



# WATTS NEWS



**The Best of Amateur Radio**

## OARC e-Magazine

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

**AUGUST 2017**

Next Club Meeting/Activity

**STEAK FRY + Elections**



Jason Miles KE7IET  
President



Mike Taylor KE7NQH  
Vice President



Ceva Cottrell KE7IEV  
Secretary



Jerry Cottrell KG7IGW  
Treasurer



Mike Neal K7MLN  
Program Director



Dave Mamanakis KD7GR  
Activity Director



Val Campbell K7HCP  
Webmaster/NL Editor

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## PREVIOUS CLUB MEETING/ACTIVITY

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### OARC "T"-HUNT EVENT

3rd Saturday 15 July 2017

Start 8:00 AM

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## NEXT CLUB MEETING/ACTIVITY

### OARC STEAK FRY

### ELECTIONS/RENEWAL/AUCTION

3rd Saturday 19 August 2017

Free Steaks for all paid members ...

Sign up your spouse for only \$10, support your club and get a free steak for both.

**Date:** 3rd Saturday 19 August 2017

**Time:** 5:00 pm

**Location:** Marriott Park (1065 S 1200 W)

**Activity:** Steak Fry, Officers Elections, Membership Renewal and Auction

**Note:** Please bring a side dish to share (something real good).

Also, bring your own dinner-ware (emergency paper-ware provided).

**GRAND DOOR PRIZES:** TBA (value = \$300)

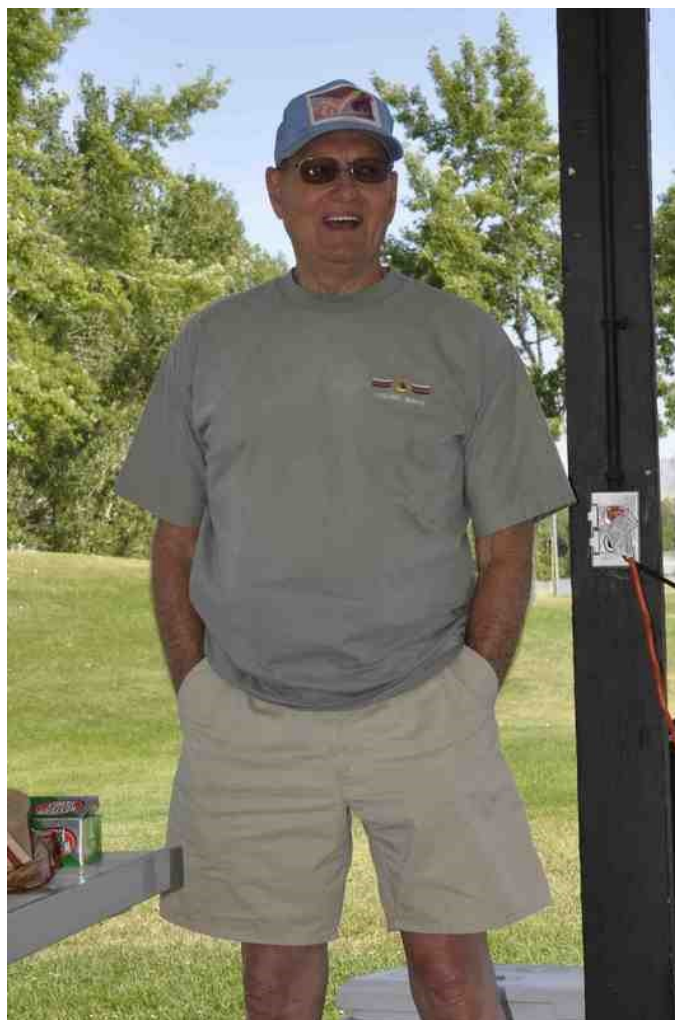
**NOTE:** [Paid-up members only, sign-up/renew membership at meeting]

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## PREVIOUS MEETINGS PICS

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Club Photographer ... Ceva Cottrell KE7IEV



**2017 T-Hunt winner...**

**Stan Sjol W0KP**













## From the Shack of KE7IET



### Jason Miles KE7IET

First, apologies to those who participated in the transmitter hunt in July. I hadn't thought through the clues before the event, and my first clue basically gave away the location. Sorry it wasn't more of a challenge. Maybe I should have let Dave Mamanakis KD7GR give out the clues. Thank you to Dave for his work on the activity.

In previous years, we've had trouble with the transmitter used for the hunt. On top of that, the transmitter IDs as WB7TSQ, Mike Stanford. Mike is a former officer of the club. I don't know if he minds us using his call sign, but I thought it would be more proper to use the club's own call sign instead. For these reasons, I took on the project of building a new hidden transmitter. I'd like to describe the process.

I'll start with the antenna and enclosure, which I reused from the old transmitter. The antenna is a standard 2m rubber duckie with a BNC connector. It attaches to a connector mounted on the lid of a steel ammo can enclosure. I'm sure the ammo can makes a nice counterpoise for the rubber duckie antenna. Inside the ammo can, a cable runs from the lid connector to the connector on the transmitter.

The transmitter we've been using up until this year is a Wilson T-1505MX handheld, which looks like it may have been designed for the land mobile market. It appears to be crystal controlled. It transmits 1 watt on low power and 5 watts on high power. When I opened the transmitter's case, I found something inside wrapped in cardboard. I'm guessing that is the module that produces the audio. I wish I would have taken the time to open the cardboard and investigate. Anyway, the Wilson still appears to work, so we'll probably keep it as a backup transmitter.

To replace the Wilson handheld, I decided to try a Baofeng UV-200. This model is very similar to the Baofeng UV-3R, which itself is a knock-off of the Yaesu VX-3R. I purchased this radio years ago for an APRS build project that I never finished. It has a few nice features. First, it uses a single 4-pole, 3.5mm connector for audio in, audio out, and PTT. This made it simpler to wire up than its UV-5R cousin. Second, it can be powered by 5 volts. In fact, its charger uses a special cable with a tiny barrel connector on the radio side and a USB plug on the charger side. This means it can run from any USB power source with sufficient current. Third, it has VOX functionality built in. I used that instead of building my own PTT circuit for this project. Anytime audio came into the radio, it transmitted.

As I worked on the project, I discovered one big drawback of the UV-200. My plan was to run it on low power in an effort to keep the final amplifier from overheating. (Remember that the transmitter is running at 100% duty cycle during the event.) I discovered that the low power setting only transmits a small fraction of a watt. The high power setting transmits about 1 watt, which is what we typically use for the hunt. I decided to test the high power setting by transmitting continuously into a dummy load for about an hour. I felt the case of the radio periodically during the test, and it never felt hot. The transmitter was still running after an hour, so I was confident that it would survive the stress.

For an audio source, I just used an old Android smartphone we had in the house. Since the pinout on the smartphone's headphone jack didn't match the pinout on the Baofeng, I needed an adapter. Fortunately, I had already built one for the abandoned APRS project. In addition to matching the pinouts of the two devices to each other, it also has rudimentary L-pad attenuators to match the audio levels.

Since the smartphone plays MP3 files really well, I used a custom-made MP3 file for the audio. I used two open-source tools. First, I used Audacity to create a file containing 5 minutes of a constant tone. Second, I used a tool called "ebook2cw" to convert the text "KE7IET TEST" into Morse code audio. (I meant to change it to "W7SU" for the actual event, but I forgot.) Next, I copied the Morse code audio onto the end of the constant tone in Audacity. Finally, I exported the finished product as an MP3 file and copied it to the smartphone. I played the file on the phone using the VLC Media Player app, and I set it to repeat. That is what you heard on the day of the event.

To power the radio and smartphone, I used a lithium-ion battery from Walmart that is meant for jump-starting cars. While the battery is designed to operate somewhere around 12 to 14 volts, it has a USB port on the side for charging 5 volt devices. I attached a USB hub to the battery's USB port, then I connected the radio and phone to the hub.

There are a couple of changes I'd like to make. First, I'd like to replace my adapter/attenuator board. I found a project on the internet a while back called "Baofeng UV5R TRRS Adapter". It is a tiny PCB that, when populated, is an adapter between the phone and radio. I ordered a few of them, and I've had them for years, but I just haven't made the time to get them built. If you're interested, the PCBs are available at Oshpark at [https://oshpark.com/shared\\_projects/qy523INb](https://oshpark.com/shared_projects/qy523INb). Please note that you'll need to source and solder surface-mount components yourself.

If you're not interested in soldering surface-mount components, you can also order the "BTech APRS-K2" cable from Amazon. It appears to serve the same purpose, but it is wired for the UV-5R instead of the UV-200.

The second change I'd like to make is getting the smartphone out of the system. Using an Android smartphone as a simple beacon is overkill. I would have used an MP3 player, but I didn't have my adapter wired for that. A while ago, I purchased a tiny module that I wanted to use for this project, but, again, I haven't made the time to get it working. The module has a microSD slot, and it has solder pads for power input and audio output. I believe it just plays any MP3 file on the microSD card you give it.



Another change I've considered is replacing the UV-200. The UV-200 is a dual-band radio, and it seems a shame to relegate it to beacon service for one morning per year. If Baofeng made a VHF version of the BF-888S, I might go for that. On the HamRadio360 Workbench podcast a while back, they discussed a small VHF transceiver module that also looks interesting. It is the DRA818V. (There is also a UHF version available, the DRA818U.) According to the specifications, the output power is "+27/30dBm". If my Google search is correct, that's 500 mW to 1 W, which would work for our purposes. I'd just need to check its endurance at 100% duty cycle.

The deadline for this project made it a bit stressful, but it was fun overall. It's not done yet, and I probably shouldn't wait until next July to get my changes made.

73 de Jason Miles KE7IET



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## OARC COMING EVENTS

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**OARC Steak Fry (free steaks for ALL paid members)**

**3rd Saturday 19 August 2017**

**sign up your spouse for only \$10  
support your club plus get a free steak for each**

**Joint Swap Meet**

**3rd Saturday 16 September 2017**

**VE Test Session**

**1st Wednesday 04 October 2017**

# CLUB NEWS

## Previous Field Day Comparisons

Year	Location	Category	Section	Power Class	Participants (*)	CW QSOs	Digital QSOs	Phone QSOs	Total QSOs	Total Score
<b>2017</b>	<b>Marriott</b>	<b>2A</b>	<b>UT</b>	<b>100 w</b>	<b>18</b>	<b>42</b>	<b>45</b>	<b>120</b>	<b>207</b>	<b>758</b>
2016	So Ogden	2A	UT	100 w	16	101	0	209	310	1472
2015	Marriott	2A	UT	100 w	43	71	0	264	335	1422
2014	Marriott	2A	UT	100 w	45	54	0	220	274	1006
2013	Marriott	2A	UT	100 w	29	131	0	300	431	1874
2012	Marriott	2A	UT	100 w	25	0	0	395	395	1870
2011	Uintah Park	2A	UT	100 w	40	75	5	178	258	1656
2010	WOKP Ranch	2A	UT	100 w	44	61	7	299	367	1120
2009	WOKP Ranch	2A	UT	100 w	10+	0	0	610	610	1470
2008	WOKP Ranch	2A	UT	100 w	32	0	0	443	443	1456
2007	Eden	2A	UT	100 w	12+	0	0	427	427	1144
2006	Eden	2A	UT	100 w	12+	123	0	478	601	1798
2005	Eden	2A	UT	100 w	lots	6	0	282	288	588

Note: (\*) Some years "Participants" = numbers of operators/loggers.

Other years "Participants" = number of attendees (excluding dinner time).



# CLUB NEWS

## HAM and EGGS Net

Tuesday Evenings at 7:00 PM Mountain Time

Mt Ogden 70 cm repeater 448.600 Mhz (- offset, 123.0 PL Tone)

New, Intermediate & Old Timers. Elmering, Education, General Ham Discussion and Rag Chew.

New hams encouraged to check in. Get connected, learn new things and ask questions.

Questions: Mike Neal [K7MLN@hotmail.com](mailto:K7MLN@hotmail.com)

## HOBBY NEWS

# Dave is that you?

QST July p.81

### Strays

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#### **Life Membership for Craig Fugate, KK4INZ**

Former FEMA administrator Craig Fugate, KK4INZ, is an ARRL member, but now he is also a life member of the Alexandria Radio Club in Alexandria, Virginia. For his contributions to Amateur Radio and national disaster preparedness, and for his dedication to the Alexandria Radio Club, Craig was awarded a plaque and lifetime membership at the club meeting in January.

— *Don Lewis, KI4D*



Left to right: Craig Fugate, KK4INZ; Eric Misavage, KI4BXU, president of Alexandria Radio Club, and Don Lewis, KI4D.

# HOBBY NEWS

Fun and excitement for all. All Ham operators, MARS operators, Military personnel and local community population are welcome to join in.



Drawings will be held every hour on the hour and final drawing for top prizes will be held at 1:00 pm. Must be present to win all but the grand prize. It will be mailed to winner!

We have lots of free stuff to give away

Pre-Registration :  
\$50.00 Cash

1st Prize:  
ICOM 7300 HF band All Mode Radio

2nd Prize:  
Kenwood V71A Dual Band Radio

3rd Prize:  
Yaesu FT-2900 Radio

4th Prize:  
MFJ 4225MV Power Supply

\$ 1.00 Drawing Prize:  
Yaesu FT-60R Handheld

Talk in  
146.800 MHZ 100hz tone  
146.720 MHZ 151.4 hz tone  
147.300 MHZ 100 hz tone OR  
146.520 Simplex

## Alamogordo Amateur Radio Club 33rd Annual HAMFEST Date: 2 Sept 2017

Entry to the event is FREE to all

Pre-Registration Tickets for drawings:  
\$ 6.00 if received prior to Aug 20, 2017  
\$ 7.00 at the Door  
Tables \$ 10.00

FORUMS: Start at 9:00 am and go to 12:00 pm

VE testing starts at 12:00 pm sharp  
Please look at our web site to see what to bring

Doors OPEN at 7am to the public

Please Send Registration Forms To:

Alamogordo Amateur Radio Club  
Ham Fest 2017  
PO Box 1191  
Alamogordo, NM 88311-1191  
Web Site: <http://www.qsl.net/k5lrw/>

Due to recent changes in regulations,  
**NO Animals** are allowed in the  
building unless they are registered  
**Service Animals.**

E-Mail		Phone:		E-Mail		Phone:		Y/N	
Name:		Call:		Name:		Call:		Y/N	
Address:		Address:		Address:		Address:		Y/N	
City:		City:		City:		City:		Y/N	
State/Zip		State/Zip		State/Zip		State/Zip		Y/N	
Prize Drawing Tickets: (How Many)		Prize Drawing Tickets: (How Many)		Prize Drawing Tickets: (How Many)		Prize Drawing Tickets: (How Many)		Y/N	
Diner (How Many)		Diner (How Many)		Diner (How Many)		Diner (How Many)		Y/N	
Tables (How Many)		Tables (How Many)		Tables (How Many)		Tables (How Many)		Y/N	
Are you Testing		Are you Testing		Are you Testing		Are you Testing		Y/N	
Tech		Tech		Tech		Tech		Y/N	
Gen		Gen		Gen		Gen		Y/N	
Ex		Ex		Ex		Ex		Y/N	

Website is; <http://www.qsl.net/k5lrw/>

My home email is [rick@nmex.com](mailto:rick@nmex.com)

Mailing address to my place is;

Richard Norton , 5980 Hwy 54S Unit 3501, Alamogordo, NM 88311-9511

AARC mail box is; AARC, Hamfest 2017, PO BOX 1191, Alamogordo, NM 88311-1191

My Cell is 575-491-4290,

Thank you for all your support: Rick KB7SQF



## HOBBY NEWS

Send a letter to your Senator.

Help out your fellow hams that live in a HOA.

Val, Stan, Larry to name a few.

Takes less than one minute.

Just click the link below.

<https://arrl.rallycongress.net/ctas/urge-us-senate-to-support-amateur-radio-parity-act>

From the ARRL:

I am writing to you today because we are at a crossroad in our efforts to obtain passage of The Amateur Radio Parity Act.

Our legislative efforts scored a major victory in our campaign when The Amateur Radio Parity Act, S. 1534 now moves to the Senate, where we need every Senator to approve the bill. This is the companion Bill to H.R. 555, which passed in the House of Representatives in January.

You are one of over 730,000 licensed Amateur Radio Operators living in the United States. Many of you already live in deed-restricted communities, and that number grows daily.

**NOW IS THE TIME FOR ALL HAMS TO GET INVOLVED IN THE PROCESS!**

- If you want to have effective outdoor antennas but are not currently allowed to do so by your Home Owner's Association, SEND THESE EMAILS TODAY!!
- If you already have outdoor antennas, but want to support your fellow hams, SEND THESE EMAILS TODAY!!
- If you want to preserve your ability to install effective outdoor antennas on property that you own, SEND THESE EMAILS TODAY!!

We need you to reach out to your Senators TODAY! Right away.

Help us in the effort. Please go to this linked website and follow the prompts:

<https://arrl.rallycongress.net/ctas/urge-us-senate-to-support-amateur-radio-parity-act>



## Revised FCC Form 605 Will Ask Applicants “the Felony Question”

07/19/2017

A revised FCC Form 605 — *Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services* — going into effect in September will ask all applicants to indicate if they have been convicted of or pled guilty to a felony. The Communications Act obliges the Commission to ask “the felony question,” as it did on the old Form 610 and still does on other applications. This action will correct its omission on Form 605, which has existed for years. Applicants’ responses and explanations will be used to determine eligibility to be a Commission licensee. The FCC told ARRL that it’s still deciding whether to issue a public notice on the change.

“The Commission is revising the basic qualifications section of the form to include a question regarding whether an application has been convicted of a felony in any state or federal court,” the Office of the FCC Secretary explained in a May filing with the Office of Management and Budget (OMB), which must okay the revision. “Applicants answering YES must provide an explanation regarding the conviction. This item enables the FCC to determine whether an applicant is eligible under sections 310(d) and 308(b) of the Communications Act of 1934, as amended, to hold or have ownership interest in a station license.”



## FCC Crackdown on Pirate Broadcasters Targets at Least One More Amateur Licensee

07/06/2017

A recent flurry of FCC Enforcement Bureau correspondence to alleged unlicensed broadcasters has targeted at least one more radio amateur — this time in the Greater New York City area. It's not the first time Winston A. Tulloch, KC2ALN, of Paterson, New Jersey, has heard from the FCC, which has had Tulloch in its sights for at least several months regarding a pirate FM station on 90.9 MHz. Last November, the Enforcement Bureau sent Tulloch a *Notice of Unlicensed Operation* after receiving information that he was operating a radio station. FCC agents used direction-finding techniques to zero in on a signal on 90.9 MHz coming from his residence.

“The field strength of the signal on frequency 90.9 MHz was measured at 105,451 microvolts per meter ( $\mu\text{V}/\text{m}$ ) at 101 meters, which exceeded the maximum permitted level of 250  $\mu\text{V}/\text{m}$  at 3 meters for non-licensed devices,” the FCC said at the time.

Tulloch was sent a second *Notice of Unlicensed Operation* on June 8, after Enforcement Bureau agents from the FCC's New York Office on May 2 responded to a complaint of an unlicensed FM station operating on 90.9 MHz in Paterson. This time the signal, measured at 176,526  $\mu\text{V}/\text{m}$ , was determined to be emanating from another residence about 1 mile from Tulloch's. The FCC said someone at the residence identified Tulloch as the station's operator.



## GUEST ARTICLE

### Ham researcher to investigate effects of solar eclipse

By Dan Romanchik, KB6NU

August 21 is a once-in-a-lifetime opportunity for many in the U.S. to see a total eclipse. It's also an opportunity for a team of Virginia Tech researchers to study the effects of the eclipse on changes in the upper atmosphere that have an impact on HF propagation and the global positioning system (GPS). Backed by research funding from NASA and the National Science Foundation, the team is headed by Dr. Greg Earle, W4GDE.

The Virginia Tech team plans to gather data from a variety of sources, including radar systems, transceivers, satellites, ham radio, and GPS receivers, in order to analyze the effects of the solar eclipse on the conductive region of the atmosphere.

"Whether military radar, or consumer GPS signals, the eclipse is going to have effects on the medium that we would like to understand better, so that we can either mitigate them or use them to our advantage," said Earle.

Here are a couple of links to news stories on the research team and the experiments:

- \* Virginia Tech team prepares for special project during total solar eclipse (<http://wset.com/news/local/virginia-tech-team-prepares-for-special-project-during-total-solar-eclipse>)

- \* Virginia Tech expert to study August solar eclipse effects on radar, ham radio, GPS (<http://wtkr.com/2017/07/17/virginia-tech-expert-to-study-august-solar-eclipse-effects-on-radar-ham-radio-gps/>)

Let's party!

In conjunction with the eclipse, the HamSCI and the ARRL are sponsoring the Solar Eclipse QSO Party (<http://www.hamsci.org/seqp>). (SEQP). According to an article in the August 2017 issue of QST, the goal of the SEQP is to "flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet." Once all the logs are in, researchers will analyze the data to see what effect the eclipse had on radio propagation.

A YouTube video of a presentation at Dayton on the SEQP can be found at <https://youtu.be/3EviY2Cuxpo?list=PLihPo8xWmo8-xDYAtpP9BWX9QnhUoT7k4>

The SEQP will run from 1400Z - 2200Z on Monday, August 21. This is well before the eclipse is due to begin on the West Coast. The reason it starts before the eclipse is to establish a baseline for radio propagation conditions.

SEQP organizers urge you to make as many contacts as you can on as many bands as you can operate. Like nearly every contest, contacts are not allowed on 60m, 30m, 17m, and 12m. CW, RTTY, and PSK31 are the preferred modes because automated receivers can record those contacts, but phone and other digital modes count, too.

An interesting twist to this contest is that, like Field Day, you can earn a number of bonus points, including:

- \* Operating outdoors (100 points)
- \* Operating in a public place (100 points)
- \* Operating a wide-band automated receiver at your station (100 points)

Hams have had a long history of supporting scientific research. They provided communications for some of the early polar explorations and listened for Sputnik as it flew overhead. The Solar Eclipse QSO Party continues this tradition, and it's going to be a lot of fun as well. Visit the HamSCI website (<http://www.hamsci.org/seqp>) for more information.

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Dan Romanchik, KB6NU, blogs about amateur radio at [www.KB6NU.Com](http://www.KB6NU.Com), and is the author of the "No Nonsense" amateur radio license study guides and the CW Geek's Guide to Having Fun With Morse Code." You can reach him by emailing [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

## FEATURE ARTICLE

### Another use for a tilt-up tower on a trailer

By Kent Gardner WA7AHY

My neighbors across the back fence shared a mysterious story with me recently. Knowing I was a ham radio operator they explained their experience in some detail...about an unusual object rising over their backyard bushes.

They recognized a triangle type tower, but were unfamiliar with what was attached to the top that kept elevating until it reached about 20 feet. A red light flashed regularly and looked like an alien eye looking at them. They only saw it once, but the image was still fresh in their minds as they told me of their experience.

Here the detective work began.

From their description i determined the location of the back yard from which it came. Knowing this, I determined that the husband was an electrical engineer and the wife was one of our Cub Scout leaders. In talking with them, I found out what the mysterious thing was.

It was a trailer mounted tilt-up tower with a security type camera mounted on top designed and built by Alex Miller, the electrical engineer. The tower consists of two 10 foot sections and a tilt base. The trailer was designed to look over construction sites in order to provide remote viewing capability, record construction progress and monitor any suspicious activity.

When he deploys the trailer, he connects two tower sections and base together in a horizontal position. Then, using a 12 volt winch, the tower is then raised to the proper height. In the picture it looks like he has two more tower sections that are not used.

Alex had built similar cameras in the past, but always had access to power. The construction site he was working at is located in a remote part of Wyoming and had no power available. As such, it was necessary that he design his system to use solar power. He used a single 260 watt solar panel attached to three 105Ah batteries. The system is designed to operate for nearly five days without sun once fully charged.

The red flashing light that could be seen atop the tower was a power status light emitting diode (LED), indicating that power from the solar panel array was present and that the camera was powered on. The camera used is a high definition internet protocol (IP) camera that is programmed to snap an image every few minutes and upload it to an online internet server. He uses a cellular mobile network, the same network that a mobile phone uses. The image can then be accessed and viewed by entering a web uniform resource locator (URL) from any web connected device.

Alex found the used radio tower for sale in Southern Utah. It is nearly 50 years old and he is unsure of how it was previously used. He did note, however, that this is not the first time he has used an old ham radio tower for a security camera perch. Four years ago, Miller placed a camera atop a 20 foot ham radio tower that overlooks Hyrum Reservoir in Hyrum, Utah. The image this camera captures is available for all to see at [www.HyrumDamCam.com](http://www.HyrumDamCam.com).





The blue water barrel is used for holding water as a ballast...a great idea.

Isn't it funny that a setup used by ham radio operators "a long time ago" is resurrected to be a modern-day mechanism for the betterment of our society?

Designed and built by Alex Miller of. South Ogden, Utah  
Photograph by Alex Miller.

TNX

Kent GARDNER, WA7AHY



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## Club Swapmeet

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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**.

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## FEATURED ITEMS

### SWAP ITEM # 182

**FOR SALE: YAESU FT 990 160 meter to 10 meter, 100 watt, all mode transceiver**

**Built in automatic antenna tuner ( up to 3:1 ) and built in lambic keyer.**

**120 VAC or 12 VDC operation.**

**Includes Desk Microphone and AC power cord. Overall good shape.**

**This would make a great first HF rig.**

**Operators manual available here: [http://wa0am.com/tranceivers/ft-990/FT-990\\_Manual.pdf](http://wa0am.com/tranceivers/ft-990/FT-990_Manual.pdf)**

**E Ham review here: <http://www.eham.net/reviews/detail/402>**

**Listed on KSL.com for \$600**

**Will discount to OARC members.**

**PRICE: \$600 OBO from an OARC member.**

**CONTACT: Gil NG7IL, 801-430-8208 (after 4pm weekdays), [ng7il@arrl.net](mailto:ng7il@arrl.net)**

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### **NOTICE**

**FREE on-line, local swap - help spread the word**

**<http://www.pocatelloarc.org/swap/>**



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## Club Swapmeet

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### FEATURED ITEMS

#### SWAP ITEM # 177

**FOR SALE:** 60ft crank up tower. Aluma model T-60HN.

Includes 120V winch, tilt base plate, YAESU G-800SDX and G-500A rotators, guy wires and house bracket.

**PRICE: \$4000**

**CONTACT: John N7WZ, 208 520 3537 (leave message)**

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#### SWAP ITEM # 176

**FOR SALE:** 40ft mobile air pushup tower.

Includes spare tire for trailer, leveling feet for trailer and guy straps with ground stakes.

Trailer requires 2 in ball.

**PRICE: \$3000**

**CONTACT: John N7WZ, 208 520 3537 (leave message)**

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## Club Swapmeet

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### FEATURED ITEMS

#### SWAP ITEM # 175

#### FOR SALE:

Rohn 25G style mast tower (1 foot on the side)

Three 9 foot sections with a top mount section.

The bottom section is buried a foot into a concrete block in the ground.

There is what appears to be an old VHF low band business antenna on the mast.

See picture looking up the mast and me pointing at the first joint.

The owner needs it moved as soon as possible, he will pull the concrete base out of the ground.

Located near the 5000 block on Harrison BLVD in Ogden. Make offer. Email is best for more information.

**PRICE: MAKE OFFER**

**CONTACT: Ray White K7RFW, [CRWHITE@AIRMAIL.NET](mailto:CRWHITE@AIRMAIL.NET)**

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## Club Swapmeet

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**“SALE” or “WANTED” ITEMS NEEDED**

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Visit <http://www.ogdenarc.org/> then click on **Obay-Swap**.

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### FEATURED ITEMS

**SWAP ITEM # 171**

**FOR SALE:**

**Hy-Gain AV-14AVQ Vertical 4 band HF Antenna (10m/15m/20m/40m)**

**Antenna was used ground-mounted with 4 radials for two years.**

**Value new = \$189**

**Good stealth antenna as it is only 18 ft. in length.**

**It is complete in the original factory box and includes factory manual.**

**PRICE: \$ 80 (firm), cash only**

**CONTACT: Larry Griffin AD7GL, 801-388-1894, [ad7glqst@gmail.com](mailto:ad7glqst@gmail.com)**

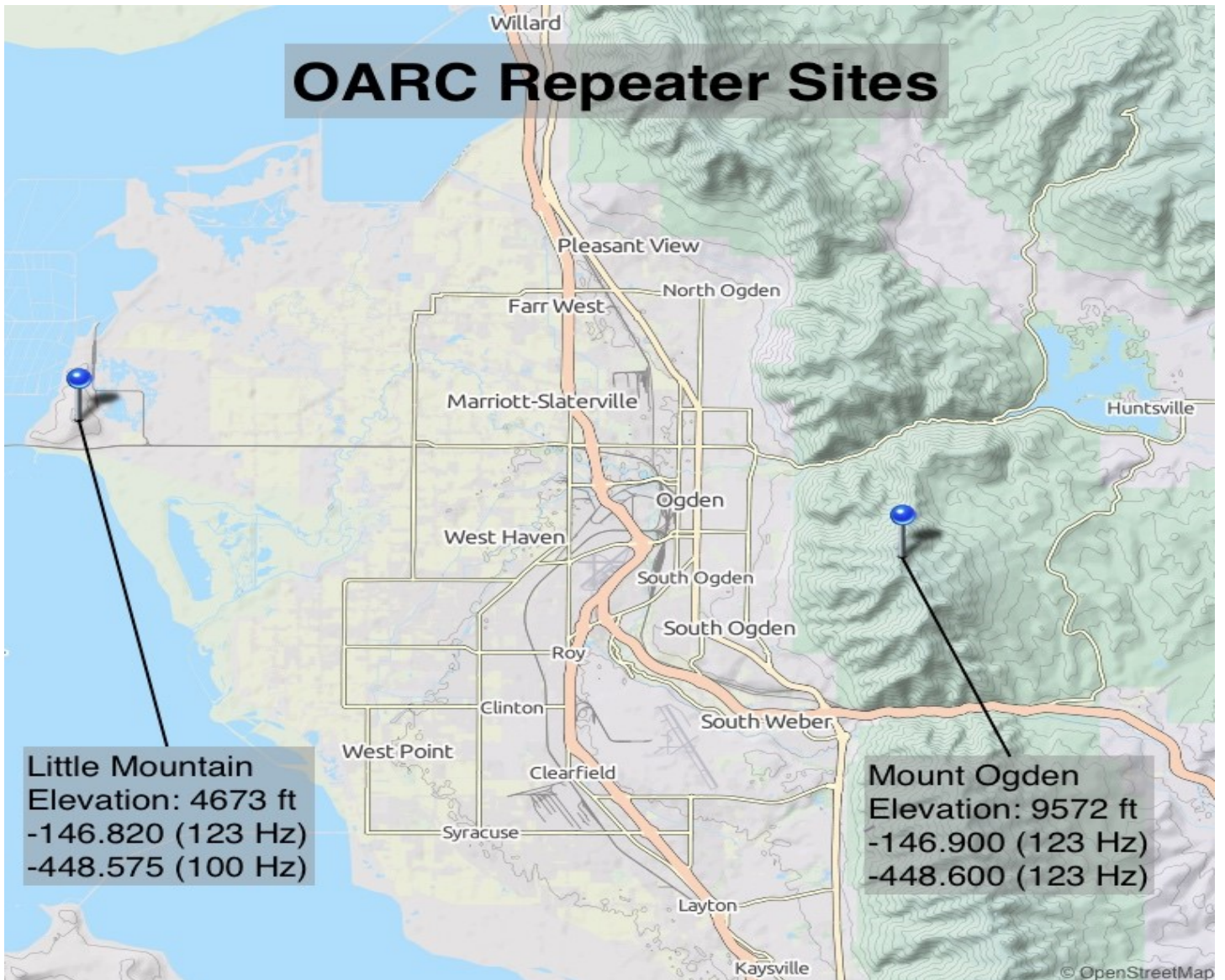
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#### **NOTICE**

**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.**

## 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.



## OARC You Tube Channel



### **Did you know that OARC has a You Tube Channel ?**

**A lot of our meeting presentations are recorded and posted to our OARC You Tube channel for you to view at a later date.**

**It's easy to view missed**



**meetings...**

**Just click on the icon on the right hand panel of the club website home page to view recorded meetings preserved for your viewing pleasure.**

## 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.

## 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 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 @ 7:00 PM</b>	<b>OARC—Ham &amp; Eggs Net</b>	<b>448.600 -123.0</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: Jason Miles KE7IET

Vice Pres: Mike Taylor KE7NQH

Secretary: Ceva Cottrell KE7IEV

Treasurer: Jerry Cottrell KG7IGW

Program Director:  
Mike Neal K7MLN

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: Ceva Cottrell KE7IEV

QSL Manager: Ceva Cottrell KE7IEV

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  
Gil Leonard NG7IL

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**73 es cul de W7SU**

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