



WATTS NEWS



The Best of Amateur Radio

Welcome to the OARC e-Magazine

www.OgdenArc.org

MARCH 2011

Next Club Meeting/Activity

3rd Saturday 19 March 2011

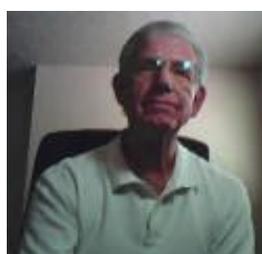
Topic: Lance Peterson KD7OYA >> ARES



Kim Owen K07U
President



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Jamie Howell KF7LQY
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Val Campbell K7HCP
Webmaster/NL Editor

PREVIOUS CLUB MEETINGS

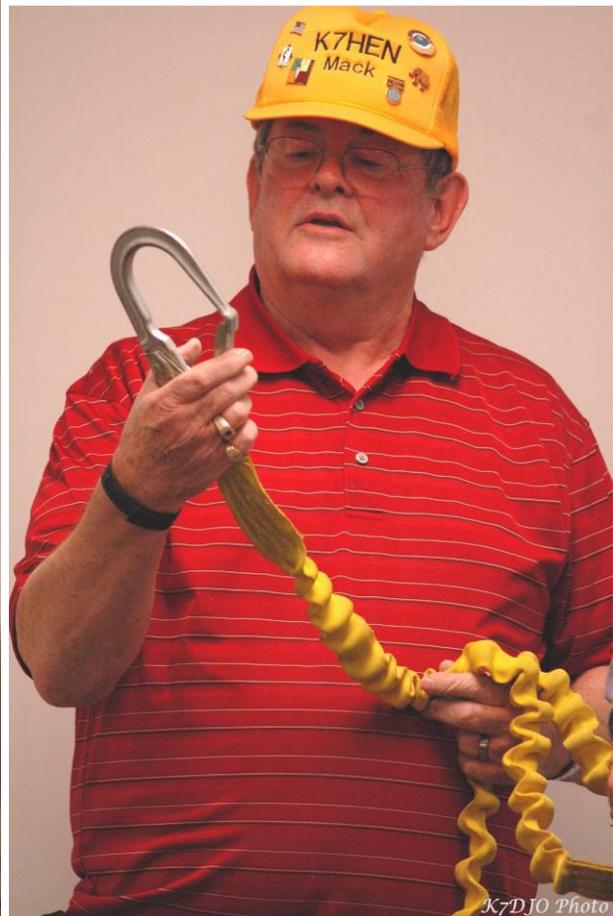
Saturday 19 February 2011

- Mack Gilbert K7HEN
 - Antenna & Tower Safety
 - Grounding & Lighting Safety

Mack entertained one of the largest number of OARC attendees in many months. His style was strictly verbally while exchanging years of hands on experience to a very interested audience.

Mack once owned a tower erection company and has raised several hundred towers over the years. Safety is his motto and proper grounding is his religion.

Thank you Mack for sharing a part of your life and your passion with us. We really enjoyed your presentation.





K7DJO photo



K7DJO Photo



K7DJO Photo

NEXT CLUB MEETING

When: 3rd Saturday 19 March 2011
Time: 09:00 AM
Topic: Lance Peterson KD7OYA >> ARES
Location: Riverdale Fire Station

"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.

Call Sign License Plates - almost

I found the Missouri WA7 plate at the service entrance at a car dealership in Riverdale. The 6 in the middle of the suffix gives it away. The N2FR plate was more difficult to get. I had to follow the vehicle for some time before he pulled in his driveway. He was hesitant to let me take a picture of it until I told him that I was a ham and took great pleasure in finding unusual tags that seemed at first glance to be radio amateur plates. You don't need much help in identifying what his profession was. I did a search on ARRL's website, but no one has claimed that call sign.

TNX, Kent WA7AHY



FROM KIM'S SHACK



From Kim's Shack



Kim Owen K07U - President

CQ ALL Members and Friends of OARC

So, what is Amateur Radio?

Of all the answers that we get by asking that question, the answer is:

It's ALL OF THE ABOVE (see below).

With the sober events from the Japan earthquake, we will inevitably hear of ham heroes who have turned their hobby into public service. Many of our ham friends participate exclusively in the public service side of ham radio. Our timely topic for this month's meeting is Amateur Radio Emergency Service (ARES). We will have Lance Peterson/KD7OYA who is the Emergency Manager (EM) of Weber County. He will be talking about ARES in Weber County.

As EM, Lance is under the purview of the Weber County Sheriff. Lance is a great organizer and has put together the Weber County Sheriff's ARES Team. The Weber County Sheriff's ARES Team meets the first Saturday of the month at the Weber County Sheriff's Office. They also conduct a net on Tuesdays at 8:00 PM on the 448.600 repeater. Using his position and skills, he was able to acquire and administer Homeland Security grants for the purchase of repeaters and other ham radio equipment for the benefit of ARES in Weber County. OARC is very fortunate to have Lance's support and his presentation will be informative. Come and join us.

The four repeaters that we have were funded by these grants. The 146.900 (PL-123) and 448.575 (PL=100) are at Little Mountain. The 448.600 (PL-123) and 146.820 (PL-123) are at Mount Ogden. The Little Mountain site is operated entirely on solar and battery power. The repeaters are here for our use and benefit, so don't hesitate and make a call on them. Learn to use them and become familiar with them before an emergency.

OARC has a repeater fund which is separate from other club funds and is to be used to maintain the repeaters. If you are able and willing to donate the OARC repeater fund, it would be appreciated. Contact any club officer for more information or send a check to the P. O. Box listed on the OARC web page. Please indicate on your check "OARC Repeater Fund".

Additional information about OARC Funds: The OARC bylaws require that we manage and maintain donations to Membership Dues, Repeater funds and Auto-patch funds as separate accounts. Transferring funds from one account to another requires club ratification. We also maintain a Volunteer Examiner (VE) funds which are used exclusively (in accordance with FCC rules) for test sessions. Note that donations to the Repeater or Auto-patch funds are not substitutes for membership dues.

March Madness means college basketball tournaments are under way. They are an indication that spring is near. In the spring we see many requests from various organizations to provide radio support for public service events. A number are listed on the Amateur Radio Public Service Events web page at: <http://www.arpse.org/>. To see events listed, you will be required to create a login account.

Last of all during disasters please check the ARRL web page for frequencies set aside for use by disaster relief organizations and give them ample bandwidth.

For now,
73 de Kim/KO7U

CLUB NEWS

The original K7 HAMsters... A Reunion from the late 50's



K7HCP (Val Campbell), K7DOT (John Gaz), K7HEN (Mack Gilbert), K7DJO (John Shupe)

Following the last OARC meeting, four old time Ham friends from the late 50's were re-united for a rare chance to reminisce about the good old times. All were originally licensed as Novices while attending Jr High School in 1957. Some did not necessarily know the others previously but were brought together through the hobby and through common ham mentors that we obtained over time.

Not present at this meeting but very much a part of the original group were: Mike Collette K7DOU and John Merrill K7NJY (sk).

HOBBY NEWS

FCC Issues California Man \$7000 Forfeiture Order for Refusing FCC Inspection

03/10/2011

After a Merced, California man refused to let FCC investigators inspect his Citizens Band (CB) radio station, the [FCC issued a *Notice of Apparent Liability for Forfeiture \(NAL\)* for \\$7000](#). The Commission found that Ira Jones “ apparently willfully and repeatedly” violated [Section 303\(n\) of the *Communications Act of 1934, as amended*](#), and [Section 95.426\(a\) of the Commission’ s rules](#) by failing to permit the inspection.

On March 26, 2010 and August 27, 2010, agents from the FCC’ s San Francisco Office responded to a complaint regarding radio frequency interference within the radio communication system equipment of the Merced County Fire Department. On each of these dates -- in an effort to determine the cause of the reported interference created within the Merced County Fire Department radio communication equipment and to resolve it -- the agents requested an inspection of Jones’ CB radio station. Jones denied both requests, despite the fact that at both inspections, the agents explained the violations to Jones, and provided him with repeated verbal and written on-scene warnings of the consequences of refusing to allow an inspection of a radio station.

Jones must pay the \$7000 forfeiture by April 9, 2011 or file a written statement by that date, seeking a reduction or cancellation of the proposed forfeiture.



Spectrum Management Bill Threatens Amateur Frequencies

On February 10, Representative Peter King (R-NY-3), Chairman of the House Homeland Security Committee, introduced [HR 607, the Broadband for First Responders Act of 2011](#). The bill has been referred to the House Energy and Commerce Committee, which handles telecommunications legislation. HR 607 addresses certain spectrum management issues, including the creation and maintenance of a nationwide Public Safety broadband network. As part of that network, the bill provides for the allocation of the so-called “D-Block” of spectrum in the 700 MHz range for Public Safety use.

The D-Block consists of two, 5-megahertz-wide segments of spectrum (758-763 and 788-793 MHz) that became available when the FCC ended analog television broadcasts in June 2009 and reallocated the 698-806 MHz band for Public Safety and commercial broadband. It was anticipated that the D-Block would be auctioned for commercial use. There are several bills in Congress providing for the allocation of the D-Block for Public Safety use, and HR 607 is one of those. But HR 607 uniquely provides for the reallocation of other spectrum for auction to commercial users, in order to offset the loss of revenue that would occur as the result of the allocation of the D-Block to Public Safety instead of commercial auction. HR 607 lists the paired bands of 420-440 MHz and 450-470 MHz among the bands to be reallocated for commercial auction within 10 years of its passage.

“Of serious concern to the ARRL is the inclusion of the 420-440 MHz amateur allocation in the list of frequencies to be cleared for auction,” said ARRL Regulatory Information Manager Dan Henderson, N1ND. “The ARRL and the Amateur Radio community certainly support the work of public safety agencies and understand their desire for an interoperable network; however, the inclusion of most of the amateur 70 cm spectrum as one of the replacement bands is illogical and unacceptable. The 420-440 MHz band is not Public Safety spectrum and should never have been included in any spectrum swap of Public Safety allocations.”

Saying that the ARRL Washington team has already begun meeting with key Congressional staff on Capitol Hill, Henderson noted that Amateur Radio already shares the 70 cm band on a secondary basis with the governmental radiolocation services, such as the PAVE PAWS radar systems: “The 70 cm band is a critical and irreplaceable resource for Amateur Radio public service and emergency communications. The specification of the 420-440 MHz band in this legislation is ill-conceived. To be sure, the ARRL will vigorously oppose this legislation in its present form. It is, as evidenced by other legislation, completely unnecessary to the creation of a nationwide Public Safety broadband network or the use by Public Safety of the D-Block for that purpose. The role of the Amateur Service as a partner to Public Safety in the provision of public service and emergency communications necessitates the retention of full access to the entire 420-440 MHz band.”

HR 607 is presently cosponsored by the Homeland Security Committee’s Ranking Member, Representative Bennie Thompson (D-MS-2) as well as Representatives Shelley Berkley (D-NV-1), Yvette Clarke (D-NY-11), Billy Long (R-MO-7), Candice S. Miller (R-MI-10), Laura Richardson (D-CA-37), Mike Rogers (R-AL-3), and Michael Grimm (R-NY-13).

FEATURE ARTICLE

By Dan Romanchik, KB6NU

The Lost Art of Cable Lacing

The Make: magazine blog is a wealth of information for amateur radio operators. Recently, they ran a post on what they consider to be on the "lost technology" of cable lacing <<http://blog.makezine.com/archive/2009/07/lost-knowledge-cable-lacing.html>>.

The blog post does a great job of explaining the technique and includes several illustrations. One of them <http://cdn.makezine.com/make/blogs/blog.makezine.com/upload/2009/10/lost_knowledge_cable_lacing/cableLacing6b.gif> is a drawing from an old ARRL handbook. There are also a link to the Wikipedia page on cable lacing <http://en.wikipedia.org/wiki/Cable_lacing>.

Nowadays, we mostly use zip ties to bundle cables, but there are disadvantages to using them. For one thing, to apply them properly, you should have a tool that controls how tightly the zip tie holds the wires. This is to prevent crushing the insulation.

Also, I've found that zip ties don't do so well when the cable has only two or three wires. They're just not designed to hold so few wires. I think that cable lacing would do a much better job of keeping a small bundle of wires together, say wires that connect front panel components to a PC board.

Cable lacing certainly looks much cooler than zip ties. This is the perfect technique for those homebrewers that want to make their projects look great as well as work great.

I asked on my blog, "Now, where can I find the 'wax-impregnated cotton or twine'?" and my readers came through. Hamilton said, "Apparently you find wax string here: <http://www.kitkraft.biz/product.php?productid=1496>. I remember using it for something as a kid, but I can't place it." Ron McKenz wrote, "I notice that a number of telco vendor sell waxed lacing cord. Here are a few URLs: <http://www.sourcetelsupply.com/catalog/index.php?cPath=27>, <http://www.tessco.com/yts/resourcecenter/pdfs/clablelacing-FAQ.pdf>, and <http://www.oelsales.com/product.cfm/267/>."

Ned, WB4KBO, said, "I would suggest a large roll of dental tape and a large-diameter curves sewing needle for fabricating harnesses. I was told that this was the material of choice for lacing harnesses when i worked at Heath Company many years ago. Makes sense to me. Buy it at Meijer for an occasional harness, or a dental wholesale supply house if you are going into production. Also great stuff for kite rigging, vine lacing and many other things."

Mike, WA6ARA wrote, "What you want is Mil-T-43435. It is better than a cord, it is a flat weave tape, nylon, and waxed. It is made for cable lacing but is use now in the parachute industry as "super tack". Item T1050 at <http://www.paragear.com>"

So, there you have it. Links to show you how to do it, and a couple more links for where to find the lacing material. I now expect all of our homebrew to look a lot neater.

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When not worrying about how to lace cable instead of using zip ties, Dan, KB6NU, blogs about ham radio at www.kb6nu.com, teaches ham radio classes, and operates CW on the HF bands. Look for him around 7.030 MHz or e-mail him pictures of your beautifully-laced cables at cwgeek@kb6nu.com.

ANNOUNCEMENTS

Next Club Meeting: 3rd Saturday 19 March 2011

- The Ogden Amateur Radio Club meetings are usually held on the 3rd Saturday of each month.

- **Time: 09:00 AM**
- **Location: Riverdale Fire Station**
- **Topic: Lance Peterson KD7OYA
>>> ARES**
- **Talk-in: -146.90 (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.
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Next Weber Co VE Test Session: 1st Wednesday 01 June 2011

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

Time: 05:00 PM *Walk-ins allowed*

Location:

**Weber County Sheriff Office
(Training room)
721 W 12th Street Ogden UT**

Contact: VE Liaison:

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

Cost: \$ 14.00

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

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

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

Club Web Site

Be sure to visit our club web site.

- www.OgdenARC.org

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

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

Club Call Sign

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

- **W7SU**

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

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

See you there.

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

OTHER AREA REPEATERS			
FREQ	CLUB	ZONE	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
ATV	UARC	Ch-58	Farnsworth Pk
147.040+	DCARC	123.0	Antelope Isl
447.200-	DCARC	127.3	Antelope Isl
449.925-	DCARC	100.0	No Salt Lake
145.290-	UBET	123.0	Brigham City
145.430-	UBET	123.0	Thiokol
448.300-	UBET	123.0	Thiokol
146.640-	BARC	none	Logan
146.720-	BARC	103.5	Mt Logan
147.260+	BARC	103.5	Promontory Pt
449.625-	BARC	103.5	Mt Logan
145.250-	WSU	123.0	* coming soon
449.250-	WSU	123.0	* coming soon
145.490-	K7HEN	123.0	Promontory Pt
146.920-	N7TOP	123.0	Promontory Pt
449.775-	N7TOP	123.0	Promontory Pt
448.825-	IRLP/Echo	123.0	Clearfield City
449.950-	IRLP	123.0	Clearfield City
449.425-	IRLP	100.0	Nelson Peak
147.360+	Summit County	100.0	Lewis Peak

AREA CLUB MEETINGS & WEB SITES

CLUB	WEB SITE	DATE/TIME	LOCATION
Ogden ARC	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
Ubet	27meg.com/~k7ub/	4th Thursday 6:30 pm	BE-Thiokol: 24 East 100 South Brigham City Utah
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)
WD Arc	westdesertarc.org/	1 st Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	arcweber.edu	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	UBET ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.060 = simplex
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Monday @ 9:00 PM	2-meter SSB net	144.250 Mhz 2-meter USB
Tuesday @ 8:00 PM	Weber ARES	448.600 - 123.0
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 8:00 PM	UBET 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: Kim Owen KO7U

Vice Pres: James Clarke KD7SWL

Secretary: Larry Griffin AD7GL

Treasurer: Jeff Anderson KD7PAW

Program Director:

Justin Doxford KE7ROQ

Activity Director:

Jamie Howell KF7LQY

"WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

OTHER CLUB APPOINTMENTS

Webmaster: Val Campbell K7HCP

Historian: Kent Gardner WA7AHY

Advisor: Kent Gardner WA7AHY

Advisor: Stan Sjol WOKP

QSL Manager: John Shupe K7DJO

Equipment Manager: Val Campbell K7HCP

Repeater Engineer: Mike Fullmer KZ7O

VE Liaison: Mary Hazard W7UE

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www.OgdenArc.org