Back then in the “40s and 50s”, everyone knew that the things you put in a flashlight to make the light turn on were batteries and the large cylinders three inches in diameter and six inches high that populated my science teacher’s desk were dry cells.

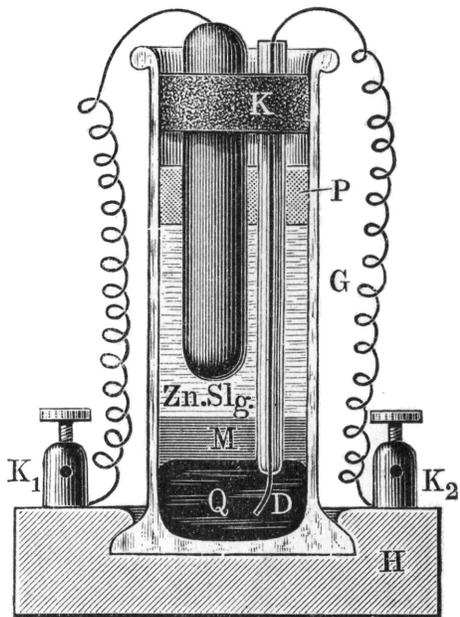
For years, I routinely used the terms battery and cell interchangeably and I didn't lose any sleep over the use of these terms. When I got interested in radio and electronics and learned how to use schematic symbols, however, I began to wonder.



An electric **battery** is a device consisting of **two** or more [electrochemical cells](#) that convert stored chemical energy into electrical energy (my emphasis added). This description was cut and pasted from the internet. Each cell could also be called a pile in memory of Alessandro Volta. Volta would stack his piles on top of each other to increase the voltage. If you look closely, most all cells and batteries are still identified as “piles”, I guess, to satisfy international markets. We’ll say that a single cell is 1.5 volts direct current. The battery schematic pictured above would seem to indicate that three cells stacked on top of each other would add up to 4 ½ volts. It was found that higher voltages would result in unwieldy large schematic symbols so a two or three cell battery would be drawn and a label showing the actual voltage would be placed near the symbol.

While attending a radio club meeting in Fullerton, California, years ago, the speaker took on the topic of whether a “cell” could also be referred to as a battery. He covered some interesting history.

He showed us a very old “Standard Cell” as shown below. It seems that the electric/electronic laboratories across the country needed a standard voltage reference to calibrate their meters and instruments.



The **Clark cell**, invented by English engineer [Josiah Latimer Clark](#) in 1873, is a [wet-chemical cell](#) (colloquially: *battery*) that produces a highly stable [voltage](#). In 1893, the output of the Clark cell at 15 C was defined by the International Electrical Congress as 1.434 volts, and this definition became law in the United States in 1894. This definition was later supplanted by one based on the [Weston cell](#).<sup>[1]</sup>

This Wikipedia explanation seems to confirm (colloquially: battery) that the real definition shows a cell is not officially a battery..

The American Radio Relay League seems to have entered the fray with:

T7B10 (A)

Which component can amplify a small signal using low voltages?

- A. A PNP transistor
- B. A variable resistor
- C. An electrolytic capacitor
- D. A multiple-cell battery

D is, of course, not the right answer, but it adds explanation. It would seem to follow that a cell would be called a single-cell battery.

I know that cells and batteries are not exactly pertinent to my salvation, but it was interesting in my learning process. Now I can move on to a more pressing question such as why brown cows don't give chocolate milk.

Kent Gardner, 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: **-146.82 (pl 123.0)**

Check OARC web site for details

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

Please invite a friend to join you. You do not have to be a member of the club to participate in our club meetings or activities. We invite all to join us.

If anyone is interested in doing a presentation on something or just have something unique to show at the meetings. - Please get a hold of any of the officers and let us know.

### Next Weber Co VE Test Session:

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

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

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

**Location: Permanent location**

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

### Contact: VE Liaison:

**Rick Morrison W7RIK** (Liaison)

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

**Jason Miles KE7IET** (IT)

**Cost: \$ 14.00**

Two forms of **ID**, one of which must be a **picture ID**.

For "Upgrades" bring current **license** and a **copy** of current license, and any **CSCE's**

Most **calculators** allowed. Calculator memories must be cleared before use.

# Club Web Site

Be sure to visit our club web site.

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

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

## Club Call Sign

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

**W7SU**

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

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

See you there.

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

<b>OTHER AREA REPEATERS</b>			
FREQ	CLUB	TONE	LOCATION
146.620-	UARC	none	Farnsworth Pk
147.120+	UARC	100.0	Farnsworth Pk
449.100-	UARC	146.2	Farnsworth Pk
449.500-	UARC	100.0	Farnsworth Pk
147.040+	DCARC	123.0	Antelope Isl
447.200-	DCARC	127.3	Antelope Isl
449.925-	DCARC	100.0	No Salt Lake
145.290-	GSARC	123.0	Brigham City
145.430-	GSARC	123.0	Brigham City
147.220+	GSARC	123.0	Brigham City
448.300-	GSARC	123.0	Brigham City
146.640-	BARC	none	Logan
146.720-	BARC	103.5	Mt Logan
147.260+	BARC	103.5	Promontory Pt
449.625-	BARC	103.5	Mt Logan
145.250-	WSU	123.0	* coming soon
449.250-	WSU	123.0	* coming soon
145.490-	K7HEN	123.0	Promontory Pt
146.920-	N7TOP	123.0	Promontory Pt
449.775-	N7TOP	123.0	Promontory Pt
147.100+	Morgan	123.0	Morgan Co
448.825-	IRLP/Echo	123.0	Clearfield City
449.950-	IRLP	123.0	Clearfield City
449.425-	IRLP	100.0	Nelson Peak
147.360+	Summit Co	100.0	Lewis Peak

## AREA CLUB MEETINGS & WEB SITES

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

## LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mt	Utah Beehive net HF	7.272 Mhz <b>HF LSB</b>
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz <b>HF CW</b>
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz <b>HF LSB</b>
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz <b>HF LSB</b>
Sunday @ 7:30 PM	GS ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.100 +123.0
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Monday @ 9:00 PM	2-meter SSB net	144.250 Mhz <b>2-meter USB</b>
<b>Tuesday @ 8:00 PM</b>	<b>Weber ARES</b>	<b>448.600 - 123.0</b>
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 8:00 PM	GS ARC	145.290-, 145.430-, 448.300- (all 123.0)
Wednesday @ 8:30 PM	CSERG	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz <b>HF USB</b>
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz <b>6-meter USB</b>
Thursday @ 6:30 PM	Davis Co Elmers Net	147.040 + 123.0 <b>New Hams</b>
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0 3 <sup>rd</sup> Thursday - even months only
Thursday @ 8:30 PM	Davis ARES	147.420 = simplex
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mst	RACES State HF	3.920 Mhz <b>HF LSB</b> 3 <sup>rd</sup> Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz <b>HF LSB</b>

## OARC OFFICERS

President: Gil Leonard NG7IL

Vice Pres: Jason Miles KE7IET

Secretary: Mike Taylor KE7NQH

Treasurer: Jerry Cottrell KG7IGW

Program Director:  
Pete Heisig WB6WGS

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: John Shupe K7DJO

QSL Manager: John Shupe K7DJO

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

---

**73 es cul de W7SU**

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