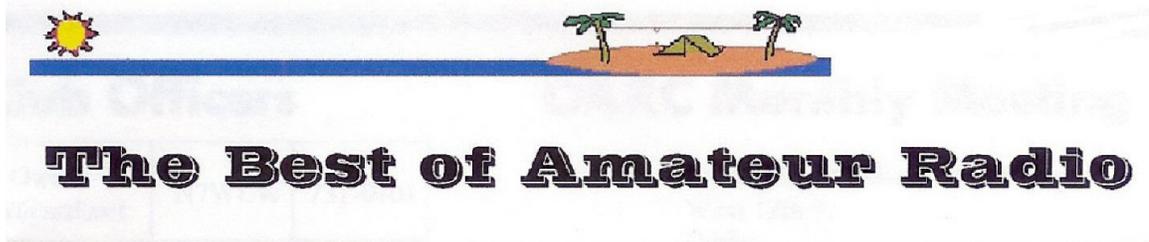




WATTS NEWS



Welcome to the OARC e-Magazine

www.OgdenArc.org

DECEMBER 2007

Next Club Meeting

3rd Saturday December 15, 2007

Topic: OARC Family Dinner



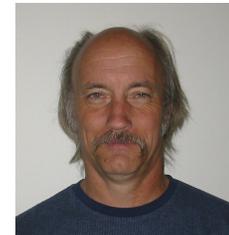
Kent Gardner WA7AHY
President



Kim Owen KO7U
Vice President



Maggi Campbell N7HCP
Secretary



Jeff Anderson KD7PAW
Treasurer



Mike Webster N9NZ
Director #1



Stan Sjol W0KP
Director #2



Mike Fullmer KZ7O
Past Pres/Advisor



Val Campbell K7HCP
Webmaster/Editor

NEXT CLUB MEETING

When: 3rd Saturday December 15, 2007

Time: 6:00 PM

Location: **Eastern Winds Chinese Buffet**
3740 Washington Blvd - South Ogden UT

Topic: OARC Family Dinner

Talk-in: -146.90 (pl=123)

PREVIOUS CLUB MEETING

3rd Saturday November 17, 2007

American Red Cross of Northern Utah Emergency Services

**Ford Thompson -
American Red Cross - Northern Utah Emergency Services Director**

ford@redcrossutah.org

www.redcrossutah.org



PREVIOUS CLUB MEETING

3rd Saturday October 20, 2007

Editors Note:

Last months newsletter contained the following report about the October club meeting however since I was out of town and could not attend I did not have any photos of the meeting to share with you. Thanks to Mike Groves KD7MG I now have the following photos to document that meeting. Enjoy!

NOAA - NWS presentation by Mike Seamons

Mike Seamons from the National Oceanic and Atmospheric Administration, National Weather Service spoke to us. He had some of the most awesome video footage of severe weather and instructed us in Significant Weather Event Reporting. We had the opportunity to be trained to be weather spotters while others just relaxed and enjoyed the excellent presentation on a very fascinating subject. Hope you were able to attend.





FROM THE PRESIDENTS SHACK



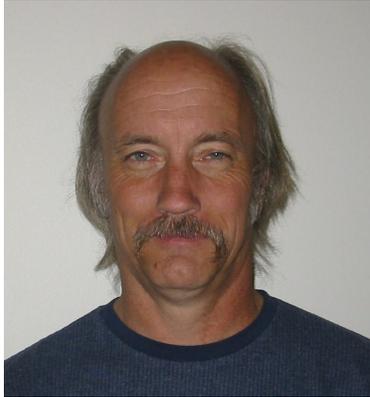
Kent Gardner WA7AHY

'Tis the season to turn on the heater in the ham shack. I wonder...does it get so cold that the antenna freezes and won't let any RF out? It sounds like a good time to get together for a nice warm dinner at the Eastern Winds Chinese Buffet on Saturday 15 Dec 07. There will be no regular club meeting that morning. The warm festivities start at 6:00 PM. Bring the family. The buffet will be \$6.50 each and you pay for your own sodas and tips. Eastern Winds is located at 3740 Washington Blvd. There will be drawings for a number of ham radio and non-ham gifts and the main prize will be a Grundig YB400PE portable shortwave receiver with SSB and CW capability. This just may be the ticket to be a companion receiver to some of the QRP transmitters that some club members have built like the Tuna Tin or Mighty Mite. Very interesting. Paid up members or renewals will each get a ticket for this special drawing. Everyone will each receive a ticket toward the general drawings.

I sort of envy James Clarke with his call KD7SWL. How lucky to get such a call. Shortwave listening has been a favorite pastime over the years. I can still remember having my National SW-54 five-tube receiver on the shelf over my bunk in the dorm at Utah State. I would turn out the lights and get into bed and then reach up above my head where the shelf holding the radio was and slowly tune the bands looking for exotic foreign stations. There I go again thinking about keeping warm. No matter the temperature I hope that all of you will have a warm and mysterious Christmas and New Year trying to pull out DX stations during the bottom of the sunspot cycle or should I say sunspot Hertz?

TNX Kent, WA7AHY

CLUB OFFICER BIO



Bio - Jeff Anderson - Treasurer

I live in Brigham City with my wife - Lynda, and son - Griffin. My daughter Hailey is attending Southern Utah University in Cedar City.

I learned electronics, compliments of the US Navy. As luck would have it, I was trained to work in the field of signal intercept. I worked on computer systems, and radio receivers of all types. After the Navy, I worked several years for defense contractors in the Washington, D.C. area. I currently work for a small contract manufacturing company in Fredericksburg, VA. I work out of my house, doing primarily hardware and software design of embedded microcontroller based devices for clients in the D.C. area.

During my time in the Navy, and as employment later, I have been able to play with lots of radios. And I developed an interest in short wave listening using the older, vacuum tube based receivers. I have acquired, and restored, a few nice old receivers (and a few true boat anchors). But a few years back I sold my more valuable receivers. I have quite an interference problem at my QTH... and besides, I needed the money for my other hobby... I bought an MG. I like small sports cars, and am a past officer of the Bonneville Rod and Custom Car Club, which puts on the Peach Days Car Show in Brigham City.

I got my Tech license late in 2001 and my General a few months later. Then a few years ago I found the Ogden Amateur Radio Club via the club web site. I sent an email, and somebody invited me to a meeting. So now I am the newly elected club treasurer.

I still really enjoy working on older receivers, and I'm very interested in the new digital forms of radio, including Software Defined Receivers. And I love to build kits. It's an obsession. Call it a kit... and I'll buy it.

As a ham, I don't get on the air too much. But I just got a newer transceiver (about 20 years old), and put up another antenna, so maybe this winter I'll do it.

73 - Jeff KD7PAW

CLUB NEWS

NEW OGDEN AREA 2 meter NET NEW!

(informal general information net)

- **Wednesdays 21:00 (09:00 PM)**
 - **Little Mountain Repeater (146.90 Mhz, - Offset, Tone=123.0)**
 - **Everyone welcome - check-in and chat with your friends**
-

OARC Membership Renewals are now due

- **August is OARC membership renewal month**
(please don't forget to renew your membership)
- **Renew at the next club meeting**

-OR-

- **Renew via US Mail: Click ([Join OARC](#)) on the club website menu bar**
-

ARRL Legislative Positions for the 110th Congress

Objective : The ARRL seeks legislation to extend the requirement for “reasonable accommodation” of Amateur Radio station antennas (a requirement that now applies to state and local regulations) to all forms of land use regulation.

The ARRL seeks from Congress an instruction to the FCC to apply its longstanding preemption policy to all types of land use regulations, consistently and without discrimination.

The federal interest in protecting and enhancing Amateur Radio emergency and public service communications and in promoting the Amateur Radio Service generally as a benefit to the public is the same in areas that are subject to covenants, conditions and restrictions as in areas subject only to state and municipal land use regulation.

AR HOBBY NEWS



Feature: It Seems to Us: Absolute Zero (Dec 1, 2007)

"Sunspot-wise, we seem to be stuck in a trough between Solar Cycles 23 and 24. Lately the W1AW propagation bulletins have been reporting zero sunspots, day after day. The level of solar activity was low throughout 2006 and 2007 and is not expected to begin to pick up until around March 2008 -- months later than earlier predictions."



EMERGING TECHNOLOGY: NEW SURVEY SAYS INTERNET HEADED TO GRIDLOCK

Hams who see emergency communications over the Internet as the future of traffic handling might want to rethink their position. This, if a new report that predicts that Internet usage could outstrip network capacity worldwide in a couple of years proves to be as accurate as it seems to be. Amateur Radio Newsline's Bruce Tennant, K6PZW, has the details:

The study was conducted by the advisory firm Nemertes Research. The report is the first to assess the Internet infrastructure and current model as well as projected traffic patterns independent of one another. And it says that the Internet access infrastructure, specifically in North America, will cease to be adequate for supporting demand within the next three to five years.

But that's not all. The Nemertes report says that the cost required to make capacity meet demand is in the area of \$42 billion to \$55 billion in the United States. This would primarily be spent on broadband access capacity. The firm says that figure is 60 to 70 percent beyond the \$72 billion service providers are planning to invest.

Even bigger is the required investment globally to keep data flowing freely across the Internet. It's is estimated at \$137 billion, again primarily in broadband access."

If the reports authors are correct, Internet users could increasingly encounter Internet brownouts or other interruptions to their applications they use online. For example, it may take more than one attempt to confirm an online purchase or it may take longer to download the latest video from a site like YouTube. And for hams trying to communicate using radio to Voice over Internet Protocol technology it could mean a major slowdown in message delivery speed. And when lives are at stake, such a roadblock would be intolerable.

For the amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

FEATURE ARTICLE

Book Review by Kent WA7AHY

ARRL's HF Digital Handbook

by Steve Ford WB8IMY

From my early attempts to get an old Klienschmidt mechanical teletype machine working and also watching RTTY and Morse code letters appearing on screen from my Commodore 64 computer, digital communications has had a certain fascination.

I received a circular from ARRL a month or so ago advertising the Fourth Edition of the *HF Digital Handbook*. I didn't remember seeing the first three editions, but jumped at the chance to order this one. I intended to find some radio-to-computer interface circuits in it that would help me with PSK31.

The book is cut the same size as our recent license study guides but is smaller than the current QST magazines so it doesn't match the skyline of my bookshelves holding my QSTs from the early sixties. It isn't even the same size as the early QSTs. The digital handbook is shorter and wider than those vintage magazines. I am forced into a three level arrangement. The cover is blue toned and slick and to me is nice looking.

In first searching the index I found a lack of information on any interface circuits. Everything was pretty general in nature. The book was nicely arranged in chapters, each containing some great information on each type of digital communication. It wasn't necessarily arranged in chronological order of their invention and use. I learned a lot and even found some names of schemes that I had never heard of.

After an introductory and assembling your station chapters the schemes covered were:

- RTTY
- PSK31
- PACTOR
- WinLink 2000
- Clover
- Hellschreiber
- MFSK
- G-TOR, MT-63, Throb, Olivia and DominoEX

The final chapters covered HF Digital Contesting, Voice and Imaging and Automatic Link Establishment and a list of Resources.

I will dutifully put it on my shelf even though the covers don't match.

TNX Kent, WA7AHY

Note: to all members. If any of you have purchased a new piece of equipment or book, make an effort to write a review for the rest of us so it can be posted on the club's website or published in the club newsletter. Give the document/review directly to Val or email it to any of the club officers.

ANNOUNCEMENTS

Next Club Meeting:

3rd Saturday December 15, 2007

- The Ogden Amateur Radio Club meetings are usually held on the 3rd Saturday of each month.
- **Time: 6:00 PM**
- **Location: Eastern Winds
Chinese Buffet**

Topic: OARC Family Dinner

- **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.

Next Weber Co VE Test Session:

1st Wed February 06, 2008

- 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 CENTER
2380 Washington Blvd,
Room # 112
OGDEN, UT 84401**

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	TONE	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	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
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
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 09:00 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 @ 6:30 PM (winter)	Weber ARES	448.600 - 123.0
Tuesday @ 8:00 PM (summer)	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	CSEARG	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 @ 7:00 PM	Davis ARES	147.420 = simplex
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	RACES State VHF	145.490 - 123.0, 146.680 - 123.0 3 rd Thursday - even months only
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: Kent Gardner WA7AHY
Vice Pres: Kim Owen KO7U
Secretary: Maggi Campbell N7HCP
Treasurer: Jeff Anderson KD7PAW

Director #1: Mike Webster N9NZ
Director #2: Stan Sjol WOKP

"WATTS NEWS" e-Magazine

Editor: Val Campbell K7HCP

OTHER CLUB FUNCTIONS

Webmaster: Val Campbell K7HCP
VE Liaison: Mary Hazard W7UE
Repeater Engr: Mike Fullmer KZ7O
Past President - Advisor:
Mike Fullmer KZ7O

73 es cul de W7SU

www.OgdenArc.org