



# WATTS NEWS



**The Best of Amateur Radio**

*Welcome to the OARC e-Magazine*

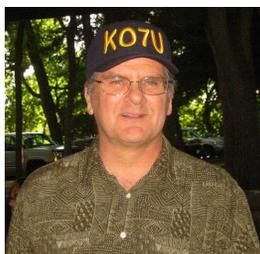
[www.OgdenArc.org](http://www.OgdenArc.org)

**SEPTEMBER 2011**

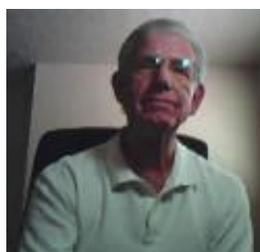
Next Club Meeting/Activity

**3rd Saturday 17 September 2011**

Topic: Joint Swap Meet



Kim Owen K07U  
President



Larry Griffin AD7GL  
Vice President



Gary Hudman KB7FMS  
Secretary



John Shupe K7DJO  
Treasurer



Gil Leonard KF7KPL  
Program Director



Jamie Howell KF7LQY  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

## PREVIOUS CLUB MEETINGS

3rd Saturday 20 August 2011

### Steak Fry + Elections

August is always the month for the OARC steak fry activity and meeting. At this time all memberships come due for renewal and we elect new officers for the following 12 months. Kim Owen KO7U will remain our President again this year. Larry Griffin AD7GL was our Secretary but will now become our club Vice President. Gary Hudman KB7FMS has agreed to be our club Secretary. Thank you Gary for your wiliness to step up, to make the club successful. John Shupe K7DJO is our new club Treasurer replacing Jeff Anderson KD7PAW, who has decided to take a break from leadership this coming year. Jeff, thanks for the many years of service you provided our club in the years gone past. John Shupe has been a board member for a few years now acting as our QSL manager and club Photographer but will now be a club officer as well. Gil Leonard KF7KPL agreed to be our club Program Director, notably the most difficult position on the board. After his note worthy success with saving our Field Day activity last July the next 12 month should be a breeze for him.

Stan Sjol WOKP ran a very successful auction following the business portion of our meeting. Congratulations to all that placed winning bids for the donated equipment.

This year Jeff Anderson KD7PAW was the lucky winner of the Grand Door Prize, a new Hand Held Dual Band Transceiver (made in China).

Until next year... 73.







# NEXT CLUB MEETING

**When:** 3rd Saturday 17 September 2011  
**Time:** 8:00 AM

**Location:** Bountiful Park

**Activity:** Joint Swap Meet

**For September we will be holding our annual Joint Swap Meet.**

This will be held at **Bountiful Park** which is by the Bountiful Recreation which is located at about **100 West 400 North** in Bountiful.

**DCARC, UARC, OARC, and other groups will attend so this will be a great event with everyone coming.**

Come and enjoy visiting with other hams, besides buying and selling treasures.

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## "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**.

## FROM KIM'S SHACK



Kim Owen KOTU - President

CQ All member and Friends of OARC

A new OARC year has started. With the elections that occurred at the Steak Fry a new board will be gathering soon to discuss club activities for the coming year. I am looking forward to working with them!

Saturday, we will be joining the Davis Amateur Radio Club (DCARC) and the Utah Amateur Radio Club (UARC) at a joint swap meet in Bountiful. This is an opportunity to pickup some equipment that you need and enjoy the fellowship of our friends in DCARC and UARC.



Who is this person? She was known as Hedy Lamarr, an actress of the 1940s. Lamarr and neighbor, composer George Antheil, experimented with automated control of musical instruments. Their effort involved multiple player pianos playing simultaneously. Their invention would later lead to

what is now known as frequency-hopping or spread-spectrum.

Their early version of frequency hopping used a piano roll to change between 88 frequencies and was intended to make radio-guided torpedoes harder for enemies to detect or jam. The idea was not implemented in the USA until 1962, when it was used by U.S. military ships during a blockade of Cuba.

Their patent was little-known until 1997, when the Electronic Frontier Foundation gave Lamarr an award for this contribution. In 1998, Ottawa wireless technology developer Wi-LAN, Inc. acquired a 49 percent claim to the patent from Lamarr for an undisclosed amount of stock. Their frequency-hopping idea serves as a basis for modern spread-spectrum communication technology, such as COFDM used in Wi-Fi network connections and CDMA used in some cordless and wireless telephones.

([http://en.wikipedia.org/wiki/Hedy\\_Lamar](http://en.wikipedia.org/wiki/Hedy_Lamar) )

"And now you know the rest of the story"

73, de Kim/Ko7U.

## CLUB NEWS

A treasured OARC club member Robert Shafer W7FZ recently become a silent key. His YL has decided to make his impressive amateur radio station equipment available to our club members. You can see the equipment at this months joint swap meet. Other wise, contact Randy Thompson WA7ZLU for information.

73 and 88 Robert.

### Equipment For Sale from Robert Shafer W7FZ (silent key)

	Current Retail	Asking
MFJ-998 Antenna Tuner (almost new condition)	\$599.00	\$500.00
Astron RS-12A Power Supply		\$35.00
Gap Challenger DX Antenna (very good cond)	\$339.00	\$150.00
Gap Titan DX Antenna (excellent cond)	\$399.00	\$225.00
MFJ-422 Electronic Keyer with Bencher paddles	\$189.00	\$100.00
Shure 444 Microphone (good cond)		\$60.00
Fluke 8600A Function Generator (clean cond)		\$50.00
Swan WM5200 Watt Meter (clean cond)		\$20.00
Oak Hills Research WM-1 Watt Meter (clean)		\$65.00
Kenwood SM-220 Scope (good cond)		\$200.00
MFJ-929 200W 1.8-30Mhz Auto Tuner with Digital Watt Meter (NIB)	\$199.95	\$175.00
MFJ-854 RF Current Meter (NIB)	\$119.95	\$100.00
Autek QF-1A Audio Filter (good cond)		\$75.00
PolyPhaser IS-B50LN-C1 Broadband DC 50-700 MHz Blocked Protector	\$65.95	\$30.00
MFJ-910 Mobile Antenna Matcher	\$29.95	\$20.00
Mirage BD-35 Du-Band HT Amp 45W(2M) 35W (440Mhz) (clean cond)	\$179.95	\$110.00
Kenwood TS-2000 Transceiver (Like new cond)	\$1,699.95	\$1,250.00
Astron RS-35A DC Power Supply (good cond)	\$159.95	\$80.00
Kenwood TS-480 Transceiver & Control Head (Excellent Condition)	\$1,199.95	\$800.00
Gap Hear-it DSP Speaker (good cond)	\$159.95	\$90.00
Ameritron ALS-600 Solid State Linear Amp w/PS (Near new condition)	\$1,279.95	\$850.00
Ameritron ARB704 Amplifier Switching Interface w/Kenwood Plug	\$59.95	\$40.00
Various cables and coax jumper jumpers, Alinco HT, odds and ends items available-off		

All retail prices shown are current HRO regular website prices.

Contact Randy Thompson KA7ZLU at 801-782-2263 for further info.

# HOBBY NEWS

## AN ACCIDENT REPORT

I am writing in response to your request for “additional information”. In block number 30 of the Accident Report form, I put “poor planning” as the cause of my accident. You said in your last letter that I should explain more fully. I trust the following detail will be sufficient:

I am an amateur radio operator. On the day of the accident, I was working alone on the top section of my new 80-foot antenna tower. When I completed my work, I discovered that I had, over the course of several trips up the tower, brought about 300 pounds of tools and spare hardware. Rather than carry the now unneeded tools and materials down by hand, I decided to lower the items in a small barrel by using a pulley, which fortunately was attached to the pole at the tip of the tower. Securing the rope at ground level, I went up to the top of the tower and loaded the tools and materials into the barrel. Then I went back to the ground and untied the rope, holding it tightly to insure a slow descent of the 300 pounds of tools.

You will note in block number 11 of the Accident Report form that I weigh 155 pounds. Due to my surprise at being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rapid rate up the side of the tower. In the vicinity of the 40-foot level, I met the barrel coming down. This explains my fractured skull and broken clavicle.

Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley. Fortunately, by this time I had regained my presence of mind and was able to hold tightly on the rope in spite of the pain. At about the same time, however, the barrel hit the ground. The bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed 20 pounds. I refer you again to my weight in block number 11. As you might guess, I began a rapid descent down the side of the tower. In the vicinity of the 40-foot level, I met the barrel coming up. This accounts for the two fractured ankles and the lacerations on my legs and lower body.

The encounter with the barrel slowed me down enough to lessen my injuries when I fell into the pile of tools; and fortunately only three vertebrae were cracked. I am sorry to report; however, that as I lay there on the tools in pain, unable to stand, and watching the empty barrel 80 feet above me, I again lost my presence of mind. I let go of the rope....

# FEATURE ARTICLE

By Dan Romanchik, KB6NU

## **It's Back to School Time...for Ham Radio, too!**

As I write this, it's about 85 degrees, and I'm sitting on the patio of a cottage overlooking Elk Lake in northern Michigan. This idyllic spot is about as far away from school as you can get. And yet, in less than a month, kids will be back in school, and if kids are going to be back in school, why not ham radio operators?

The fall is a good time to begin teaching a new group of Technicians. I favor the "Tech in a Day" or "Ham Cram" type of class. This type of class focuses on teaching students the answers to questions on the test rather than the material itself.

There's a lot of controversy about this, and many decry this method of teaching, but I think the best way to learn about ham radio is by actually doing it, and you can't do if you don't have a license. Besides, how much more instruction will students actually get in a more traditional eight-week or ten-week course, maybe 16 hours? Will those 16 hours make that much of a difference?

For the sake of argument, let's say that you've decided to offer a one-day Tech class. Now what? Well, the first thing you have to do is to find a place to teach it. Possible sites include your local public library, a township hall, a community college, perhaps even your church.

Now that you have the place, you need to find some students. Your local emergency-management group would be a good place to start. Also, make sure a notice gets published in your amateur radio club's newsletter. Chances are most of the subscribers already have licenses, but they may have friends or relatives who would be interested. Also, make sure the class gets listed in the upcoming events section of local newspapers or magazines.

Once people start signing up, you should suggest that they either purchase a study guide or download my free study guide ([www.kb6nu.com/tech-manual](http://www.kb6nu.com/tech-manual)). Because I use my study guide when teaching the class, I always advise them to get a copy, but if you'll be using other materials, then your advice may differ.

I counsel the students to read through my study guide a few times and take some online practice tests before coming to class. That will make them familiar with the material, especially areas they may be weak in or have questions about. By bringing those questions to class, we can address those areas in a little more depth, which will, hopefully, give them the help they need to pass the test.

The class itself is six hours long, running from 9am to 3pm, at which time we give them the test. This is not a lot of time for the amount of material I have to cover, so I move along at a pretty brisk pace. I concentrate on giving them the answers, but with enough context to that it all makes sense.

OK, let's say your class was wildly successful, and you now have a group of newly-minted Techs. What do you do now?

Well, you might consider offering some short sessions on what ham radio operators do--Ham Radio 101, so to speak. The topics could include how to choose your first radio, the basics of FM repeater and net operation, and building your first antenna (say a 2m ground plane). They'll be more enthusiastic about these classes now that they actually have a license.

It might also be a good idea to schedule a General Class license course for sometime shortly after the Tech class. This will encourage them to upgrade while they are enthusiastic about the hobby.

I hope that this has encouraged you to offer some ham radio courses of your own. If you have any questions, feel free to e-mail me at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com) or phone me at 734-930-6564. Good luck, and let me know how your classes turn out.

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When not preparing for his next ham radio class, Dan publishes the "No-Nonsense" study guides for the Technician and General Class license exams. Free versions and print version are available from his website at [www.kb6nu.com/tech-manual](http://www.kb6nu.com/tech-manual). E-book versions are available for the Kindle and devices that run the Kindle app on Amazon.Com and for the Nook on BarnesandNoble.Com.

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# ANNOUNCEMENTS

## Next Club Meeting:

**3rd Saturday 17 September 2011**

- The Ogden Amateur Radio Club meetings are usually held on the 3<sup>rd</sup> **Saturday** of each month.

- **Time: 8:00 AM**
- **Location: Bountiful Park**
- **Topic: Joint Swap Meet**
- **Talk-in: -146.90 (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 05 October 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](mailto: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.

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## 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.

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	<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
Ubet	<a href="http://27meg.com/~k7ub/">27meg.com/~k7ub/</a>	4th Thursday 6:30 pm	BE-Thiokol: 24 East 100 South Brigham City Utah
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)
WD Arc	<a href="http://westdesertarc.org/">westdesertarc.org/</a>	1 <sup>st</sup> Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	<a href="http://arcweber.edu">arcweber.edu</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	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 <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	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 <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>

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*OARC OFFICERS*

President: Kim Owen KO7U

Vice Pres: Larry Griffin AD7GL

Secretary: Gary Hudman WB7FMS

Treasurer: John Shupe K7DJO

Program Director:  
Gil Leonard KF7KPL

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

Photographer: John Shupe K7DJO

QSL Manager: John Shupe K7DJO

Equipment Manager: Val Campbell K7HCP

Repeater Engineer: Mike Fullmer KZ7O

VE Liaison: Mary Hazard W7UE

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**73 es cul de W7SU**

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