

# REMEMBER WEDNESDAYS GENERAL MEETING IS CANCELLED





CLALLAM COUNTY  
AMATEUR RADIO  
CLUB

QTC  
FEBRUARY 19

**BV RAMBLES:**

I tapped my friend N7WA who does the Mike and Key Newsletter for a couple of his articles.

Monitoring our repeater use on Tuesdays and Thursday Nets one hears a lot of call signs being busted by those speaking too soon after pressing the PTT button. One station recently made three or four attempts to get their call through, only to have the net control say thank you and move on. Both ARES and CCARC net controllers will demo this to demonstrate what is happening.

Here is what Bob, K6MBY has to say "But think about it..... you key up your radio, then the radio takes some time to get into the transmit mode, the signal needs to make its way to Striped, the receiver needs to see the signal, check its sub audible tone to make sure it is correct, tell the transmitter to turn on, the transmitter then needs to come up to power and then the signal needs to make it backs to the users radio. So, how long does all that take.....about a second.

Yes, key your mike, wait a second, then talk. A good practice."

Although we all get in a hurry sometimes, if you get asked for your call again then make sure you are waiting before speaking.

Please remember the Amateur Radio Service is "Self Regulating". What this means is any infraction of FCC Part-97 code should quickly be pointed out and solved locally. Do not feel slighted if someone advises you on the air of your glitches, that is "Self Regulating".

FT-8 continues to be unbelievably popular; this weekend was a very popular RTTY contest usually with about 1200-1800 logs turned in. This morning one of our local WWDXC members commented on how few JA were on RTTY, and how many were active on FT-8 during the same time period. See page 4 for more info.

Aren't you glad for the "information highway"? Yesterday. Monday, I received four different relays about highway 112 being closed— I wanted to send each one a note to please come over and shovel my drive way so I can get out, then I will worry about HYW 112 !@#\$\$%

73, Chuck N7BV

## Get Your License Here!

### Next Scheduled Training session + Exam

**April 20, 27 & May 4**

**Chuck Jones N7BV  
ARRL VE-L**

The Exam session on Wednesday February 6th went well with 3 out of four candidates passing. So we welcome two new Technicians and one new General to Clallam County.

Thanks to examiners and other supporters for coming out to ensure everyone got to the exam session and home safely.

Especially Cori KF7VZZ, Dennis AD7TV, Bill W6JEQ, Tom KG7U, Chris W6EZE, and Mark K7MAE.

Submitted Chuck N7BV VE-L

We need articles and input for the QTC newsletter. This is your newsletter.

Tell us how you became interested in Ham Radio. What did you do over the summer (just like school) huh!

Did you put up a new antenna, buy a new radio? Tell us about it.

Did you try a new mode again tell us about it.

The more you submit the less blank space we will have!

### CCARC QTC Newsletter

#### Just a little background on the QTC.

We use ccarcqtq@yahoo.com as a repository for information for the newsletter. So if you have something for the QTC, please send it to the yahoo address. Do not sent it to one of the editors as they will just have to turn around and resend it to the yahoo address.

Please make sure the article or information is complete. As we rotate editing the newsletter you cannot be sure which editor will be piecing the newsletter together.

Please remove as much formatting from within whatever program you are using if you know how, before sending it to ccarcqtq. We do not edit, except to change fonts to a standard non-serif font (Arial which is easier to read than Times Roman). We will run a spell checker.

When first conceived the editors were given free license, it still is that way. It was understood they would endeavor to include everything submitted, within reason. For instance, off color jokes etc. are not going to be printed. Thanks,

Have an idea for a club program?  
Pass them along to the members  
of the program committee.

Thanks.

### 2 METER NETS

#### **CCARC :**

Every Thursday 7:00 pm on the W7FEL Repeater.

#### **ARES/RACES:**

Every Tuesday except 1st Tuesday of the month at 7:00 pm on W7FEL Repeater.

**W7FEL Repeater:** 146.76 MHz, offset down 600 KHz. with a tone of 100 Hz.



The **PNW DX Convention** has been held every summer since 1955 with the sponsorship rotating between the major DX clubs of the Pacific Northwest. The 64th Convention is hosted by the [Western Washington DX Club](#), the largest and oldest of the clubs.

Together, these organizations have upheld the rich traditions of amateur radio and the pursuit of DX through five solar cycles. Over the decades, we have enjoyed wonderful friendships and the very special international camaraderie that ham radio fosters in the Pacific Northwest and around the world.

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**Northwest DX and Contest Clubs**

- [Spokane DX Association](#) | [Idaho DX Association](#) | [Western Washington DX Club](#)
- [Willamette Valley DX Club](#) | [Central Oregon DX Club](#) | [Orca DX and Contest Club](#)
- [British Columbia DX Club](#)

*Congratulations and thank you to the Orca DX and Contest Club for hosting a great 2018 convention on the banks of the Fraser River in lovely British Columbia!*

See: <http://pacificnwdxconvention.com/>

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**Some of the Presentations:**

Dr. Joe Taylor, K1JT  
"Beyond WSJT-X 2.0"

Dr. Tamitha Skov, WX6SWW  
"Space Weather Woman"

Ed Muns, W0YK  
"Contesting Beyond CW, SSB, RTTY "

Mike Mertel, K7IR  
"The SteppIR (Antenna) Story"

Dinner Banquet and  
Special Guest Speaker  
Ward Silver, N0AX

Ed Muns, W0YK  
"Contesting Beyond CW, SSB, RTTY "

Date: Tue, 15 Jan 2019 15:59:46 -0800  
Subject: [FT8] 2019 ARRL RTTY Roundup

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RTTY and FT8 Successfully Coexist in 2019 ARRL RTTY Roundup  
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01/10/2019

Based on informal polling and log-submission trends, it appears that RTTY and FT8 successfully shared spectrum during the ARRL RTTY Roundup over the January 5 – 6 weekend. The event is seeing a dramatic uptick from last year in the number of logs submitted, with more than 2,400 and counting received by midweek, as opposed to 1,622 in the 2018 running. ARRL Contest Branch Manager Bart Jahnke, W9JJ, is urging everyone who participated in the 2019 RTTY Roundup to turn in a log — no matter the number of contacts made. Logs for the 2019 RTTY Roundup are due by Sunday, January 13, at 2359 UTC, and may be \*uploaded via the ARRL website\* ( <https://contest-log-submission.arrl.org/> ) (or see \*mailing instructions\* ( <http://www.arrl.org/rtty-roundup> ) for paper logs).

“The 30th running of the ARRL RTTY Roundup is now in the books,” Jahnke said. “All indications are that the event — in both RTTY and other digital categories — gained significant additional attention and increased popularity with the inclusion of FT8 in the digital line up.” Jahnke said the digital operating experience gained through the RTTY Roundup should benefit participants in the upcoming \*ARRL January VHF Contest\* ( <http://www.arrl.org/january-vhf> ) and in future VHF contests, where WSJT-X protocols such as JTx, MSK144, and FT8 continue to gain popularity as a means to work hard-to-reach grids beyond the usual 400-mile tropo-scatter range, and for slower activity periods.

Jahnke reminds those submitting RTTY Roundup logs to make sure they’re entering in the correct category. All entries that made contacts in FT8 or PSKxx (with their multi-channel decoder technology) must enter in one of the Unlimited categories, unless they’re Multioperator entries. \*Contact\* ( [contests@arrl.org](mailto:contests@arrl.org) ) the ARRL Contest Branch with any questions.

The inclusion of FT8 for the first time in the RTTY Roundup had generated considerable pre-contest debate, but when all was said and done, most stations tended to operate one mode or the other, although a few utilized both (and perhaps other digital modes), judging from logs posted on the \*3830scores\* ( <https://www.3830scores.com/currecscores.php?arg=7Lcgsozuisms4> ) website. The RTTY Roundup came close on the heels of the inaugural \*FT8 Roundup\* ( <https://www.rttycontesting.com/ft8-roundup/2018-results/> ) over the first weekend in December, which was deemed a success (it was the first-ever contest for the winner — only licensed for 2 years — and for one other Top 10 finisher).

Alex Panoiu, YO9HP, in Romania, initially was hesitant about the idea of mixing RTTY and FT8, but set up for both modes anyway. “Definitely in the first hours, the rates were three times higher in RTTY compared to FT8,” he said in his 3830scores comments. “But later, when less ‘fresh meat’ was available

in RTTY and propagation became marginal, FT8 became interesting. I noticed that most of the calls worked in FT8 never appeared in my RTTY log." He logged 369 digital contacts and 639 RTTY contact.

The WW4LL Multi-Single, High Power team made about one-third of its contacts using digital modes. J42L, operating Multi-Single, Low Power from SV2DCD, avoided RTTY altogether, logging 535 contacts.

FT8 co-developer Joe Taylor, K1JT, operating Single Operator Unlimited, Low Power use only FT8, logging 585 contacts. He noted "close to zero" inter-mode interference between RTTY and FT8 signals.

NCJ Digital Contesting Editor Ed Muns, W0YK, said he was very impressed with how the first RTTY Roundup to permit FT8 worked out.

"FT8 has significant advantages for a much larger group of contest participants who are constrained by geography, housing limitations, solar conditions, power, and noise," Muns said. "The amazing explosive growth of FT8 activity since its introduction in mid-2017 also means that there are many more participants for all of us to work in contests."

Muns said he initially didn't believe that RTTY and FT8 could coexist in the same contest. "Of course, like many things we can debate ad infinitum , a little bit of actual experience goes a long way to inform our [preconceived notions]," he added. "I'm very impressed with how it all worked out."

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Bob Sampson  
[K6MBY@olypen.com](mailto:K6MBY@olypen.com)

**From the Mike and Key February Newsletter**

**Flea Market Countdown**

*submitted by Michael, N7WA*

As I write this, we are 4 weeks from the Mike & Key Electronics Show and Swap Meet in Puyallup. Table sales are coming in daily; the first floor is long sold out and the second floor is about 3/4's full. Hopefully, the white stuff outside will be long gone by then.

What we need now are WORKERS.

For Friday, the biggest needs are in the Country Store and Security. Both of these are easy jobs physically (though security involves walking). However, those are the jobs needed after 2PM when we open to our vendors. Between 9AM and 2PM, we still have a need for many people to do Setup which include putting up 300 tables and 600 chairs. Note... we will feed you lunch during Setup.

On Saturday, the biggest needs are ticket sellers (one more each shift), ticket takers, Country store, and hospitality. Then, there is load-out and teardown which requires us to get all those tables put away and the vendors out the door in about 3 hours. ALL HANDS ON DECK!

You can volunteer at <https://mkarc.ivolunteer.com/>. We also allow friends and relatives to participate so have them sign up too.

If you are new to the Club, I recommend being at the February meeting for the program. We will be discussing the logistics of the Swap Meet in detail. If you can't make the meeting, please read the Flea market primer elsewhere in this Relay (though it won't be half as much fun as watching me stumble through the program).

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Editors Note:

There you go CCARC's official invitation to help out at the largest Electronics Show and Swap Meet in the Northwest. Ask myself or Janet Parris, W7JEP what it is like.

## From the Mike and Key February Newsletter

### **What's COOL in ARRL Publications?** submitted by Michael, N7WA

We're an ARRL Club.... sorry, we are an ARRL Special Services Club! Many of us belong to the League and get various League publications. Foremost, of course, is QST and a close runner up, for me personally, is the National Contest Journal (NCJ). Others may subscribe to QEX which directed towards the experimenter and builder and way beyond me most of the time.

As I read my subscriptions, I frequently think *"this is cool, I wonder if anybody else has seen this?"* So I thought I might mention interesting items from the past month. Maybe if you're not an ARRL member, it might be enough to get you interested. And if you have acted upon any of these article or others, let the rest of us know it

#### **February 2019 QST:**

Frankly, not much hit me as super interesting like last month but here a few items you might find of general interest. **From the Mike and Key Newsletter—February 2019**

**Review of the Flex 6400M** - if you are an old timer, you probably remember when *radios in a computer* first showed up. I remember looking at them in Dayton 20 (?) years ago. Now, they don't even look like a computer, checkout the review of the Flex 6400M starting at page 47.

**Crimping Coax** - Remember my program last Spring about crimping coax connectors? Guess the ARRL heard about it too. Everything I taught you is starting on page 44.

**Sprints** - yeah, interesting to me but probably not to you :) page 75.

**Mesh Tunnel** - is this the future of public service? Maybe for Bigfoot or Ramrod? Amateur Radio Emergency Data Network (AREDN) See page 79.

**Changes in ARRL Leadership** - after last year's big dustup within the ARRL Board, there's been a fair turnover in Division Leadership as described starting at page 81.



*Truly a thing of beauty when you add snow...  
N7WA 100 Footer Kent WA*

#### **For Sale (from various estates)**

(all tested as working. I will hold all funds until you're satisfied with purchase)

Icom IC-746 (not Pro) HF/VHF Transceiver \$350  
Two Astron RS-7A power supplies,  
7amps, good for vhf/uhf mobile rigs  
\$40 for the nice looking one, \$25 for the rough looking one  
Standard C56A 2M handheld, works, uses AA batteries \$25  
Kenwood TH75A 2M/440 Handheld, needs new battery, \$35  
Icom IC-27A, 2M FM mobile rig, rough but working, \$40  
Icom IC-47A 440 FM mobile rig, rough but working, \$40



## **CCARC Ham Meeting January 9, 2019**

Meeting opened at 7 p.m. by President Mark Ellington. Pledge of Allegiance.

Introduction of Ham Members and their interests in Ham Radio.

Minutes approved as published in the QTC.

Treasurer: Checking account has \$7773, Savings \$3034, CD \$1058.

President: Looking forward to how things move ahead.

COB: Discussing Field Day. Upcoming classes, Test only in February, other classes in March. Repeater on hold till crew gets back. Striped peak is o.k. Gunderson on hold.

ARES: David spoke about power outage last month. Updates came from members, ie trees down, road closed. Wants to explore Club Members checking with neighbors and can call into ARES using call sign followed by the word "Delta" in case of an emergency.

KSQM gave presentation by Jeff Bangstrom. No commercials, Participant in Great American shakeout.

Broadcast during power outage last month. Different from mainstream media. On the air in December 2008. Has fiber optic line and microwave link to tower. Soon will have link via DSL. Has bunker studio at Blue Mountain site for power outage. Participant in Emergency Alert System. Ham members started radio station.

Presentations of Appreciation Awards to Rosemary, Rick D., Elizabeth and Sheldon, Joe E. and Chuck S.

Nominations for Committees: Field Day presentation by Bill at last meeting. Rick DeWitt AA0RD, will be co-chair, Kathleen N1ERT ARES/CERT/ co-chair for FD?

Need chair for Programs committee, QTC Newsletter-N7BV needs help, and Public Relations.

Health and Welfare-Rosemary Day chair.

Net Coordinator: Cori KF7VZZ, Website Administrator-Bill K7WWP

Please volunteer for a committee, contact Mark K7MAE to volunteer. Many hands make light work.

22 Members present, 1 guest.

Meeting Adjourned 9:10 p.m.

Respectfully submitted,  
Rosemary Day KI7MZH Secretary

**From John Lehto N4JAB:**

His name was Bubba, he was from Mississippi ... And he needed a loan, So ... he walked into a bank in New York City and asked for the loan Officer. He told the loan officer that he was going to Paris for an International Redneck Festival for two weeks and needed to borrow \$5,000; and that he was not a depositor of the bank.

The bank officer told him that the bank would need some form of security for the loan, so the Redneck handed over the keys to a new Ferrari. The car was parked on the street in front of the bank. The Redneck produced the title and everything checked out. The loan officer agreed to hold the car as collateral for the loan and apologized for having to charge 12% interest.

Later, the bank's president and its officers all enjoyed a good laugh at the Redneck from the South for using a \$250,000 Ferrari as collateral for a \$5,000 loan. An employee of the bank then drove the Ferrari into the bank's private underground garage and parked it.

Two weeks later, the Redneck returned, repaid the \$5,000 and the interest of \$23.07. The loan officer said, "Sir, we are very happy to have had your business, and this transaction has worked out very nicely, but we are a little puzzled. While you were away, we checked you out on Dunn & Bradstreet and found that you are a Distinguished Alumni from Ole Miss University, a highly sophisticated investor and Multi-Millionaire with real estate and financial interests all over the world. Your investments include a large number of wind turbines around Sweetwater, Texas.

What puzzles us is, why would you bother to borrow \$5,000?"

The good 'ole boy replied, "Where else in New York City can I park my car for two weeks for only \$23.07 and expect it to be there when I return?"

His name was BUBBA....

Keep an eye on those southern boys!

Just because we talk funny does not mean we are stupid.

# ***ANNOUNCING THE 38th ANNUAL MIKE AND KEY ARC ELECTRONICS SHOW & SWAP MEET***

**MARCH 9, 2019 @ 9AM**

**PAVILION EXHIBITION HALL**

**THE PUYALLUP FAIR & EVENTS CENTER**

**110 9th Avenue SW, Puyallup, WA 98371**

**ADMISSION - \$10 (UNDER 16, FREE w/ADULT)**

**TWO FLOORS WITH 44,000 Sq FEET OF EXHIBITION AREA (>300 tables)**

**TALKIN 146.82/22 (PL 103.5)**

**RADIO GEAR \* COMPUTERS \* CLUB & INFO TABLES \* PARTS**

**SNACK BAR \* FREE PARKING \* CONSIGNMENT AREA**

**OVERNIGHT SC/RV Camping Available \* LICENSE EXAMS**

**Table Reservation Information: (253) 631-3756, ddmdink@gmail.com or n7wa@arrl.net**

**VE Exam Information: (425) 788 0452, ag7t@arrl.net**

## **REGISTRATION TIPS**

**REGISTER EARLY AS TABLES ARE ASSIGNED ON A FIRST COME, FIRST SERVE BASIS AS DETERMINED BY POSTMARK. SPECIFIC LOCATION REQUESTS ARE HONORED ONLY IF THE SPACE IS AVAILABLE. BE FLEXIBLE AND GET GROUP REQUESTS IN EARLY.**

**EXAMPLE ORDERS: 1 TABLE & 1 SELLER = \$34**

As of November 7, 2018

Respectfully, Joe Edwards KI7RBS  
CCARC Treasurer

**FOR SALE or TRADE**

⚡ If you can't hear them, you can't talk to them. I have a couple of spare antennas collecting dust in my shack that it's time to pass along.

ALPHA DELTA DXA This is a multiband twin sloper long wire antenna for 160-80-40 meters. This antenna is new as I decided not to use it. \$75.00

Second is an MFJ-1625 apartment antenna. I won this antenna and have no use for it. This is an 80-6 meter antenna that will take 200 watts. \$55.00

If interested you can get in touch with me at [adwjoe1207@gmail.com](mailto:adwjoe1207@gmail.com).  
Joe Wright KG7JWW

⚡ KN7R has 2 meter 440 band J Poles for sale \$25 with paid up club dues 360 457 4049. 1000 feet off 101 up Blue Mtn Rd



**CCARC Standing Committees**

- Field Day Co-Chairs:** Al Fisk KD7TFK, Sheldon Koehler N7XEI
- Health and Welfare:** Nita Lyman KE7DRT
- Membership Chair:** Joe Edwards KI7RBS
- Net Coordinator:** Cori Rice KF7VZZ
- Public Relations:** Jeannine C Tyler
- Publications (Newsletter):** Chuck Jones N7BV,
- Technical Committee Coordinator:** Doug Welcker, WB4KGY, Bob Sampson K6MBY, Bill Peterson K7WWP, Merrill Terpstra KA7FAM
- VE Education and Training:** Chuck Jones N7BV
- Web Site Administrators:** Bill Peterson K7WWP

**CCARC Special Committees**

**Roster:** Joe Edwards KI7RBS

**NEXT YL Luncheon**

**Cancelled due  
to snow.**

**February 8, 2018**

**Find us on the web at  
www.olyham.net  
Check it out. Lots of  
information about ham  
radio in Clallam County!**

**2019 - CCARC Ladies Luncheon Schedule**

Reservations are made for 11:30 - 2nd Friday of each month

February – Dynasty – 380 E. Washington St. - Sequim  
 March - Fiesta Jalisco - 636 E. Front St. - Port Angeles  
 April - Oak Table - 292 W. Bell - Sequim  
 May - Downriggers - 115 E. Railroad Ave. - Port Angeles  
 June – Black Bear Diner – 1471 E. Washington - Sequim  
 July - Gordy's Pasta and Pizza - 1123 E. First St. - Port Angeles  
 August – Mariners - 609 W. Washington - Sequim  
 September - Cafe Garden - 1506 East 1st St - Port Angeles  
 October – Paradise – 703 No. Sequim Ave – Sequim  
 November - Chestnut Cottage - 929 E. Front - Port Angeles  
 December - Cedars at Dungeness - 1965 Woodcock Rd. - Sequim

| Description                                        | Time/Date                      | Location                                                           | Contact                          |
|----------------------------------------------------|--------------------------------|--------------------------------------------------------------------|----------------------------------|
| Clallam County ARES/RACES meeting                  | 7 pm, 1st Tue of every month   | Clallam County Courthouse EOC,<br>223 E. 4 <sup>th</sup> St., PA   |                                  |
| Clallam County Amateur Radio Club general meeting  | 7 pm, 2d Wed of every month    | Port Angeles Fire Station<br>5th and Laurel, PA                    | Chuck Jones N7BV<br>360-452-4672 |
| Clallam County Amateur Radio Club social breakfast | 8 am, 1st Sat of every month   | Bi-Monthly Joshua's Restaurant,<br>PA & Mariner Restaurant, Sequim | Chuck Jones N7BV<br>360-452-4672 |
| Clallam Country Amateur Radio Club YL social lunch | 11:45 am 2d Fri of every month | Rotates - announced on Thursday<br>night Net (See QTC Newsletter)  |                                  |

[CC-ARC Welcomes new member/s:](#)

**CLUB OFFICERS For 2018**

**President:** Mark Ellington K7DWE 360-460-4043 [gossamer765@gmail.com](mailto:gossamer765@gmail.com)

**Vice President:** Chuck Jones N7BV 360-775-8201 [n7bv@yahoo.com](mailto:n7bv@yahoo.com)

**Secretary:** Rosemary Day KI7MZH 360-457-6895 [rosemaryday2000@yahoo.com](mailto:rosemaryday2000@yahoo.com)

**Treasurer:** Joe Edwards KI7RBS 360-808-5282 [ki7rbs@gmail.com](mailto:ki7rbs@gmail.com)

**Board Chair Person:** Bill Peterson K7WWP 425-678-5753 [billp@alaska.net](mailto:billp@alaska.net)

**Board Member:** Mike Rice KF7VZZ 360-912-2395 [kf7vzz@gmail.com](mailto:kf7vzz@gmail.com)

**Board Member:** Jeannine C Tyler (360) 460-4236 [weblairs@olypen.com](mailto:weblairs@olypen.com)