



CLALLAM COUNTY  
AMATEUR RADIO

QTC  
DECEMBER 19

### **BV RAMBLES:**

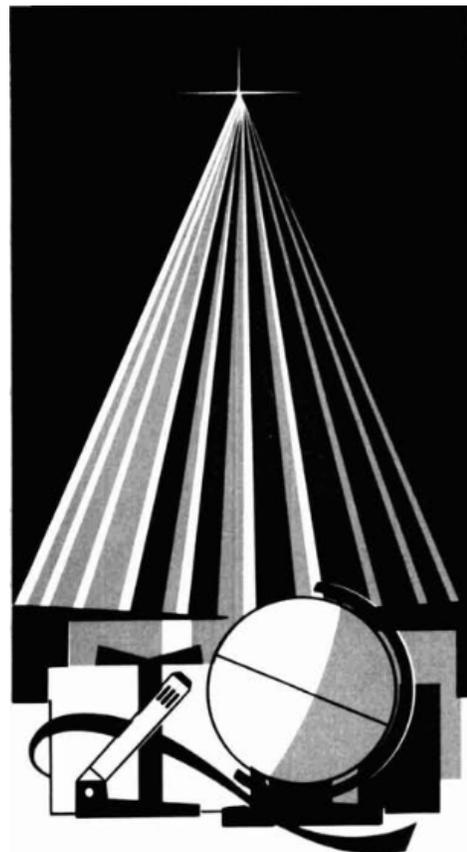
My thanks to Rosemary KI7MZH, Nita KE7DRT Paul W6IAM, Lee, N7KC and Joe KG7JWW for their inputs to this newsletter.

At this weeks general meeting we will hear from Chris Icide, WY7W on a very large horizontal loop HF antenna he recently added to his growing antenna farm just west of Joyce.

73, Chuck N7BV

**REMEMBER: Nominations and elections for officers for next year at the December meeting.**

Ham Radio Magazine Covers. December 1973 & 1975 Merry Christmas one and all!



**AMATEUR RADIO LICENSE CLASS**

**Next class session in the April 2020 timeframe.**

**Chuck Jones N7BV  
ARRL VE-L**

**General Meeting Program**

Very large Horizontal loop by Chris Icide, WY7W.

**TREASURER'S REPORT**

December 2019

Checking Account: \$9534.74  
Savings Account: 3040.78

Membership Report  
97 Active Members

Joe Edwards KI7RBS  
CCARC Treasurer

**CCARC QTC Newsletter**

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

We use ccarcqtcc@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 ccarcqtcc. 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.

## CCARC Board Meeting 12-2-19

Present: Jeramey PMC, Sheldon XEI, Joe RBS, Rosemary MZH, Ross WVG, Jeannine WVD, Cori VZZ, David IMN, Mike AQB.

Meeting opened at 7:00 p.m. by COB Jeramey.

Board Meeting Minutes approved as published in the QTC.

Treasurers report: Checking account \$9534.74. 97 active members.

Proposal to move Board Meeting back to 1<sup>st</sup> Wednesday of the month beginning February 5, 2020 at the PA Fire Station at 7:00 p.m. Discussion and motion approved by the Board. Confirmed by Catherine at the Fire Station. January's Board meeting will be on January 6<sup>th</sup> in the commissioners Room at the Courthouse due to holiday, then will move to the Fire Station the following month.

Discussion on year end duties for the Board: Budget proposal, awards, field day reservations, Nominations for officers for 2020.

Christmas Party at Smugglers Landing, Saturday December 21<sup>st</sup> at 5:30 p.m. Please RSVP to Sheldon if you are planning to attend so he can give a head count to them.

ARES: Would like new list for check in's for Thursday night net. Gunderson should be operational in the Spring. Requested funds for ARES from the Firework Sales. ARES donated a uhf radio to Gunderson project.

Next program: Horizontal loop by Chris Icide.

Meeting adjourned at 7:45 p.m.

Respectfully submitted,

Rosemary Day KI7MZH  
Secretary

CCARC Ham Meeting 11-13-19

Meeting opened at 7:03 p.m. by Vice-President Sheldon Koehler. Pledge of Allegiance.

Secretary: Minutes Approved as published in the QTC.

Treasurers report: Checking account \$9289, Savings \$3040, CD \$1000. 97 Active members.

Repeater update: Chuck S. reported last Friday the jumpers were replaced on the VHF stick at Striped Peak. The Beam was placed for the Gunderson link.

Gunderson has installed the tower on the building. Everything else is on hold until springtime when the equipment in the Forks Police Department will be moved to the tower.

The rest of the package will then be installed and tested.

Hex Beam presentation: The tale of the 2 Hex Beams was presented by Dennis.

Dennis built his Beam, Rosemary purchased the kit.

Comparable to a 2 element size Yagi Beam. Features 6 Bands with low SWR. Broadband characters. Low weight and low wind. Uses general hardware components and ease of adjustment.

Forward gain 5.1 dBd, Front to back 20dB. VSWR <2.1 across the bands.

Original beam was 19 feet across and designed in the 90's. Now W form replaced with U shape design and 22 feet across. Uses Current chokes and feed point columns. Rosemary used hinge point with push up mast, Dennis has tower. Both are guyed. Each used CDE rotors.

Bearings on Rosemary's used cutting board pieces for bearings, because the mast rotates. Pictures of both installations were presented.

Thanks to all who helped install the 2 beams. Thank you to Dennis for the presentation.

Sheldon had demo on Geochron Clock. Pi clock with digital version. Uses 40 inch T.V.. A fraction of cost versus mechanical clock. Shows grayline, where satellites are in space. More info at [geochron.com](http://geochron.com).

Nominations for officers: Open offices: President, Vice-President and first year Board Member. Please volunteer for one of the positions available. At the December meeting elections will be held.

Christmas Party: Reservation for Saturday December 21<sup>st</sup>, 5:30 p.m. at Smugglers Landing. Cost is \$25 each for members and their spouses. \$30 for additional persons. Club is subsidizing a \$5 cost for members and spouses. Menu to follow.

Adjourned at 8:10 p.m.

27 members 2 guests

Respectfully submitted,

Rosemary Day KI7MZH  
Secretary

## **A winter project - restoring a 1937 console radio - Part 1**

Paul Honore W6IAM

Recently, my daughter , Michelle, and her significant other, Brian, (I can't believe I said something politically correct). drove up from Oregon to help me through a week of cataract surgery and follow up appointments. Thank God for daughters. They presented me with another vintage radio to restore - a challenging winter project. It's a handsome wooden cabinet of a more familiar stripe than the steel housed Atwater Kent receiver I restored and wrote about last winter. The wood cabinet contains a 15 tube multi-band AM/short wave receiver chassis and two 12 inch loudspeakers.

A google search revealed it to be a 1937 Detrola Model 163.

Despite it's pristine outward appearance a close inspection of the innards revealed many missing and broken parts along with the usual infestation of creepy crawlies including some interesting spiders that lent a new interpretation to the term "web sight". The model 163 is something of an anomaly. being a relatively expensive product at the height of the great depression and built by a company formed in 1931 to mass produce cheap radios under dozens of brand names for sale by department stores. It remained in production for only a year. A cursory inspection of the wiring indicates that it was indeed cheaply and quickly assembled. Out of sight, etc., and it had been repaired rather haphazardly perhaps several times during its working lifespan.

The first step in restoration was to remove the radio chassis and loudspeakers from the cabinet and clean them thoroughly. Vacuum tube pinouts were obtained from a 1971 edition of the Radio Amateur's Handbook. You'll find that an older edition of the handbook will contain a wealth of useful information such as this. Get hold of an old one if you can and cherish it as if it were gold bullion. If you are restoring a piece of unfamiliar equipment it is essential to obtain as much information as you can about it before applying power. In this case, I discovered that a full complement of vacuum tubes were included but several of them were plugged into the wrong sockets. Powering the radio the way it was configured would surely have ended in smoke and possibly worse.

With the chassis cleaned and laid out on the workbench, all vacuum tubes removed and carefully stored, and every piece of documentation available in hand, I'm ready to begin testing and aligning the radio circuit by circuit. I'll keep you posted of progress.

## Sweepstakes Saga

The ARRL November SSB Sweepstakes was held on the 16 and 17th of November.

This was the third year I have participated in the Sweepstakes contest.

I was excited to see how the new Hex Beam would perform. The contest started at 1 pm (2100 UTC) Saturday and ended Sunday at 7 pm (0300) UTC.

I use N1MM for a contest program. You are allowed to count your points for 24 of the 30 hours of the contest. You had to give their calls sign, a sequential number, your power level, ( mine was low, A), your call sign, the year you were licensed and the ARRL section you live in. Keeping them straight was fun!

Saturday I started going up and down the 20 meter band searching and pouncing. There were stations all over the band!! I was pointed mostly to the East. I got 34 contacts till it got dark and the band shut down. I was up at 7:30 Sunday morning and they're were still plenty of people out there.

My goal was to get 100 contacts. I got 101 before I quit at 2:30 in the afternoon. I had bought a new headset and my ears were getting sore by the time I quit!

It was interesting to note of the 100 contacts 8% were single, low power ops like me. I didn't contact any hams that had the 2017 year for licensing. The closest was 2012. Guess I'm a real newbie to contesting.

I was going to call CQ but chickened out as I have trouble in transposing call signs and hearing them correctly especially when they don't use the ITU phonetic alphabet. The next contest is less intimidating so my goal is to call CQ.

The Hex Beam works fantastic! This contest is hard but fun too.

Rosemary KI7MZH

Editor's Note. From the ARRL - The ARRL's annual November Sweepstakes is the oldest domestic contest, beginning in 1930. Sweepstakes paused during World War II but came back stronger than ever. It's a competition between North American stations—individuals, teams, and clubs. The contest is somewhat unique in that each station may only be contacted once and the number of different recognized locations ("multipliers") is limited to the ARRL and RAC sections. Working all of the sections is called a "Clean Sweep" and allows the station to claim one of the coveted Clean Sweep coffee mugs—there are other awards, as well.

### **November SSB Sweepstakes continued. Chuck Jones N7BV**

For a couple of years now I have had it in the back of my mind to try out the Amazon Poly Speech Synthesizer API voices for macros in an SSB contest. W1VE wrote a great program which allows one to get started using this without all the knowledge and hassle of using the Amazon program directly. It is limited to three male and four female voices.

Why do this? Several reasons, save on ones own voice by being able to call CQ and other repetitive needed items. As I got/get older my voice gives out much quicker than in my youth. Having heard several stations using this over the last couple of years and in their published contest notes, noting they never had to use a microphone, just the computer generated files. This benefits peace in the family—no shouting into the mic when others are sleeping.

It took me two days of fiddling to get the files working with my rig setup. As the contest started I began to realize several things—#1 was I had to go back and redo may of my phrases for better timing with my radio's keying so as not to clip off the beginnings or endings of my transmission; #2 was to get over the snide remarks of those who did not like the sound of the recorded messages (my wife says they sound like the audio processed TV advertisements of the past not unpleasant but annoying). This is because the audio files using Amazon voicing are processed to have the valleys of the voice wave form filled in so the overall power output is greater than the none processed voice. While it was apparent some people didn't like them—no one asked for a repeat because the transmissions were unintelligible This was the thing I found most intriguing about the stations that were using this type of processing, while different, the clarity was great.

I only made 96 QSO's and 56 sections; I was please with how it all came together and plan on using this in more SSB contests in the future.

73, Chuck



**From Nita Lyman**

To:QTCnl

Dec 4 at 9:10 PM

A little trivia quiz from QRZ. Want the answers, go take the quiz! Or ask at the meeting ☐

1. If you want to receive SSB on a direct conversion receiver @ 3.67 MHz, what frequency should you Sent the local oscillator to?
  - A. 3.7 MHz
  - B. 455 KHz
  - C. 3.67 MHz
  - D. 3.64 MGs
2. There is no difference between the orbits of geosynchronous and geostationary satellites. True or false??
3. In what year was Samuel Finley Breeze Morse born?
  - A. 1790
  - B. 1791
  - C. 1800
  - D. 1835
4. Which statement about a three element Yagi antenna is true?
  - A. Low feed point impedance increases bandwidth.
  - B. The reflector is normally the shortest parasitic element.
  - C. The driven element is the longest parasitic element.
  - D. The director is normally the shortest parasitic element.
5. You insert a simple SWR indicator into your 50 ohm coaxial feed line. It indicates an SEE if 4:1. What size resistor at the end of the line would give such a reading?
  - A. 400
  - B. 160
  - C. 200
  - D. 125
5. What was the true name of Hedy Lamarr, one of the co-holders of the 1942 patent for frequency hopping or spread spectrum radio?
  - A. Martina Tannenbaum
  - B. Hedwig Kiesler
  - C. Helga Schwartz
  - D. Inga Broede
6. What is the abbreviation for the Amateur Radio Society in Papua New Guinea?
  - A. ARSPNG
  - B. PNGARS
  - C. SOARPNG
  - D. PNGRRL
7. After WWI, when was the ban lifted on Amateur transmission?
  - A. 1919
  - B. 1920
  - C. 1921
  - D. 1922
8. What is an Austin Ring Transformer used for?
  - A. Lightning protection for all towers.
  - B. Passed AC for tower lightning on a series fed antenna tower.
  - C. Impedance match to feed RF to a shunt feed antenna tower.
  - D. Power supply for antenna remote matching unit.

I thought this was a good quiz so wanted to share.

☐Merry Christmas to one and all☐

**STRAYS STRAYS STRAYS STRAYS**

REMEMBER: **Nominations and election for officers for next year at the December meeting.**

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ARRL to Launch New On the Air Magazine in January, see <http://www.arrl.org/arrlletter/?issue=2019-10-24>

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**CCARC Christmas Party!**

**Date: December 21<sup>st</sup>**

**Time: 1730**

**Place: Smugglers Landing (upstairs meeting room)  
115 E Railroad Ave, Port Angeles, WA 98362**

**Cost: \$25 each if member or spouse. \$30 each for others.**

**Please RSVP to [sheldonk@gmail.com](mailto:sheldonk@gmail.com) by 12/17/2019**

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[https://airspy.com/downloads/TSM\\_Sep2019.pdf](https://airspy.com/downloads/TSM_Sep2019.pdf) reviews the latest SDR receiver which is smaller than size of a pack of cigarettes for \$169. This receiver will out perform most middle and upper middle cost transceiver receivers. Over the Black Friday weekend they were on sale for 30% off.

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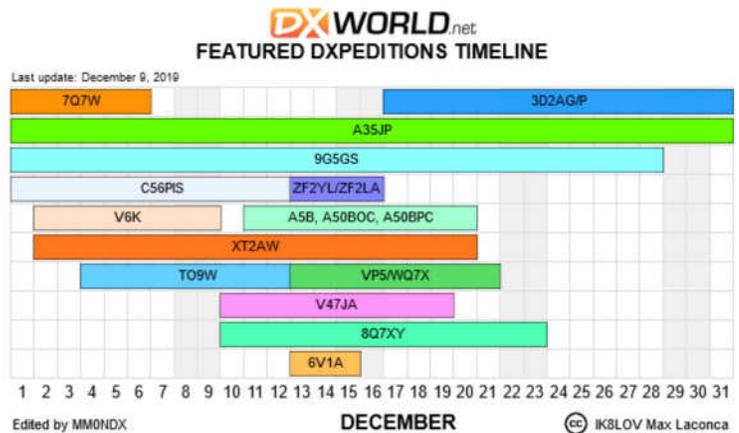
<http://www.jackbinns.org/morejackbinns.html> The Collision, the rescue, and its aftermath of the Republic-Florida collision from which as many people were rescued from the Republic-Florida collision as died in the sinking of the Titanic. But the sinking of the Titanic may have been the consequence of this success...

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Lee, N7KC passes this along: Check this... <https://www.youtube.com/watch?v=LPatvv85PJE>

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 The following DXpedition monthly chart is FREE to download from [DXworld.net](http://DXworld.net) an online DX newservice.



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**FleaMarket SALE:**

**Your items could have gone here!!**



**CCARC Standing Committees**

- Field Day:** Sheldon Koehler N7XEI
- Health and Welfare:** Nita 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
- VE Education and Training:** Chuck Jones N7BV
- Web Site Administrator:** Bill Peterson K7WWP

**CCARC Special Committees**

**Roster:** Joe Edwards KI7RBS



We build strength, stability, self-reliance and shelter.

## Gifts-in-Kind \* Construction Wish List

**Materials:** Donated or deeply discounted construction materials, equipment, as well as skilled labor, supplies, and land - are known as "Gifts in Kind" (GIK), and help power the Habitat mission, just like cash. If you are interested in donating lumber, bulk building or construction materials, or land to our next build please contact us.

All Gifts-in-Kind donations receive a letter from Habitat for Humanity of Clallam County for their donation. Your gift is often tax deductible (consult your tax professional for details).

**Labor:** We also need skilled labor on the build site including roofing, drywall, and plumbing labor, plus skilled electricians. If you are a building professional or have a talent that you think can benefit Habitat Clallam, please contact us.

**Land:** With rising prices, securing land in Clallam County for Habitat Clallam home build projects becomes more challenging. Land is the single biggest expense involved in building a Habitat home. If you are aware of a parcel of land in the area that may be available, we would like to talk to you! Habitat Clallam also purchases land at fair appraisal value. If you know of a property or would like to speak to us about the sale or donation of your property, please contact our office!

We like to recognize our business donors in various ways, such as through our website, Facebook pages, social media, and newsletter or on banners in our Habitat Store.

Thank you for your consideration of our Gifts-in-Kind program,  
*Colleen Robinson*, Executive Director

**NEXT YL Luncheon**

**December 13**  
**Cedars at Dungeness**  
**1965 Woodcock RD**  
**Sequim**

*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

**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, 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 5th and Laurel, PA	
Clallam County Amateur Radio Club social breakfast	8 am, 1st Sat of every month	Bi-Monthly Joshua's Restaurant, PA & Mariner Restaurant, Sequim	
Clallam Country Amateur Radio Club YL social lunch	11:45 am 2d Fri of every month	Rotates - announced on Thursday night Net (See QTC Newsletter)	

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

NFI

**CLUB OFFICERS For 2019**

**President:** Ross Tyler KI7WVG

**Vice President:** [Sheldon Koehler, N7XEI](#) 360-670-4799

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

**Treasurer:** Joe Edwards KI7RBS : 360-912-5596 [ki7rbs@gmail.com](mailto:ki7rbs@gmail.com)

**Board Chair Person:** Jeramey Johnson, KF7PMC

**Board Member:** Cori 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)