

# Watts News

## Monthly Newsletter of the Olympia Amateur Radio Society

October 2017

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# Club Information Page

OARS Officers			
President	Bruce Montgomery	WA7BAM	259-9300
Vice President	Dennis Niles	WV7S	(808)283-3208
Secretary	Rue Palmer	W7RUE	790-5633
Treasurer	Ed Fitzgerald	N7WW	491-2289
Member at Large	Artt Taylor	KL7SK	578-0162
Key Contacts			
RFI Committee	Ghery Pettit	N6TPT	867-0756
Repeater Committee	Fred Baker	W7SIX	791-2444
Repeater Committee	Ken Dahl	K7TAG	534-9357
Club License Trustee	Duane Braford	WB7ROZ	412-1902
Information Net	Lee Chambers	KI7SS	951-2538
ARES Net	Tom Bohon	KE7EJJ	456-6260
WebMaster	Ray Goble	WA4RAY	253-344-3408
Newsletter	George Lanning	KB6LE	438-5797
Classes	Lee Chambers	KI7SS	951-2538
License Exams	Klaus Neubert	AC7MG	280-2428
Equipment Custodian			
OARS Website: <a href="http://olyham.org">olyham.org</a>			

Membership Application	
<input type="checkbox"/> New <input type="checkbox"/> Renewal	
Date	
Call	
Name	
Address	
City, State	
Home Phone	
Cell Phone	
email	
Annual Dues: \$ 50 single or family Pay to Treasurer at any meeting, or mail to:  <b>OARS</b> PO Box 2861 Olympia WA 98507	

## OARS Net Check-ins

The following stations checked in one or more times on the OARS General Information Net in June 2016:

AC7MG	KB7ED	KI7CQ	W77BRR
AD7KC	KB7OZK	KI7FKQ	W7ATR
AE7UG	KB7TBE	KI7LXM	W7KDM
AF7IO	KD6VPH	KI7MTA	W7NN
AG7BA	KD7LYY	KI7PAZ	W7RUE
K3AL	KD7OQS	KI7SS *	W7SLT
K7HTZ	KD7PLJ	KL7SK	WA4RAY
K7TAG	KD7SQU	N3ECZ	WA7BAM
K7TCM	KE7NVS	N7GQP	WA7SH
K7TST	KF7VNA	N7TLE	WB7QEU
KA7FRZ	KF7VWA	N7WW	WB7ROZ
KB6LE	KG7CCE	W6EGV	WV7S

\* Net Control Station

The net meets at 7:30 every Tuesday evening on the 3 linked OARS repeaters: 147.36, 224.46, and 441.40 MHZ. All Hams are invited to check in.

### License Exam Sessions

6:00 pm before each monthly OARS meeting  
 Walk-ins allowed  
 To apply contact Klaus Neubert 280-2428  
[oars-ve@comcast.net](mailto:oars-ve@comcast.net)

In an effort to provide the best testing environment possible, the examiners request non-candidates remain outside for the duration of the exam session.  
 —Thank you.

## President's Message

As I type I am sitting in the sun waiting for the start of our stage for the Doo Wop road rally outside of Shelton. While I have weak cell service at finish, radio is the only reliable form of communication here in the woods. Volunteering at this and other events provides needed communications. Additionally, the last 2 weekends events have brought to light ways my portable stations have not functioned to full capacity. Both sets of problems have been solved so my education goes on and the stations continue to be tested and improved.

Members have shown me the depth of the spirit of volunteering that exists within the OARS community. Phil, KA7FRZ, in addition to writing and estate sale jobs he has accomplished is also developing an OARS logo. Ray, WA4RAY, working with George, KB6LE, has developed a new OARS website. The new site at <http://olyham.blogspot.com/> not only provides links to a wealth of information from podcasts to propagation forecasts, but also serves as a future launch point into the world of social media. These changes are already giving OARS a greater Web presence. Duane, WB7ROZ, shared a satellite view showing field day. What are the chances of a satellite picture on field day? Check out the picture on the new Website.

There are others I haven't written about and volunteering beyond radio; please consider yourself thanked too. With all the news from the recent disaster areas, I've concluded this world runs on volunteers.

Additional volunteers helped clean up the radio towers and antennas at Radio Dave's residence. Towers, coax and antennas all came down during a 2 day work party. Hams also continued to purchase gear with some of the antennas selling before they touched the ground. Dave's niece was elated at the changes made to her home.

With the amount of earthquake and hurricane damage not all that far away it is easy to find an emergency net. A recent rainy day found me in the shack working on a project, and I found the SATERN net on 14.265. The pleas for information were ominous. Side band (voice) communicates emotion in addition to information. The net was focused on Puerto Rico with its damage from hurricane Maria. Business was slow and the experienced net control had time to explain that with the depth of damage even prepared hams were unable to get on the air quickly. My learning continues. Emergency net frequencies are published so just be sure to listen carefully before transmitting.

On the new website is a link 'Emergency Power Estimator' in the left side column. The interactive spreadsheet was developed by Dan Agun, KF7HJ, of Bothel, WA. Dan was kind enough to share this with the Big Foot hams and gave me permission to share it with you. To use it, first click on the link and the spreadsheet opens in a new window. But for it to be interactive, you have to download it by clicking the button just right of center at the top of the page. Opening the document will produce the interactive version. If you like this tool, save Dan's version first, then start changing his numbers to fit your own situation. Puerto Rico is currently forecast to be without electricity for 4 to 6 months. When the next 'big one' happens locally we will need hams that are able to communicate at least an hour or two per day for an extended period of time. How long will your station be on the air in an extended emergency?

Radio club events are slowing with the beginning of the fall season and while the adult events are important, two youth events arrive in the next 2 months and both involve Scouting. First, October 20-22 is the 60th anniversary of Jamboree on the Air (JOTA). This is the largest scouting each year with scouts talking to hams and other scouts via amateur radio. With the newest technology available Jamboree on the Internet is also available. If propagation is poor, Echolink and other alternatives available to licensed hams can be used. If you know of youth in Scouting consider offering to get them on the air. My experience is that it is a memorable event for the kids.

In November is the Scout night hike. Groups of scouts hike a 10 mile loop through woods to stations where they are given a task to accomplish. Hams volunteer to set up at task stations and report to net control the arrival and departure of groups of scouts. Last year was my first year and the station at my location scouts assembled a wooden bridge without tools, fasteners and no written instructions. Other scout oriented tasks were done at other stations. As I type this I wonder if there could be a station with a radio station where scouts could make contact with hams or other scouts by radio. Perhaps a location with access to the OARS repeaters could be found. Hmmm.

OARS elections are coming at the November meeting. I've been told the position of secretary and member at large are to be considered open. Thanks to those who have performed those jobs. Consider running for open offices.

Thanks again to all who volunteer. Amateur radio is becoming better known in our community, and through various volunteer activities the view is most positive. Keep up the good work, get on the radio, make some electromagnetic noise and have some fun. Pursue this great hobby with gusto and meaning. As you encounter questions and problems, never, ever give up.

—Bruce, WA7BAM, OARS president

## Treasurer's Report

As of September 26

GENERAL FUND (checking account)

Previous balance .....	\$ 1,969.79
Income .....	75.17
Expenses .....	0.00
Ending balance .....	2,944.96

REPEATER / PACKET FUND (savings account)

Previous balance .....	\$ 1,053.92
Income .....	0.00
Expenses .....	0.00
Ending balance .....	1,053.92

— Ed Fitzgerald, N7WW, Treasurer

— ... —

## Renovated OARS Website

If you haven't looked at our website lately, check it out. Ray Goble, WA4RAY, has taken on the task of modernizing and updating our OARS website, [olyham.org](http://olyham.org). Thanks, Ray — it is looking very good.

The new website has a list of members names, call signs and email addresses. If you wish to have any of that information removed, contact Ray at [wa4ray@arrl.net](mailto:wa4ray@arrl.net) tell him the specific changes you wish, and he will make your wishes come true.

— George, KB6LE

— ... —

## Jawjuh English

HEIDI - (noun) - Greeting.

HIRE YEW - (Complete sentence) Remainder of greeting. Usage "Heidi, Hire yew?"

BARD - (verb) - Past tense of the infinitive "to borrow." Usage "My brother bard my pickup truck."

JAWJUH - (noun) - The State north of Florida. Capitol is Lanner. Usage "My brother from Jawjuh bard my pickup truck."

BAMMER - (noun) - The State west of Jawjuh. Capitol is Berminhayum. Usage "A tornader jes went through Bammer an' left \$20,000,000 in improvements."

MUNTS - (noun) - A calendar division. Usage "My brother from Jawjuh bard my pickup truck, and I ain't herd from him in munts."

THANK - (verb) - Cognitive process. Usage "Ah thank ah'll have a bare."

BARE - (noun) - An alcoholic beverage made of barley, hops, and yeast. Usage "Ah thank ah'll have a bare."

IGNERT - (adjective) - Not smart. Usage "Them Bammer boys sure are ignert!"

RANCH - (noun) - A tool used for tight'nin' bolts. Usage "I thank I left my ranch in the back of that pickup truck my brother from Jawjuh bard a few munts ago."

FAR - (noun) - A conflagration. Usage "If my brother don't change the all in my pickup truck, that thing's gonna catch far."

TAR - (noun) - A rubber wheel. Usage "Gee, I hope my brother don't git a flat tar in my pickup truck."

TIRE - (noun) - A tall monument. Usage "Lord willin' and the creek don't rise, I sure do hope to see that Eiffel Tire in Paris sometime."

RETARD - (verb) - To stop working. Usage "My grampaw retard at age 65."

FAT - (noun), (verb) - a battle or combat; to engage in battle or combat. Usage "You younguns keep fat'n, n' ah'm gonna whup y'uh."

CHEER - (adverb) In this place. Usage "Just set that bare rat cheer."

FARN - (adjective) - Not domestic. Usage "I cuddint unnerstand a wurd he sed ... must be from some farn country."

BOB WAR - (noun) - A sharp, twisted cable. Usage "Boy, stay away from that bob war fence."

JEW HERE - (noun) and (verb) contraction. Usage "Jew here that my brother got a job with that bob war fence cump'ny?"

HAZE - a contraction. Usage "Is Bubba smart?" "Nah...haze ignert. He ain't thanked but a minnit'n 'is laf."

SEED - (verb) -- past tense of "to see." "I ain't never seed New York City ..."

GUBMINT - (noun) - A bureaucratic institution. Usage "Them gubmint boys shore is ignert."

— from David ZL3AI via packet

— ... —

## JOTA 2017 Organizers Urge Scout Stations to Register Now

09/20/2017

Scouting's Jamboree on the Air/Jamboree on the Internet (JOTA/JOTI) event takes place over the October 20 – 22 weekend, and organizers are urging Scout stations planning to participate to [register](#) now. The world JOTA-JOTI Team has activated its online sign-up system. This year's event will be the 60th Jamboree on the Air.

“Our number one message at this time is to register their station and get ready for JOTA,” JOTA Coordinator Jim Wilson, K5ND, told ARRL. “It's time for Scout groups to bring together their open action items — ordering patches, printing handouts, gathering equipment, reminding staff members, verifying location, and getting the word out to the Scouts to be prepared for a fabulous experience talking with other Scouts across the country and hopefully around the world.”

JOTA is the world's largest Scouting event, held annually over the third full weekend in October, and Scouts of any age can participate — from Cub Scouts to Boy Scouts and Venturers, male and female. During JOTA, Amateur Radio links Scouts with other Scouts and hams, locally and worldwide. Since the first JOTA in 1958, millions of Scouts have met each other through this event to exchange ideas and share experiences via ham radio. Many contacts made during JOTA have resulted in enduring friendships and connections.

According to the World Scout Bureau, the 2016 JOTA had nearly 1.3 million Scout participants from more than 30,000 locations, and reached 156 countries.

The World JOTA-JOTI Team has published a [Participant's Guide](#) to help Scouts to get on the air and the Internet for the largest Scouting event in the world. They've also published a brief history of the [60 years of Jamboree on the Air](#) as well as the [Top 10 Challenges and Activities in 2016](#) that might provide ideas for your event this year. An [online scheduling tool](#) is available too.

For participating via EchoLink, two conference nodes now have been designated for Scout contacts — \*JOTA-365\* (node 480809) and \*JAMBO\* (node 832996). Visit the K2BSA Radio Scouting page for [more information](#) on frequencies, including D-STAR, DMR, and IRLP.

## Not All “Intruders” on Ham Bands are Illegal — But a Lot of Them Are

09/14/2017

The [monthly newsletter](#) of the International Amateur Radio Union Region 1 Monitoring Service (IARUMS) typically makes for some interesting reading. While the reports that come from more than two dozen contributors in Europe and Africa can be a bit visually dense, the content conveys the impression that there are myriad intruders on the Amateur Radio bands. However, not all of them are illegal, as IARUMS points out, but a lot of the signals heard are not supposed to be where they were monitored. The individual reports can be a bit humorous too.

“Get the grub, and I'll talk to you later this evening,” was a snippet of a conversation between two fishermen — identified as Mick and Jack — that an Irish Radio Transmitters Society (IRTS) monitor overheard on 3.570 MHz and reported to the IARUMS. The IRTS said the chatter was accompanied on both sides by “loud motor noise,” and, if that were not sufficient detail, it pointed out that both men had Galway accents. Intruding signals from fishing crews throughout IARU Region 1 are commonplace.

More blatant are the repeat offenders, such as the “Chinese foghorn” heard by over-the-horizon (OTH) radars on several frequencies in the exclusive Amateur Radio 20-meter allocation, as well as on 15 and 40 meters. IARUMS Region 1 Coordinator Wolf Hadel, DK2OM, said the signals, 10 kHz wide and with 50 and 66.66 sweeps per second, transmit in burst mode and often jump frequencies.

Some signals from military stations on non-exclusive Amateur Radio allocations are legal. For example, the latest IARUMS newsletter cites the Stanag-4285 military signal that showed up for a few days in August on 5,361.8 kHz. The Stanag-4285 transmissions, coming from a Navy facility in Aarhus, quit on August 28. “Many thanks to the Danish Navy for leaving this frequency!” Hadel added, noting that the Danish Navy is a primary user. “We have to respect primary users!” he said.

An Australian OTH radar “Jorn” showed up on 5,357 kHz. IARUMS noted that this is a primary user of that band.

Adding a little mystery and intrigue to the compilation was a report from a radio amateur in the UK citing a “female voice with encrypted messages” on 14.212 MHz, believed to originate with the Foreign Intelligence Service of Ukraine in Rivne.

In the “miscellaneous or bad news” category were some repeat offenders, such as Radio Hargaysa in

Somalia on 7,120.0 kHz; Radio Eritrea and white noise interference from Radio Ethiopia persisting on 7,140.0 kHz and 7,180 kHz; a third harmonic of Radio Tajik on 4,765 kHz, showing up on 14,295.0 kHz; the Sound of Hope from Taiwan, transmitting on 18,080 kHz; the Russian Navy sending CW on 21,438.0 kHz, and Radio Iran “in burst mode” on 28,960.0 kHz, daily.

True intruders are those appearing on exclusive Amateur Radio frequency allocations. Some domestic Amateur Radio HF allocations outside Region 2 (the Americas), such as 7.200 to 7.300 MHz, are either shared with other services or not available to radio amateurs. Only the 7.000 to 7.200 MHz segment of 40 meters is currently allocated exclusively to the Amateur Radio Service worldwide. On other ham radio HF allocations, such as the 30-meter band, Amateur Radio is secondary to other users. However, the 20, 17, 15, 12, and 10-meter bands are exclusively available to the Amateur Radio Service worldwide.

## Cat Call

I was at a yard sale one day and saw a box marked, “Electronic cat and dog call—guaranteed to work”. I looked inside and was amused to see an electric can opener.

## Top-Level Domain Name “.radio” Available

*08/28/2017*

The top-level domain (TLD) name “.radio” is now available to the radio industry and Amateur Radio enthusiasts, and is reserved for individuals and companies with active interest in the radio sector. The .radio TLD can be used for web and e-mail addresses and will be managed by the European Broadcasting Union (EBU) with support from other world broadcasting unions. Visit the [.radio domains registration site](#) to request a .radio domain.

Individuals or entities in these categories will be accepted for the use of a .radio domain:

- Radio broadcasting stations
- Unions of Broadcasters
- Internet radios
- Radio Amateurs
- Radio professionals (journalists, radio hosts, DJs, etc.
- Radio-related companies selling radio goods and services
- Radio products and services

One or more .radio domain name(s) can be requested during the launch period, which ends on October 31, 2017. The cost for individual radio amateurs is about \$30, including tax.

“The EBU believes radio stations should be the focus of this new space on the internet, and considers them our highest priority,” the announcement said. “However, other categories of applications from the radio sector will also be considered during this phase.”

EBU’s .radio TLD Manager Alain Artero suggested that those in the radio community may want to consider securing the integrity of their web presence by requesting appropriate .radio domains “for defensive reasons, initially.”

“The TLD will be focused on content and matters specific to radio, and we want to prevent speculation and cybersquatting in this TLD; therefore, this extension will rapidly become a high-value internet space for websites, mail systems, and other internet applications,” he continued.

The launch process will not be first come, first serve. “The .radio team will seek to optimize domain name allocation to solve contentious issues and prioritize existing radio services,” the EBU announcement said.

Starting in November, first come, first serve rules will apply, although eligibility requirements remain the same.

For more information, visit [www.nic.radio](http://www.nic.radio).

## For Sale

Classic Collins S line in very good condition.

32S-1 transmitter, 75S-3 receiver, 516F-2 power supply/speaker.

\$500 for the set. No lower price will be considered.

Located in NW Olympia.

If interested email [Causmik@comcast.net](mailto:Causmik@comcast.net).

Thanks, Mike Causland

*Submitted by Lee, ki7ss*

## Minutes of September 21 Meeting

1800hrs. We had two candidates for testing; both passed; one Tech and one General.

1900hrs. Bruce - WA7BAM had everyone introduce themselves and asked whether anyone needed help

or questions answered. There were 30 present at the meeting.

Rue – W7RUE offered the Secretary's Report from the August meeting.

Ed – N7WW offered the Treasurers Report; \$-1969.79, in the General; Fund and \$1,053.92 in the Repeater Fund.

Phil – KA7FRZ; gave a detailed presentation on proper station grounding and information on solar flare.

There was a Digital Mobile Radio discussion Ray – WA4RAY the new website and its content and calendar;

Bruce - WA7BAM talked about Emergency Power Assessment by Dan Agun KF7HJ

Bruce - WA7BAM reminded everyone about elections in the November meeting. He also talked about possible SIG's: CW, Newbies, Digital operations, Tech net, Building and ex: Bitex40, as well as the 'All Thurston County Net.'

There was some discussion about renewing the break in the meeting agenda in the future.

*Submitted Respectfully,  
Rue Palmer – W7RUE,  
Club Secretary*

## **Puerto Rico Emergency**

September 25, 2017  
Newington CT

### **For immediate release**

Fifty of the nation's most accomplished Amateur Radio operators have responded within 12 hours to the call of the American Red Cross to deploy to Puerto Rico and provide emergency communications. At the behest of Red Cross, ARRL rallied the US Amateur Radio community to provide up twenty-five, two-man teams of highly-qualified hams. The group's principal mission will be moving health and welfare information from the island back to the US mainland where that data will be entered in Red Cross "Safe & Well" website: <https://safeandwell.communityos.org/cms/index.php>.

The group will deploy the middle of this week and remain deployed on the island for up to three weeks.

ARRL will equip each two-person team with a modern digital HF transceiver, special software, a dipole antenna, a power supply and all the connecting cables, fitted in rugged waterproof container. In addition, ARRL is sending a number of small, 2,000 watt portable generators as well as solar-powered battery rechargers of the variety used by the US military on extended expeditionary deployments. The hams and their equipment will be sent to Red Cross shelters extending from San Juan to the western end of the island.

"This generous outpouring of response represents the finest qualities of the Amateur Radio community," said Tom Gallagher, ARRL's CEO. "These individuals are dropping whatever they are doing now, heading off to an extended hardship-duty assignment, and offering their special talents to Americans who have been cut off from their families, living amid widespread destruction and without electrical power since Hurricane Maria struck the Caribbean region last week."

"In the nearly 75-year relationship between ARRL and the American Red Cross, this is the first time such a request for assistance on this scale has been made", said Mike Corey, ARRL's Emergency Preparedness manager from ARRL's Newington CT headquarters. "Hurricane Maria has devastated the island's communications infrastructure. Without electricity and telephone, and with most of the cell sites out of service, millions of Americans are cut off from communicating. Shelters are unable to reach local emergency services. And, people cannot check on the welfare of their loved ones. The situation is dire."

How can you help? In a letter to all ARRL members, President Rick Roderick asked for contributions to ARRL's Ham Aid fund. President Roderick emphasized, "equipment has been flying out the door since Harvey struck the US mainland. From meeting requirements in aid of Hurricane Irma victims in the US Virgin Island and Florida, our stores of ham aid kits are completely depleted."

Donate to Ham Aid. ARRL's Ham Aid program loans Amateur Radio equipment kits to established Amateur Radio Emergency Service (ARES®) groups and partner agencies during disaster response, in order to

establish Amateur Radio communications support. Ham Aid is supported by donations from individuals and corporations – including many of our ham radio industry partners. ARRL has previously staged Ham Aid equipment in Texas, and in the last weeks we have supplied kits in Florida, the US Virgin Islands, and Puerto Rico. Our supply of Ham Aid kits has been rapidly depleted. Your donation to Ham Aid will help us now. Your contributions to Ham Aid are 100% tax deductible.

To make a donation online, go to [www.arrl.org/arrl-donation-form](http://www.arrl.org/arrl-donation-form) and select "Ham Aid" from the ARRL donation form. To donate by mail, print a donation form, and mail it with your check payable to ARRL, noting "Ham Aid" on the memo line of your check; mail to ARRL, 225 Main Street, Newington, CT 06111 USA.

# **O A R S Meeting**

**Wednesday, October 18, 7:00 pm**

**“HamWAN”**

South Sound Manor Event Center

455 North Street SE

Tumwater

If you are a Ham who has received this newsletter, but are not yet a member of OARS, you are cordially invited to join us. Please complete the membership application found elsewhere in this newsletter and mail it to:

OARS  
PO Box 2861  
Olympia WA 98507

or bring it to an OARS meeting and see Treasurer Ed Fitzgerald.

OARS  
PO BOX 2861  
OLYMPIA WA 98507

