

WATTS NEWS



The Best of Amateur Radio

OARC e-Magazine

www.OgdenArc.org

SEPTEMBER 2021

Next Club Meeting/Activity/Events

Joint (tri-county) Swap Meet



Dave Mamanakis KD7GR
President



Justin Hall KB7LAK
Vice President



Colleen Pike KJ7EAY
Secretary



J. Siddle KG7CJN
Treasurer



Mike Wilde KJ7HEX
Program Director



Cody Hearrell KJ7OHU
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

OARC Watts News Masthead

www.OgdenArc.org

OARC OFFICERS

President: Dave Mamanakis KD7GR

Vice President: Justin Hall KB7LAK

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Program Director: Mike Wilde KJ7HEX

Activity Director: Cody Hearell KJ7OHU

"WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

"OARC" web site

Webmaster: Val Campbell K7HCP

OTHER CLUB APPOINTMENTS

VE Liaisons: Richard Morrison W7RIK
Gil Leonard NG7IL

Jason Miles KE7IET (IT)

Repeater Engineers: Mike Fullmer KZ7O
Scott Willis KD7EKO

Membership Clerk: Val Campbell K7HCP

Photographer: Kathryn Sutton K8RYN

Asst Photographer: Rick Hansen N7EGA

Social Media Manager: **Wanted**

QSL Manager: Pete Heisig AI7GV

Historian: Kent Gardner WA7AHY

Equipment Manager: **Wanted**

Antenna Manager: Gene Morgan WB7RLX

Club Call Sign Trustee: Larry Griffin AD7GL

Club Elmer: Stan Sjol W0KP

Centennial Committee Chair:

Gil Leonard NG7IL

Advisors: Mike Fullmer KZ7O
Kent Gardner WA7AHY
Kim Owen KO7U
Larry Griffin AD7GL
Gil Leonard NG7IL
Jason Miles K7IET

PREVIOUS CLUB MEETING/ACTIVITY

OARC

August Activity/Event

OARC

Steak Fry

Elections/Auction

NEXT CLUB MEETING/ACTIVITY

OARC

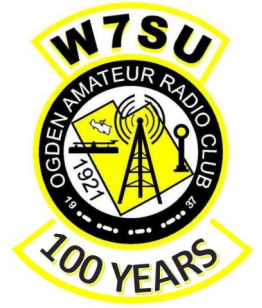
September Activity/Event

Joint (tri-county) Swap Meet

Keep clicking...



OARC COMING EVENTS



ARRL Field Day - June
OARC "T"-Hunt - July
OARC Steak Fry - August

**Joint (tri-county) Swap Meet
- September**

**Christmas Family Dinner Party
- December**

Next Tech License Classes

Each Wednesday in September

Next VE Test Session

1st Wednesday 06 October 2021 @ 6:00 PM

A MESSAGE FROM OUR PRESIDENT

Dave's Rag Chew



Dave Mamanakis KD7GR

Greetings, My Friends!

Another month has FLOWN by, and we have lots to talk about!

First Off: Steak Fry!

I MUST thank you ALL for making this year's Steak Fry memorable, and for more than just one reason!

Gil, thank you for the cake! That was amazing!

Oh, and the Steaks... I can't forget the Steaks! FABULOUS! I vote we do those again next year!

Thanks to everyone who helped by bringing and cooking food, I really enjoyed it! It was great to see so many of us in the same place at the same time!

And thanks to Mother Nature for making sure we all will never forget the "Great Thunderstorm Steak Fry" of 2021!

(And let's hope she doesn't try to outdo it with the "Tornado Steak Fry" or something even worse in 2022!)

We did have to postpone a couple Steak Fry Agenda Items:

1) The Door Prize Drawing.

We will get to it. You should look for a welcome gift in your Mail Box! But... only if your FCC mailing address is correct.

(FCC Rules state you need a current mailing address for your Ham Radio License, is YOURS up to date?)

2) The Club Auction.

I'm not sure how or when, but we will get to it. Maybe with our next Face-to-Face meeting in October?

I'm open to suggestions!

Along with the Steak Fry, we held our elections! I'd like to welcome the newly elected members of the OARC Board! Colleen Pike (KJ7EAY) and Cody Hearrell (KJ7OHU)! Our New Secretary and Activity Director!

Thanks to ALL board members and other Club Members who work to support this club!

Speaking of that, you may have noticed Gil (NG7IL) has started up a Simplex Challenge for September! If you haven't read the rules, check it out over on the Club's Web Site!

I already have a Contact: made on both Analog and Digital!

Possibly in the near future look for Gene to announce the 10 Meter "10 on 10" Award program!

10 Contacts on 10 Meters = Certificate

(You will have to log them electronically... the QRZ (Free) allows you to log contacts, it is a good choice!)

If you'd like to get a taste of contesting, earn a nice Certificate, and learn something about your radio, these are good places to start!

And these certificates will be nice, I promise! Something you should feel good about hanging around your Ham Schack!

This month, we are headed to Bountiful for the Annual Swap Meet...

Bountiful City Park, on 400 N. Can't miss it!

Historically, there have been several good buys to be had! Everything from antennas to radios!

Well worth checking out. It starts early! 8am!

And there are some news items you might want to be aware of:

Recently there was an incident that has made the rounds on Social Media and other sources:

A woman has forced an Amateur Radio Operator to shut down his Radio Operations.

Her claim? His Radio was interfering with her Insulin Pump.

This sounds terrible, and it is... but, here is the thing...

There are a lot of possibilities that could be causing the interference...

As long as your Station is operating within Legal Guidelines, guidelines which the FCC has recently updated and the ARRL has asked us to check to verify, then you are most likely NOT the source of the RFI.

If your neighbor DOES contact you with problems or issues that MIGHT be related to your transmitting on your Ham Radio, you can do several things:

- 1) You can work with your neighbor to see if there is something you can do (ferrite beads, filters, etc)
- 2) You can get help from the local Ham Radio Group. Many members have testing equipment to verify RF levels on location and can help you make sure your Station is In Compliance with all Legal Requirements. It will also answer the question if YOUR station is the one at fault.
- 3) Contact the manufacturer of the device and see if they have suggestions for testing the problem. It could, simply, be a bad design, or maybe they didn't fully test against RFI? (I've been in QA/Test for 30 years. Hardware/Software... doesn't matter. Not One Single Device In Existence is 100%. There are always bugs. You HOPE they are "edge cases" (that 1 in 10,000) but it is possible it could be anything.)
- 4) As long as you are in compliance, you can tell your neighbor to pound sand. I DON'T RECOMMEND THIS, as it causes the Ham Radio Community to look like the "Bad Guy"... AND...you are a federally licensed amateur radio operator. It isn't local police, or a state agency that can "shut you down". They can get the Federal Authorities involved, like the FCC, and the FCC can investigate... but if you are in compliance, you have little to worry about. The FCC are, after all, the ones who set all rules for ALL of the involved devices. What about the HOA? They can make rules that do or do not allow Ham Radio Antennas... but there are ways to work around that, and it doesn't seem to be the issue here, in this particular case.

The main point, here, is:

Try to resolve the issue with your neighbor.

In this news article it states an investigator said, "he could have caused the interference"... but that isn't an investigation. An investigation would be taking RFI measurements on ALL frequencies, from ALL transmitters, and ALL antennas, at the affected site.

This would identify if the Ham Operator is in compliance, and help identify if it is RFI or something else interfering with the affected Insulin Pump. These measurements could be given to the manufacturer, they could review them, see if their device passed QC with these levels of RFI, or they could try to recreate the interference in their lab and correct for it in the future.

Because, it “could have been” interference from her neighbor’s Tesla, her WIFI router, her satellite service, or even her Cell Phone.

Be a good Neighbor.
Don’t cause interference.

This is a good reminder to make sure your Station is in Compliance with all FCC rules.

The other news:

I have been asking for people to get involved in Amateur Radio for some time! To join ARES or otherwise support local events. You can find out about these events by contacting ARES (Steve Snow (KE7WYU)) or someone like Mickey Applebaum (KE7NZA) They will have all kinds of information for you and they will welcome your help and support!

Utah SAG - <https://utahsag.org/>

Weber County Sheriff’s ARES Communications Team – (it looks like they need a web developer, and a facebook contributor).

I volunteer for a few things every year, and one of them is the Tahoe 200. They usually do this 200-mile Endurance Run in the first weeks of September.

This year, it has been cancelled. The California Fires at Caldor have forced the USFS to close the forests in the area. You never know what to expect, which is why I feel it is important to get involved in operating radio with these groups. You learn mobile operation, net control, proper procedure, etc... it is very useful! You just never know when you might be affected by something like this:

Fires in California

Floods in Mississippi

Hurricanes in the Gulf Coast

All of these are happening RIGHT NOW.

And as a Ham Radio Operator, you should know how to communicate to help yourself, and maybe help others!

Ham Radio is, to me, one of the most important skills you can have.!

Thank you all for being such great members of our Club!

--Dave (KD7GR)

CLUB ANNOUNCEMENTS

CLUB NEWS

HAM and EGGS Net

Tuesday Evenings at 6:30 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: Larry Griffin AD7GL, ad7gl@arrl.net

Stan Sjol W0KP, stansjol@xmission.com



Larry Griffin AD7GL

Stan Sjol W0KP



CLUB NEWS

10 Meter Net

Thursday Evenings at 0200 UTC (7:00 PM MT)

10 Meters HF - **28.385 MHz SSB (USB)**

Purpose is to promote activity on the 10 meter band (especially during low sunspot activity).

To give technician class operators an opportunity to operate phone, and to provide a venue for conversation and experimentation with antenna and ground wave propagation.

Coming Soon: Work toward getting your "10 on 10 Award"

Questions and Net Control: Gene WB7RLX, ee_morgan@outlook.com



Gene Morgan WB7RLX

CLUB NEWS

Ham & Eggs Breakfast

Each Wednesday, at a very early 8:00 am, some of the club members meet for an informal breakfast get-to-gather. Everyone is welcome.

Now at a new location:

The Rusted Spoon-Ogden (previously The Stagecoach)

1310 Wall Ave, Ogden, UT

NOTE: See you there ... if you can get up that early.

A record number attended recently ... 16 total.

73, Dave KJ7DAD



Dave DeHeer KJ7DAD

CLUB NEWS



Next Tech License Classes

Each Wednesday in September

OARC Tech Class Licensing Study (via Zoom)

September 2021 - each Wednesday - 7 to 9 PM **NEW!**

No pre-enrollment required.

However if you desire or have any questions,
send an email to w7su@arrl.net with subject = "class".



VP - Justin Hall KB7LAK

CLUB NEWS



NEXT VE TEST SESSION

1st Wednesday 06 October 2021 @ 6:00 PM

Utah Military Academy - 5120 S 1050 W Riverdale UT 84405

Important Notice: Check the club website homepage VE-Test/Classes tab for **requirements** prior to attending a VE Test Session.



VE Liaison - Rick Morrison W7RIK w7rik@arrl.net



VE Co-Liaison - Gil Leonard NG7IL gil.ng7il@gmail.com



VE IT Assistant - Jason Miles KE7IET

CLUB NEWS



September Simplex Challenge - Get Radio Active

Get “**Radio-Active**” and participate in the
“**September Simplex Challenge**”.

The “September Simplex Challenge” will run for the month of September.

The “September Simplex Challenge” is designed to help you become:

- More familiar with your equipment.
- Practice for times repeaters may not be in range.
- Know what to expect from your equipment.
- Have a benchmark to evaluate new equipment and changes.
- Have fun and make new friends.

Program your radio(s) for the following 6 Simplex frequencies. No offsets or Tones - DCS codes.

For 2 meters:

- 146.520 MHz, national calling frequency.
- 146.540 MHz.
- 146.560 MHz.

For 70 cm:

- 446.000 MHz, national calling frequency.
- 446.500 MHz.
- 447.800 MHz.

Keep a few notes for each radio antenna combination.

- Your power.
- Your location. Mobile is OK as well as base.
- Your QSO partner, callsign and name.
- Your QSO partners, power setting on radio and antenna used.
- Signal Report Received, how you are being received.

How to participate:

Start by choosing a Simplex calling frequency on either the 2m or 70cm band. Monitor the calling frequency and answer any calls coming through or if the frequency is clear, put out a call. It's a little like fishing; call out, make a contact and log a QSO.

Putting out a call:

Ask if anyone is available on frequency and ID with your callsign. Once contact is established, move to a clear frequency #2 or #3 in the band you called on to allow others to use the calling frequency. Have fun and be courteous by allowing time between transmissions for other stations to join in.

A sample exchange might go like this:

W7SU this is NG7IL, you are loud and clear in Syracuse. Name here is Gil. I'm using a Yaesu FT7800 at 5 watts and a Diamond X200 antenna.

NG7IL this is W7SU, you are readable with a little steam on your signal into North Ogden. Name here is OARC. I'm using a Kenwood TM710 at 25 watts mobile with a Comet SAR 4X2 mag mount antenna.

Share your experiences on the Ham and Eggs net on Tuesday evenings. Brag about the distance covered between stations!

You will be amazed at how far your signal can go and get a good idea of how well your equipment performs. Knowing how your equipment operates will help you predict and establish communications when you are in unfamiliar situations or need to offer/seek help.

You will learn how to communicate if/when repeaters are inoperable or occupied.

You will hone important radio skills and become a better radio operator.

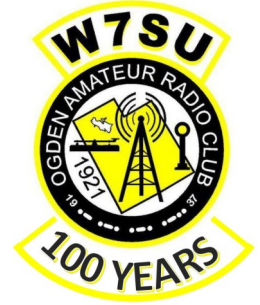
You will know your radio better and what features to look for when it's time for new equipment.

You will make new friends and enjoy yourself.

Get Radio Active!

Participate in the "September Simplex Challenge"

PREVIOUS CLUB MEETING/ACTIVITY



OARC Steak Fry, Elections, Auction

It was OARC officers election time again.

Each September OARC elects 6 officers to run our club for the following fiscal year which runs August to August.

Congratulations to the following Officers elected for fiscal year 2021-2022:

President: KD7GR Dave Mamanakis - *Incumbent*

Vice President: KB7LAK Justin Hall - *Incumbent*

Secretary: KJ7EAY Colleen Pike

Treasurer: KG7CJN James Siddle - *Incumbent*

Program Director: KJ7HEX Mike Wilde - *Incumbent*

Activity Director: KJ7OHU Cody Hearell

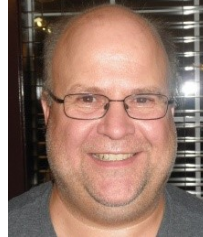
Be sure to read the "Officers BRIEF or DETAIL Duties and Responsibilities" document posted on the club website homepage and is also posted below on a following page. If you are curious the Detail version of this document is also posted elsewhere on the home page.

Thank You.

Officers elected for 2021-2022



President: KD7GR Dave Mamanakis



Vice President: KB7LAK Justin Hall



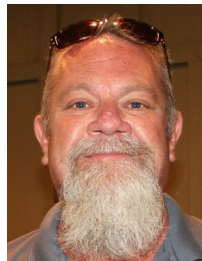
Secretary: KJ7EAY Colleen Pike



Treasurer: KG7CJN James Siddle

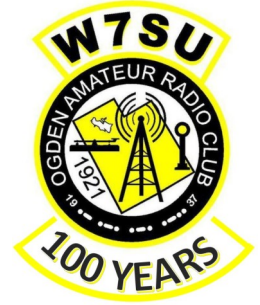


Program Director: KJ7HEX Mike Wilde



Activity Director: KJ7OHU Cody Hearrell





BRIEF - OFFICERS DUTIES and RESPONSIBILITIES

Ogden Amateur Radio Club (OARC)

501(C7) Non-Profit, Non-Charity Corporation

The **PRESIDENT** presides over all Executive Board meetings, Club Meetings and Club Activities, unless delegated to another elected Officer, and provides over-all guidance and leadership for the Club. The President will reserve meeting venue location space for all in-person meetings. The President is also expected to contribute an article to the Club's newsletter each month in a timely manner.

The President is responsible for the Club call sign W7SU but should assign a Club Call Sign Trustee. The President may also assign a Club volunteer to manager ARRL club affiliation management and Golden Spike preparations.

The **VICE PRESIDENT** will assist the President as needed in the Club leadership and presides in the absence of the President. The Vice President is responsible for the Club's Education and Training programs and will represent the Executive Board in arranging class locations, designating instructors and coordinating training programs including coordination with VE Test Sessions.

The **SECRETARY** will take minutes at each Executive Board meeting and distribute them to the Executive Board members and Webmaster in a timely manner. The Secretary will also head the Elections Nominating Committee for the Club each year.

The **TREASURER** will maintain the Club financial records database. A quarterly financial status report will be published at the end of each fiscal quarter and presented at the Executive Board meetings as determined by the Club President and distributed to all Executive Board members and Webmaster. The Treasurer will also maintain a Club bank checking account, debit cards and a post office box. The treasurer will facilitate repeater auto-patch phone line charges and reimbursements from WCEM.

The Treasurer will file a corporation financial status with the IRS each spring and file a 501(C7) non-profit corporation renewal with the State of Utah each fall. These tasks may be delegated to another Club member volunteer.

The treasurer will also coordinate Club member Badge orders. This task may be delegated to another Club member volunteer.

The Treasurer is responsible for maintaining the Club membership database records including member join/renewals. This task should be delegated to the Club Membership Clerk volunteer.

CONTINUED ...

The **PROGRAM DIRECTOR** will be responsible for the regular meetings and programs held in-house on 3rd Saturday mornings in Oct, Nov, Jan, Feb, Mar, Apr, and optionally May. Plan, organize and schedule topics, presenters or activities for all internal club meetings. Notify the Webmaster and Newsletter editor each month as to the proposed agenda items.

The **ACTIVITIES DIRECTOR** will be responsible for external social and recreational activities and events, which include Golden Spike, Field Day, "T"-Hunt, Steak Fry and Christmas Family Dinner. Plan and organize venue reservations, purchases and delivery of food, drink and necessary appliances (radio stations, antennas, BBQ grills, etc.) for all external club activities. Solicit and recruit as much help as deemed necessary to be successful.

Review OARC Officers history from 2004 to current.

Club officers since 2004

CLUB NEWS

OARC Steak Fry

Closed bid silent Auction

OARC Silent Auction

Yaesu FT-890 (HF Transceiver)

Congratulations. The close bid auction winner was: **Evan Day W0GOP**



PREVIOUS MEETING PICTURES

Photos by ... **club photographers**



Kathryn Sutton— K8RYN



Rick Hansen—N7EGA

"Previous Meeting/Activity/Event" ...

Photos and links located on the club web site home page.

OARC needs a Social Media Manager

Volunteer today!

Check out the OARC Facebook page

"Ogden Amateur Radio Club"

NEXT CLUB MEETING/ACTIVITY

CLUB NEWS

Joint (tri-county) Swap Meet

[DCARC](#) / [OARC](#) / [UARC](#)

Date: 3rd Saturday 18 September 2021

Time: **8:00 am - 9:00 am (setup—no fees)**

Time: **9:00 am - 11:30 am**

Location: Bountiful City Park (100 West 400 North Bountiful)

>>> [MAP](#) <<<



CLUB & HOBBY NEWS

CLUB NEWS

Ham Shack Photos

Last month the unidentified Ham Shack Photo was ...

N7JS

Jim Southwick

Wow Jim!



CLUB NEWS

Ham Shack Photos

The next in the series of unidentified ham shacks is shown below.

Do you know whose ham shack this is?



CLUB NEWS

(repeat)

Ham Shack Photos

STILL WANTED—STILL NEEDED

We have been doing this for 26 months now.

We are soon running out of new photos.

Send me your Ham Shack Photos soon!

Submit to: k7hcp@arrl.net or w7su@arrl.net or 801.389.0690

CLUB NEWS



OARC Annual Membership Renewal Drive

September starts the beginning of OARC's fiscal new year which runs from August thru to the next August. Each year during the month of July and August we run the OARC Annual Membership Renewal Drive. Maybe you have noticed. (.... ..)

This is so that everyone gets a chance to renew their membership in time to be eligible for OARC very generous Door Prizes, starting with the August Steak Fry event and later the December Christmas Family Dinner event.

You must be a paid-up member and be present at these events to be eligible to win a door prize at OARC events.

Membership should be renewed on-line using the OARC website home page "Join/Renew" tab. Fill out the form and submit. Specify if you intend to use PayPal to fund your membership or not. If not, use the online registration form and then send your payment to the OARC PO Box listed on the top of the website home page. You can order a new 100 year club badge at the same time if you wish.

Fiscal year 2020-2021 membership just ended with 205 members, 149 of which have already renewed thru 2022 or beyond. THANK YOU!

25 of the 149 are Associate Members (un-licensed). Thank you for supporting your club and signing up your spouse, and enjoy the free steak at Steak Fry.

56 of last years members have yet to renew and are considered EXPIRED.

Note that 60% of us are ARRL members which guarantees our continued ARRL affiliated club status.

Thank you, each and every member.

73, Val Campbell K7HCP - OARC Membership Clerk

CLUB NEWS

(repeat)

OARC HAM RADIO

EQUIPMENT LOAN PROGRAM

Check OARC website home page for equipment loan inventory chart.

There may some equipment there waiting for you to try out.

And it's FREE!

73, OARC – W7SU

OARC HAM RADIO EQUIPMENT LOAN PROGRAM									
ITEM #	STATUS	ITEM ID	DESCRIPTION	MFG LINK	DONER (if self managed)	BORROWER	CHECK OUT DATE	RETURN DUE DATE	APROX VALUE NEW
		BASE OR MOBILE (Ax)							
A1	On Loan	QYT KT8900 Base/Mobile Dual Band VHF/UHF Transceiver	25 Watt small footprint pre-programmed	https://www.amazon		K7FDC			\$82
		HAND HELD - HT (Bx)							
B1a	Available	Baofeng UV-5R HT w/battery charger and HT Antenna	VHF/UHF dual band HT pre-programmed	https://www.amazon					\$34
B1b	Available	Baofeng UV-5R HT w/battery charger and HT Antenna	VHF/UHF dual band HT pre-programmed	https://www.amazon					\$34
		POWER SUPPLY (Cx)							
C1	On Loan	Wagan EL9903 Power Converter for med power Base Station	12 Volt - 5 Amp Low Wattage PS can be used on KT8900	https://www.amazon		K7FDC			\$23
		ANTENNAS VHF/UHF (Dx)							
D1	Available	Flexible Whip Dual Band 15" HT antenna Nagoya/Btech	Replaces Rubber Duckie	https://www.amazon					\$27
D2	Available	MFJ-1724B Dual Band Mag-Mount Antenna	Mobile/Base VHF/UHF Antenna	https://mfjenterprises					\$35
D3	Available	Arrow "J-Pole" Dual Band Base Antenna	Base station VHF/UHF Antenna	http://www.arrowant					\$59
D4	Available	Broadband Collinear TRAM Scanner Antenna Resonant 2m & 70 cm	7 Foot Vertical Ant (SO239) w/2 "U" clamps Base Station use	https://www.amazon					\$68
		TEST TOOLS (Ex)							
E1	Available	VOM Volt-Ohm Multi-Meter	Measure Ohms, Volts, Amps	Radio Shack					\$30

... and may more items for loan (over 40 items available)

CLUB NEWS

(repeat)

WANTED...

OARC EQUIPMENT MANAGER



Consider the rewards awaiting you to volunteer for this rewarding and thrilling opportunity. *Hurry because this opening will go fast.* Contact our club president to secure your role in this position.

Thank you everyone.

73, Val Campbell K7HCP

CLUB NEWS

(repeat)

WANTED...

OARC SOCIAL MEDIA MANAGER



Consider the rewards awaiting you to volunteer for this rewarding and thrilling opportunity. *Hurry because this opening will go fast.* Contact our club president to secure your role in this position.

Thank you everyone. 73

CONTRIBUTING EDITOR SUBMISSIONS

GUEST ARTICLE

by Janet Thomson KF7NWL

42 Awards earned on HF since February 2021.

Check out Janet's QRZ page ... Janet Thomson KF7NWL

Other awards:

OMISS AWARDS:

21 State Flags, US Counties 100 and 200, Membership 100 and 200, Esprit de Military 1st through 7th Squads, Clergy Award, First Responder, US Army Military Award, US Navy Military Award, Spelling Bee, Perfect Attendance, Call District, and VIP Award.

QRZ AWARDS:

Grid Squared Award and 100 Counties Award.

See photo ... next page



I believe in God
and I believe in the war
not because I am war is,
but because of it,
all things are worth

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spelling
bee

GRID SQUARED AWARDS
JANET THOMSON
AFFIWE

GUEST ARTICLE

by Gil Leonard NG7IL



I had a lot of fun with this event and had to brag. You all know I love CW.

73 de Gil

NG7IL

CONGRATULATIONS Gil.

13th Annual 13 Colonies Special Event
Independence Week Celebration July 1 - 7 2021

73'

COLONIAL TALL SAILING SHIPS

USS Constitution
USS Boston
USS Congress
USS President

USS CONSTELLATION

HMS VICTORY

CONTACTS 11

WM3PEN PHILADELPHIA

ALL CW

This Is To Certify That *ARS*: NG7IL Has Participated In This On-Air Independence Week Event, Celebrating The Birth Of Our Nation.

GUEST ARTICLE

by Kim Owen KO7U

A Ham Nightmare

This pic was taken Saturday PM 21 August 2021 at Kim's residence while a lot of us were at Steak Fry.



GUEST ARTICLE

by Kent Gardner WA7AHY



Hint and Hacks for Some Kenwood Owners

As an owner of a Kenwood TS-2000 transceiver, I have thoroughly enjoyed operating the unit over the years. I bought it used from a ham in my home town of Burley, Idaho about 10 years ago while visiting there for one of my high school reunions.

The previous owner had taken it upon himself to replace the original orange dial lights/LEDs with blue ones. To me, the blue ones seemed more natural, but no big deal.

This last year, my tuning dial began making slight grinding noises while I turned the knob. Normally it was smooth as silk to turn. Could it need a squirt of oil, tightening in some way or needed replacement from normal wear and tear?

I decided to take the knob off and look inside the mechanism, but it was not immediately evident on how to remove it. Perusing the manual several times did not reveal any pertinent information so I got a flat bladed screwdriver and very carefully, tried to pry it off thinking the knobs were merely pressure fit types. There was no Allen screw in site. It scared me on how much pressure I was using because it didn't budge at all. I backed off and went to the internet for help.

Google soon revealed that the rubber traction shell had to be removed with minimal pressure just by using your fingers; thereby exposing the Allen socket.



It required a 1/16 inch Allen wrench. Believe it or not, the 1/16 size is hard to find since they are not included in average sets that you buy. I had dozens of old Allen wrenches in a junk box, but not one fit. After trying, unsuccessfully at Lowes and Home Depot, I finally found a set at Harbor Freight in Riverdale. It was labelled as Pittsburg 10 pc. Hex key set, SAE with the 1/16" piece listed first.

When I got the knob off, I immediately saw what the problem was. The previous owner who replaced the orange panel LEDs with blue ones had not completely retightened the hex nut that held the assembly to the front panel frame. He probably had hand tightened it and forgot to get a wrench to complete the job. I wrench tightened the nut and the knob resumed its usually smooth tuning. **Problem solved!**

I've noticed some other Kenwood rigs have the same dial knob/assembly.

TNX

Kent Gardner, WA7AHY

Additional note: I made the mistake of putting the hard-to-find 1/16th inch wrench somewhere close to the transceiver in the ham shack so I would have it available in the future, but promptly forgot where. I should have kept it with the complete set.

GUEST ARTICLE

by Dan KB6NU



ARRL weighs in on insulin pump story

September 3, 2021



The infamous insulin pump.

About a week and a half ago, [I blogged](#) about a Florida TV news report that took to task a radio amateur living a few doors down from a woman using an insulin pump. She claimed that his operation caused the pump to malfunction, putting her health at risk.

After hiring a consultant to look into the matter, the homeowner's association ordered the ham to cease operation, even though the consultant's findings were inconclusive. The report from Sublight Engineering, PLLC, of Arlington, VA, states, "*It is possible* that HF amateur radio operations described herein *could* create fields that exceed manufacturers (sic) limits." (Italics are mine.)

In my original post, I wrote, "This report is troubling for many reasons. I hope that the ARRL is aware of this, and is looking into it." Well, they did and [reported on their findings](#). As expected, they wrote, "It also became apparent that there is no actual evidence connecting the amateur's transmissions to operation of the insulin pump."

What I don't understand is why no one contacted the manufacturer, Medtronic. Wouldn't they want to know if one of their devices was faulty, or if their manufacturing and testing procedures were faulty?

With no real conclusion to this story, it's bound to pop up again. You know that someone somewhere is going to claim that a ham is interfering with his or her insulin pump and a Google search is going to turn up this story on the Florida TV station's website. I think it would have been a good idea to completely debunk this story, so that when it does come up again, we can just point to this case and blow off the complainer. As it stands, however, we really can't do that.



QST de W1AW
ARRL Bulletin From ARRL Headquarters
Newington CT. August 17, 2021
To all radio amateurs

FCC Application Fees Unlikely to Go into Effect Until 2022

The schedule of FCC amateur radio application fees likely will not go into effect before 2022. FCC staff confirmed during a recent virtual meeting with Volunteer Examiner Coordinators (VECs) that the agency is still working on the necessary changes to the Universal Licensing System (ULS) software and other processes and procedures that must be in place before it starts collecting fees from amateur applicants. Earlier this year, the FCC said it would not start collecting fees from amateur applicants before this Summer. The new estimate is that the fees won't go into effect until early next year.

Once it's effective, the \$35 application fee will apply to new, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications. All fees will be per application. Administrative update applications, such as those to change a licensee's name, mailing, or email address, will be exempt from fees. ARRL VEC manager Maria Somma, AB1FM, said Volunteer Examiner (VE) teams will not face the burden of collecting the \$35 fee.

"Once the FCC application fee takes effect, new and upgrade applicants will pay the exam session fee to the VE team as usual, but they'll pay the \$35 application fee directly to the FCC using the FCC Pay Fees system," she explained. When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 days from the date of the email to pay.

The FCC Pay Fees system can be accessed at, https://apps2.fcc.gov/Batch_Filer/login.cfm .

After the fee is paid and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license. The link will be good for 30 days. Licensees also will be able to view, download, and print official license copies by logging into their FCC ULS account. The FCC no longer provides printed licenses.

Licensees can log into the ULS with their 10-digit FRN (FCC Registration Number) and password at any time to view and manage their license and application, print their license, and update anything in their FCC license record, including adding an email address.

FEE SCHEDULE:

INDIVIDUALS -

\$35 FEE: New, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications. All fees will be per application.

NO FEE: Administrative updates, such as a change of name, mailing or email address, or license cancellation.

AMATEUR RADIO CLUBS -

\$35 FEE: New, renewal, trustee change, and vanity call sign applications. All fees will be per application.

NO FEE: Administrative updates, such as a change of name, mailing or email address, or license cancellation.

The 35\$ app fee will be transparent to the VEC process.

Submitted to Watts News by Larry Griffin AD7GL





ARRL Responds to Story of Radio Amateur Told to Remove His Antenna

09/02/2021

ARRL has responded to an Orlando, Florida, [news story](#) on August 23, 2021 by WFTV Channel 9 alleging a radio amateur was told to remove his antenna by the management of his subdivision following a complaint made by a neighbor.

“The news story appears to stem from a 2-year-old complaint from a neighbor who believed her insulin pump had malfunctioned due to the radio amateur’s operations ‘a few doors down,’” said ARRL Laboratory Manager Ed Hare, W1RFI. “The story is lacking any details or timeline, so I contacted the radio amateur involved for information, and volunteered ARRL’s assistance.”

Hare explained that medical devices such as insulin pumps are regulated by the US Food & Drug Administration (FDA) specifically for electromagnetic compatibility (EMC) purposes and are expected to be capable of operating in all the RF environments likely to be encountered by consumers. FDA [published guidance](#) for its staff and industry defines EMC with respect to electrically powered medical devices “as the ability of a device to function safely and effectively in its intended electromagnetic environment, including immunity to electromagnetic disturbance (interference).” FDA review of EMC information submitted with a device for approval “is based on the risk associated with EMC malfunction or degradation of the device under review, as well as the use of appropriate FDA-recognized standards or appropriate consensus standards.”

Hare noted there is an FDA recall for the model number of the insulin pump in question, in approximately the same time frame. “But with so few details, there is no way of knowing whether that recall applies to the serial number used or whether the exact unit has the mechanical defect indicated in the recall notice that could cause the malfunction,” explained Hare.

It also became apparent that there is no actual evidence connecting the amateur’s transmissions to operation of the insulin pump. Hare was told that the amateur agreed to run tests to establish whether there was a cause and effect, but the neighbor declined.

Hare commented, “While there are no requirements for a radio amateur to stop transmitting due to alleged interference to a non-radio device, the preferred path with any complaint is for neighbors to work together.”



ARRL Board Establishes Program to Cover Initial FCC License Fee for Young Applicants

The ARRL Board of Directors has formally endorsed a proposed program calling on ARRL to cover the \$35 application fee for license candidates younger than 18 years old. The FCC is not expected to implement the \$35 application fee schedule until sometime in 2022. The Board approved the "Youth Licensing Grant Program" at its July meeting in Windsor, Connecticut. The program concept, first raised at the Board's annual meeting in January, was reviewed by an ad-hoc committee, which expanded the scope of the original motion by ARRL Southeastern Division Director Mickey Baker, N4MB.

Goals of the program include expanding the reservoir of trained operators, technicians, and electronics experts within the amateur radio community, and removing a financial obstacle to young people who wish to acquire an amateur radio license, as a means of encouraging potential careers in science, technology, engineering, and mathematics.

Under the program, ARRL would cover a one-time \$35 application fee for each qualified candidate who passes one or more amateur radio exams taken on the same day at a single examination session. Tests would have to be administered by a Volunteer Examiner (VE) team working under the auspices of the ARRL Volunteer Examiner Coordinator (VEC). Qualified candidates would also pay a reduced exam session fee of \$5 to the ARRL VEC.

The new program would also "enhance ARRL's position as the leader in volunteer testing," the Board motion said. "The Board believes that the recruitment and training of young amateur radio operators is a necessary mission of ARRL, and that subsidization of the \$35 fee will reduce the number of new amateurs that otherwise would be lost from these groups," the Board said.

The Board said ARRL Headquarters staff would determine the method of qualifying applicants and instruct VE teams, giving the teams flexibility to determine that a candidate is eligible for reimbursement in the absence of documented proof. The Board envisioned that the VEC would pay the FCC directly. The new program would initially serve up to 1,000 new license applicants younger than 18 years old.

The motion gave ARRL staff "complete latitude" to determine how payment is delivered to the FCC or to reimburse eligible applicants. This program length is indefinite; it may be renewed or terminated by the Administration and Finance Committee or by the Board of Directors. The motion carried with applause from Board members.

O'bay Swap

SWAP ITEM #

FOR SALE:

WANTED:

Swap Items—Advertise here!

To view classified items ...

click link from the club website homepage.

CLUB REFERENCE MATERIAL

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 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. Remember ... FREE Steak at Steak Fry for ALL members.

Ham + Spouse = \$15 + \$10 = \$25

THANK YOU FOR YOUR SUPPORT

Join OARC

Join or Renew your membership now!

Joining & Renewal is easy. On the club website home page click Join/Renew tab and fill out the membership form. You can pay using your PayPal or mail a Check or Money Order to the club PO Box listed. Or print a hardcopy of the membership form, fill it out and mail it to the PO Box along with your payment. Better yet, Come to a club meeting and bring the completed membership form with you.

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.

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.

Club Badges

OARC Club badges are available for all licensed club members.

The cost is **\$12.00** 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 **\$12.00** prepaid in advance for each badge ordered and specify Call Sign and First Name.

Visit the club website home page Join/Renew tab and select the Badge Order form to order your badge. You can use PayPal or mail your check to the club PO Box.

OARC Facebook Page



Did you know that OARC has a Facebook page ?

Just click on the icon on the bottom of the club website home page to visit OARC's ongoing monthly activities and events. They are posted here for your viewing pleasure.

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 bottom of the club website home page to view recorded meetings preserved for your viewing pleasure.

ANNOUNCEMENTS

Next Club Meeting:

3rd Saturday of each Month

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

Meeting/Activity:

See monthly notices earlier in this newsletter.

Talk-in: - 448.600 (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 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

**Utah Military Academy
5120 S 1050 W
Riverdale UT 84405**

Contact: VE Liaison:

Rick Morrison W7RIK (Co-Liaison)

morrisonri@msn.com (801-791-9364)

Gil Leonard N7GIL (Co-Liaison)

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

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

OARC is 100 years old

OARC was established in May 1921 and became ARRL affiliated in 1937.

OARC REPEATERS			
(*) Yaesu Fusion digital/FM compatible			
FREQ	CLUB	TONE	LOCATION
146.900-	OARC (*)	125 DCS	Mt Ogden (w/WiresX)
448.600-	OARC (*) "talk-in"	123.0	Mt Ogden
146.820-	OARC (*)	123.0	Little Mtn
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
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
146.780-	UVARC	100.0	Lake Mtn
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	ogdenarc.org	3 rd Saturday 09:00 am	Check OARC web site ...
WC Sheriff Comm-O		1 st Saturday 10:00 am	Weber Co. Sheriff Complex West 12 th Street Ogden Utah
Barc	barconline.org	2 nd Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSErg	dcarc.net /ares.htm/	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	dcarc.net	2 nd Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	home.comcast.net/ ~noutares/	3 rd Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	xmission.com /~uarc/	1 st Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
UVarc	https://uvarc.club	1 st Thursday 6:30 pm	Orem City Council Chamber Room 56 North State St. Orem Utah
GSarc	Ubetarc.org	Check Website	Check Website
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)
WDArc	westdesertarc.org/	1 st Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	https://groups.google.com/forum/#!forum/wsuarc	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 @ 7:15 PM	Weber/Davis ERC	146.820 - 123.0 (ERC training net)
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 2-meter USB
Tuesday @ 6:30 PM	OARC—Ham & Eggs Net	448.600 -123.0
Tuesday @ 8:00 PM	Weber ARES	448.600 - 123.0
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 7:00 PM	Am-Con Northern Utah	448.600 -123.0
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 HF USB
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz 6-meter USB
Thursday @ 7:00 PM	OARC - 10 Meter Net	28.385 MHz USB (all hams invited)
Thursday @ 6:30 PM	Davis Co Elmers Net	147.040 + 123.0 New Hams
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0 3 rd Thursday - even months only
Thursday @ 8:30 PM	Davis ARES	147.420 = simplex
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mst	RACES State HF	3.920 Mhz HF LSB 3 rd Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

73 de W7SU

w7su@arrl.net

www.OgdenArc.org