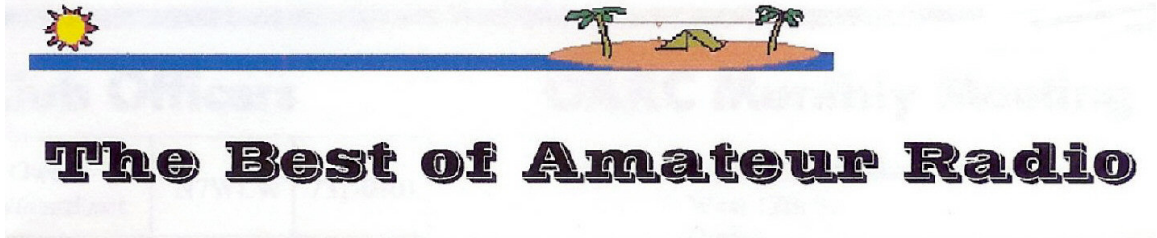




WATTS NEWS



Welcome to the OARC e-Magazine

www.OgdenArc.org

July 2005

Next Club Meeting

July 16, 2005

Topic: Outdoor Breakfast Meeting



Gary Liptrot N7ZI
President



Mary Hazard W7UE
Vice President



Jim Southwick N7JS
Secretary



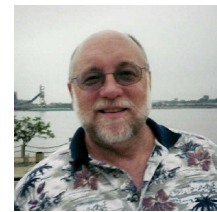
Charles Horn KD7SST
Treasurer



Mike Fullmer KZ7O
Director #1



James Clarke KD7SWL
Director #2



Val Campbell K7HCP
Webmaster/e-Magazine Editor

PREVIOUS CLUB MEETING

Field Day - June 25 & 26, 2005

Field Day started off bright and early for me. I arrived at the site at about 7:30 AM and was surprised to see that Tim Samuelson-KE7DOA was already there walking around. I knew that Val-K7HCP and Maggi-N7HCP had decided to spend the night up there, but they were nowhere to be seen. Still sleeping from all that partying the night before I guessed!

Slowly but surely the setup crew all arrived. Our unexpected godsend Tim-KE7DOA went to work right away on clearing the weeds and getting the camp site cleaned up and ready for the nighttime fire. No doubt, he had done this several times before. We had to make up another announcement paper plate to attach to the mailbox on the way in due to having an overzealous mailman remove it from the day before. Seems he had read his employee manual the night before and decided he was going to be "Rambo" mailman. As Gary-N7ZI and I attached it the second time, I heard Gary utter a few choice words under his breath which I of course gave instant approval to.

The next item on the agenda was very important - get the antennas up! Jim Clarke-KD7SWL had secured a wrist rocket along with a couple of heavy bolts we would attach to the rope. Ultimately the rope would pull up the wire. The theory had been used before and I was sold. We prepared the rope along the ground for least resistance and tied the bolt to end of it. Jim was given the go ahead to launch this baby into the ozone and over our first tree. My eyes closed a little as he pulled it back and whop! We got a whopping 10 foot launch. Dud. No problem. It was just a bad launch. Jim got it ready again and we prepared for success. Thud! This time we got 12.5 feet. A couple of more tries and the same thing. I glanced over at Mike Fullmer-KZ7O and knew right away he saw this wasn't going to work when he uttered "You should have brought a vertical". Mike Konkol-KD7TZD then decided to put his expert wrist rocket skills to use. It was better but no goose. Maybe 25 feet. Seems he had used one of these as a kid - however we were not sailing a pebble. We then tried the wrist rocket with a bolt and fishing line a few times. Problem was,

Gary and I had bought the fishing line used to catch guppies. The stuff broke just looking at it wrong. We then decided it was time to just throw a stupid rock attached with duct tape to the rope over the tree. Between myself, Jim Clarke, and Mike Konkol we managed to miss the tree altogether, almost kill a couple of people on the other side of the tree, as well as throw our arms out of socket. Then it happened - someone snickered. You know things are going bad when you hear someone snicker. This was starting to suck. I muttered we only had to do 8 of these (it would end up much more) since we were planning on 2 loops.

At this point- I started thinking OARC might set a record after all - for the least contacts! It was time for McGiver mode. Then Jim Clarke hit it. Thanks to a river being right next to us - Jim had brought his trusty fishing reel. Better yet, he knew how to launch it into trees. No doubt he had had practice. An hour and a half later, we had our first loop in the air. Kent Gardner-WA7AHY supplied the shack that would ultimately be one of our shacks and Tim provided a canopy that would make due for our second station. It was now about noon and the radios and antennas were set up - all we needed was to network the computers. We had to do this in wireless mode since the CAT5 run was too long. It hadn't been field tested. No luck. Then Fullmer's laptop glitched and the cursor stuck. Even after multiple resets - no luck. This was his daughters new laptop and I could see someone was going to get an earful when they got home. Ultimately, I think Mike fixed it. However, at this point there was no time - so we set them up as independent stations. Then the club radio would not put out full power without going into shut down mode on power. This was field day at it's best. We were truly being tested. Ultimately, we discovered the club power supply was defective. Fortunately Sal Salazar-KD7JRX had donated his Astron so we used that on the club radio and went to full battery power on the 2nd station thanks to having a plentiful supply of them. Gee, the only thing we needed to glitch on us now was a radio or the

generator. We had backup after backup just in case.

From there on things went just like a field day should other than the 2nd loop had to be re-positioned. The only glitch being I ended up getting snagged right in the crotch area by the barb wire fence I tried to cross. A whole lotta laughing (and snickering) and definitely no one coming over to help me. I didn't blame them.

All in all, everyone who wanted to operate got a chance. I enjoyed at times just hearing distant signals being received while watching the mountains. No one could appreciate the beauty of that unless you are a ham radio operator bitten fully by the "bug". To my wife, being bitten by the "bug" means weirdo and nerd come together in full harmony. I carry that flag proudly.

When dinner time rolled around Greg Moore-KD7BPQ had brought in the grill of all grills to make sure everything went perfect there. There was no shortage of food whatsoever. I think I decided to call it a day around 3AM and went to my luxury accommodations - aka sleeping in the back of my 4-runner. I didn't feel so bad because I

knew my best friend Bill Ward-K7KBW was doing the same thing in his parked next to me. Being inside a steel chamber is good for Bill.....otherwise his snoring would wake up the whole camp. Being inside a steel chamber for me is a no good claustrophobic toss and turn situation. I was back up at 5AM and feeling like crap. Our man Gary was still operating. The guy never slept. He wasn't lying when he told me sleep was for little gurlies. We worked the radio's throughout the morning and everything held up. It was a great success and I was proud to see OARC pull off a "real" field day for the first time in many years. We all got to see a neat home made screwdriver antenna complete with a whisk used for a capacitance hat made by Chuck Williams-N7JMO. Thanks to Earle Sanders-NT7Y- for providing the land as well as a trailer with a "real" crapper. The latter being an item that should never be overlooked.

All in all - there was good operating, good food, and best of all good laughs. Thanks to everyone who showed up and supported us. Here's to doing it all over again next year.
73 Jim N7JS

Next Club Meeting

When: Saturday July 16, 2005

Time: 09:00 am

Activity: Outdoor Breakfast Meeting

Where: Barker Park
500 West Elberta Drive
Pleasant View Utah.

This is the new park west of the Pleasant View city offices at the corner of 500 W and Elberta Drive (within view of Weber High School).

Talk-in: -146.82 (pl=123)

Some Field Day Pics

A very special "Thanks" goes out to Tim Samuelson KE7DOA for having made our Field Day much more comfortable than it would have been otherwise.



Another very special "Thanks" to Grill-Zilla which was built by Gregg Moore (KD7BPQ), Casey Moore (KD7BNY) and Isaac Ubelhor (KD7LLV). Gregg and Casey Moore brought Grill-Zilla to Field Day. They set everything up and cooked Saturday night's hamburger dinner for the club. They also did all the cleanup. We had around 38 members show up for the evening meal. We all ate like Kings as a result of their efforts. Thanks again.

Thanks to Jim Clarke KD7SWL for thinking to bring his fishing pole. Not necessarily for fishing but because it saved the day helping secure "Sky Hooks" for hanging the horzional loop antennas.



Everyone helped hang the antennas
You do it. NO, you do it. NOT my job.

Here Maggi N7HCP, hold this wire while we tune up the field day transmitter.



From The OM's Shack

Gary Liptrot N7ZI



Hi folks,

I'm still pumped up from Field Day. I had so much fun I can hardly stand myself. I have to thank everyone who sacrificed their time and gear to make Field Day a success. The biggest thanks goes to the Sanders family. Earle (NT7Y) and Lorelee let us camp out on their family land in Eden. They also loaned us a trailer for a bathroom facility. Earle worked so hard helping me set everything up that he was too ill to attend FD. He is doing fine now and just needed a few days of rest. That family would do anything for this club and I thank them from the bottom of my heart.

At FD I watched and helped Tim (KE7DOA) as best I could as he took care of us in all aspects of camping expertise. He provided a large canopy to keep us dry, heavy folding tables to use and all the firewood we needed. FD would not have been the same without him. We owe him a lot. Also Kent Gardner (WA7AHY) loaned us the use of his tent trailer to set up one of the HF rigs in. It worked out real fine. Kent is always asking me what more he do for the club. The club was out in force and showing their enthusiasm for operating those HF radios. The people logging on the laptops found out that the operator had the easier job, eh? We had runs of 88 QSOs per 20 minutes and later on we had 108! It was fun to grab a frequency and run with it. That was a new experience for many. It is a great thing to see folks that have never held a microphone do some great contesting. We created a few HF monsters among us for sure... B)

I think that we all learned a lot from putting up our two wire antennas. We had one 80 meter loop and one, uh, 80 meter inverted V thingy. The V was quickly converted into a loop itself so we ended up with two 80 meter loops. They were side by side and the interference was minimal. Those who operated on the loops were so impressed with them that I got a barrage of email asking questions about them after FD. I pointed them to Dave Fischer's original article and some other URL's that I like concerning that antenna.

Saturday's dinner and Sunday's breakfast at Field Day were all cooked on the Moore's family trailable grill that I have dubbed "Grill-Zilla". It is interesting to note that the trailer was built by Gregg Moore (KD7BPQ), Casey Moore (KD7BNY) and Isaac Ubelhor (KD7LLV). It has a built in cooler, tons of storage, two 40 lb propane bottles to power the burners and I think that I counted eight burners underneath a spacious double grill.

Grill-Zilla was brought to Field Day by Gregg and Casey Moore. They set everything up and cooked Saturday night's hamburger dinner for the club. They also did all the cleanup. We had around 38 members show up for the evening meal. Sunday morning several of us helped Gregg's wife Denise (KD7SCN) and Casey cook a French Toast, sausage and egg breakfast. It was a great spread. It also got that 3am hotdog taste out of our mouths, ya know what I mean Jim (N7JS). I think that it will take until next FD for Jim to try another hotdog, eh?... B)

The Moore family has always supported OARC. Gregg is a past club president and many of the family members have been club officers. They have all provided countless hours of selfless service. We can't thank them enough.

The best part of FD was visiting with all my friends. Everyone who showed up for FD has become my friends over the past months and years. I would give the shirt off my back for any one of you, I mean it. I have not seen a finer group of people in my life than the ones hanging around this club. I'm sure that I have

forgotten to thank many of you folks behind the scenes of FD but you are not forgotten. Thank you all for helping make OARC Field Day great.

Now for an important reminder. July's meeting will be the usual 09:00 (9am for you civilians) on the 3rd Saturday at Barker Park in back of the Pleasant View city office building. Easy to find but look at our website to make sure you don't miss it. We are going to have an HF rig set up and we will be checking into the RACES net at 08:00 like the last time. We are

having another breakfast for the club. Nothing special by way of classes are being planned. We thought that since it's summer we would relax and tell war stories of Field Day and play with the HF rig. Maybe we could even set up a computer hooked to the DX cluster and try our luck on some 20 meter DX. If you are not on vacation stop by and enjoy each others company. It is what makes this club strong and fun to be a part of. See ya there... B)

73 de n7zi Gary

"Why buy something for ten bucks when you can make it for a hundred." JR

More Field Day Pics



Biography - Editor

Val Campbell K7HCP



I was first licensed in 1958 at age 14 as Novice class (Kn7HCP) thanks to my Elmer 8th grade science teacher. Then one year later I upgraded to General class (K7HCP). I was in good company then along with Mack Gilbert (K7HEN) and Mike Collett (K7DOU) as we started the first Ham Radio Club at Bonnaville High School soon after Bonnaville HS was opened. I was very radio-active for my first 10 years but then became mostly inactive after

moving several times and while raising my family and earning a living.

I recently retired from IBM Corporation after 33 years as a hardware field service engineer in the Salt Lake City Utah area and then as a hardware/software development engineer for IBM Point of Sale - Store Systems at Research Triangle Park - Raleigh North Carolina.

We moved back to the Ogden area, and as I had always planned to do, begin setting up my Ham Shack once again after all those years of inactivity. I now enjoy ham radio on the HF bands CW, SSB, RTTY and PSK31. I also enjoy talking with friends on the local VHF/UHF FM repeaters.

I enjoy being the webmaster and newsletter editor for the Ogden Amateur Radio Club (OARC).

73, Val Campbell K7HCP

*Next month stay tuned for another OARC Officer/Member Biography.
It could be you!!!*

CLUB NEWS

New OARC Members

Congratulations to the following new members of our club.

June 2005

- **Emilse Peraza** **YY4AEM/W7**
- **Charles F. Williams** **N7JMO**
- **William Ward** **K7KBW**

AR HOBBY NEWS

Amateur Radio Quotes

- Remember, If you can't hear 'em you can't work 'em.
- Some of the pleasures of being an Amateur Radio Operator is the off-air activities such as:
 - Club activities
 - QSL'ing
 - Elmer'ing
 - Electronic construction projects
 - Studying/upgrades
 - Emergency/public services
 - Hamfests, swapmeets & conventions

Amateur Radio Resolutions

1. If I do not have an Amateur Radia license I will get licensed this year.
2. If I do have a license I will upgrade it to the next highest license until I am an Extra class.
3. If I am an Extra class I will find somebody who isn't licensed and help them get licensed.
4. (Spend some time trying to track down folks from number 1 above)
5. I will repeat number 3 until I can meet all my friends and family on 2 meters.

Monitoring Times - January 2005

UPCOMING EVENTS

UTAH HAMFEST/CONVENTION

July 29-31, 2005

The Utah Hamfest and Rocky Mountain Division Convention will be held this year at Rubys Inn adjacent to Bryce Canyon National Park (one mile before the park).

Pre Registration for the event closed on 1 July. Registration after that date will be at the door.

There is a website that has information about the event. www.utahhamfest.org
The web information about prizes/speakers/seminars is updated as the information changes.

John Mabey W7CWK Utah Hamfest publicity chairman (w7cwk@arrl.net)

FEATURE ARTICLE

Scanning - the Top of Utah Trunk Tracking Style

(Weber/Davis County Public Service)

By Val Campbell K7HCP

Scanning the radio frequency spectrum can be very enjoyable and provide a great deal of entertainment potential in the process. One of the most exciting groups to scan in the VHF and UHF bands are the Public Service Agencies, second only to Amateur Radio, of course.

One of the first things that you discover when starting out on this particular venture is that most of the Public Service Agencies in the Northern half of Utah have converted to a new state-of-the-art UHF radio communications system known as a Trunked Communication System. Motorola Corp is one of a few companies that market such a system. In Utah, Motorola systems are the most popular choice among our various local government agencies.

In Utah, a collective use group called UCAN was created to manage the installation and day-to-day operation of running such a complex UHF communications system which operates in Narrow Band FM mode in the 860 Mhz segment of the UHF band.

Utah Communications Agency Network (UCAN)

The UCAN system is a Motorola Type II Smartzone trunking system that is made up of many different trunked systems all linked together to provide wide area coverage throughout the Northern half of Utah. Most Public Service Agencies within this usage area subscribe to this system collectively rather than provide and support their own regional dispatch centers, radio transmitters and towers. The benefits for both UCAN members and scanner hobbyist alike are huge.

The Scanning Process - Bank/Channel Operation

You can monitor a single bank at a time or scan multiple banks together. If more than one bank is enabled, the scanner will scan the frequencies within the first bank until it goes inactive for a brief period of time, then it will switch to the next active bank that is enabled and scan that bank of frequencies until that bank goes inactive. You can mix and match Trunked and non-Trunked banks in your scanning line-up.

Scanning a Trunked System

You should program in all the **control channel** sites that you can hear in your area. But to hear your local agencies, you will mainly want to monitor the **simulcast site** that is closest to you. If you can't receive any of the simulcast sites, you can monitor the **IR (repeater) sites**. IR sites will only have traffic on them if a radio is in that IR site zone at that time. If you have a Trunk Tracking scanner you only need to enter the control channel frequency for the desired region from the list I provide at the end of this article. The scanner will do the rest by decoding all **voice channels** in use for that system.

If you do NOT have a Trunk Tracking scanner you need to enter all of the voice channel frequencies for the desired region. Do NOT enter the control channel frequency or all you will hear is data packets.

If you have a Trunk Tracking scanner the **Talk Group ID's** can be assigned **Alpha Text ID's** to more readily identify the current user of the channel at any given time.

Benefits of using Trunk Tracking

You must designate each scanner memory bank according to the type of frequencies stored therein. For example, designate the bank to contain a set of **conventional** frequencies or a set of **Trunked** frequencies such as the Motorola Type II Trunked (MOT) system. When programming the scanner for a MOT Type II system you only need to enter the Control/Data channel frequency for each system that you desire to scan. You do NOT need to enter each individual Voice Channel frequency. The scanner will do the work for you as it scans by decoding the Control Data channel to determine what Voice Channel frequency to monitor.

Alternatively, if you do not have a Trunk Tracking scanner, you can enter each of the Voice Channels into the bank memory locations as conventional frequencies and still monitor all the activity taking place on that Trunked system. However, this method lacks the benefits of being able to use some of the enhanced functions of a Trunk Tracking system such as to follow a specific Talk Group of conversations from beginning to end without interruptions from other, possibly less interesting, talk group conversations.

Open vs Closed Mode

Another benefit of designating a bank of Motorola Trunked memories as a MOT system is that you can also choose to designate the bank as being either **Opened** or **Closed**. Open-mode means **all** Talk-Groups are monitored. Closed mode means **only** selected Talk-Groups will be monitored.

When designated as **Opened**, the scanning proceeds as described above, scanning all Talk Groups active in the system at that time and going from one Talk Group to another as each conversation is completed. However, when designated as **Closed**, the scanner will only scan the Talk Groups that are programmed in that bank of memories and exclude all other talk groups active at that time. This way you can program your scanner to only scan the desired Talk Groups and NOT to scan other

Talk Groups that might not be as interesting to you as the others.

Closed Talk-Group Monitoring

The Closed-Mode Talk-Groups that I personally selected for exclusive monitoring are as follows: (the interesting stuff) All Emergency, EMS, Fire, Police, Swat Team, Strike Force, Police car-to-car, Air Medical, Hospital ER. Things **NOT** monitored in closed mode monitoring include: Dispatch & service channels, dogcatcher, water meter readers, garbage trucks, road plows, etc.

Follow the action

A real cool feature of a Trunk Tracking Scanner is the **Lock** function. When the scanner is scanning either an **Opened** or **Closed** bank of memories the operator can command the scanner to **Lock** on a specific Talk Group that is active at that time and from then on to **ONLY** scan that one specific Talk Group.

For example, while scanning a Trunked public service band and you hear some traffic that sounds particularly interesting, such as a police car chase or a fire command control event, you may want to monitor it exclusively. You can quickly lock out all other activity and monitor only that one desired activity from beginning to end. This way the interesting activity won't be interrupted by the dog catcher or the water meter reader.

To **Lock** on to a specific Talk-Group on a Pro-95 scanner press the TRUNK key and hold for at least 1 second. The currently active talk-group will lock-on and traffic from all other talk-groups will be ignored. Talk-group Text-ID is displayed on the bottom line of the LCD display at all times. To return to scanning all talk-groups simply press Scan.

Trunk Tracking - UCAN outside of Weber County

My preferred channels to monitor are those used in Weber County and North Davis County. However the total UCAN system included services for most of Northern Utah from Utah county in the south to Box Elder county in the north and from Tooele county in the

west to Evanston WY in the east. If you travel outside of Weber County you will need to enable other UCAN channels as desired.

Communications Aids

While monitoring, frequently you will hear a **phonetic alphabet** being used during communication of alpha characters such as license plates and names to clarify letters and spellings. **Call signs** are also frequently used to indicate Agency, City or County, used by UCAN dispatchers or remote unit to identify themselves to the dispatcher.

For example: **1F33** = WC Sheriff deputy #33, **2F25** = Ogden City officer #25 or **2F-T9** = Ogden City Traffic unit #9. Utah Highway Patrol (UHP) troopers are indicated by a state wide 1-3 digit number (without any alpha prefix) such as **123** = UHP Trooper # 123. The lower the number the higher their rank.

Radio Shack PRO-95 Trunk Tracking Scanner

Scanning a Trunked radio communications system at it fullest requires a Trunk Tracking Scanner, such as the Radio Shack PRO-95. This is your author's scanner of choice and is

well respected in the scanning hobby community. That is because it provides enhanced functionality while providing ease of use and sells for a reasonable price. For years it sold for \$199 but recently Radio Shack has reduced the price to \$129. I own 2 of this model scanner and other older models as well.

Radio Shack has just announced the availability of a new model Triple Trunking Scanner, the PRO-97. It is now selling for \$199 and provides all the functions of the PRO-95 plus some. Check it out.

Support Material

I have the following tables, charts, control codes and other support items available as **attachments** for download to enhance your scanning pleasure. If you would like to obtain an electronic downloadable ZIP package containing everything you will need to get started (except the hardware) please contact me at k7hcp@arrl.com. Or you can visit the OARC web site. From the home page click on "Ham Links" and look for "UCAN" under Articles and Downloads.

Attachments:

1. Utah Comm Agency Network (UCAN) <<<- this document
2. UCAN Control Channels
3. Weber Co/Ogden Area Frequencies
4. Other Selected Area Frequencies
5. Talk Group ID Codes - Weber/N.Davis
6. Agency Call Signs/Numbers
7. 10 Codes & Number Codes
8. Phonetic Alphabet
9. Scanner Hardware - Trunk Tracking Model
10. Bank/Channel Programming
11. Pro-95 Programming Tips

ANNOUNCEMENTS

Next Club Meeting: July 16, 2005

- The Ogden Amateur Radio Club meetings are held on the 3rd Saturday of each month.
- **Time: 09:00 am**
- **Location:**

**Barker Park
500 West Elberta Drive
Pleasant View Utah.**

This is the new park west of the Pleasant View city offices at the corner of 500 W and Elberta Drive (within view of Weber High School).

- **Activity:**
Outdoor Breakfast Meeting
- **Talk-in: 146.82- (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: October 5, 2005

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

Time: 05:00 pm *Walkin's 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 "Talk-in"
448.600-	OARC	123.0	Mt Ogden
146.900-	OARC	123.0	Little Mtn (patch – soon)
448.575-	OARC	100.0	Little Mtn (auto patch)

OTHER AREA REPEATERS			
FREQ	CLUB	TONE	LOCATION
146.620-	UARC	none	Farnsworth Pk
449.100-	UARC	146.2	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

AREA CLUB MEETINGS & WEB SITES

CLUB	WEB SITE	DATE/TIME	LOCATION
Ogden ARC	ogdenarc.org	3 rd Saturday 9:00 am	July Meeting ... Outdoor Breakfast Meeting Barker Park Pleasant View Utah
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
WsuArc	arcweber.edu	3 rd Thursday 5:30 pm	WSU Bldg #4 Room ? Ogden Utah
Barc	barconline.org	2 nd Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
Ubet	27meg.co /~k7ub/	4th Thursday 6:30 pm	BE-Thiokol: 24 East 100 South Brigham City Utah
Dcarc	dcarc.net	2 nd Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
CSERG	dcarc.net /ares.htm/	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
Uarc	xmission.com /~uarc/	1 st Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
UvhfS	ussc.com /~uvhfs/	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)

LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mst	Utah Beehive net HF	7.272 Mhz HF LSB
Daily @ 07:30 PM mst	Utah Code net HF	3.708 Mhz HF CW
Daily @ 08:00 PM mst	Utah Farm net HF	3.937 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	147.060 = simplex
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Tuesday @ 6:30 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 net HF	28.313 Mhz HF USB
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
Saturday @ 8:00AM mst	RACES State HF	3.918 Mhz HF LSB 3 rd Saturday - odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

OARC OFFICERS

President: [Gary Liptrot N7ZI](#)
Vice Pres: [Mary Hazard W7UE](#)
Secretary: [Jim Southwick N7JS](#)
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