



CLALLAM COUNTY
AMATEUR RADIO

QTC
JANUARY 20

BV RAMBLES:

Welcome to the New Year, 2020 and a new decade. I presume you have made New Year resolution/s or promises, perhaps we should make some for the club.

Lets make a resolution the club is the club and works towards expanding Amateur Radio through getting people on the air, expanding knowledge needed for yourself and your own station.

if you took away people getting their license to joining ARES (to be available to help when the big one hits) there has been almost zero for people joining for the hobby of ham radio and for youth joining - zero. Zero youth (?), despite local hams working at the Boys and Girls club and the ARC reaching out to the Boy and Girl Scout for Field Day and including activities especially for them, not a single youth took our classes or exam sessions this year.

The club should think about giving a night class in amateur radio at the college. This could possible be an accredited class or a night school class. I have and continue to keep in contact with some of the influential members of the amateur radio community about how to get people involved. Ward, N0AX mention to me maybe college students might be a better target because of their age and maturity.

Take some time to read in on an Email thread started by Wayne, N6KR (one of the owners of Elecraft Radio Co.). <https://www.mail-archive.com/elecraft@mailman.qth.net/msg236102.html> I agree with the points made by people like Dave, AB7E and others. The one that set me back was Dave's "how much time you spend each week reading email reflectors versus being on the air (other than in a contest)". This is me, ugh! So while I put about 4,000 Contest QSO's in the log every year I need to try to be on the air more regularly.

The ARRL is thinking of making online distribution of their magazines QEX and NCJ. QEX is about thirty pages of technical articles bi monthly; NCJ is the National Contest Journal another 30 pages or so of operation and technical articles for contesters. These online magazines would be free with ARRL membership.

More to say but running out of room. Lets see what the club repeat the club can do this year. 73, Chuck

AMATEUR RADIO LICENSE CLASS

Next class session in the April 2020 timeframe.

**Chuck Jones N7BV
ARRL VE-L**

General Meeting Program

Dennis AD7TV will speak on all things SWR.

TREASURER'S REPORT

As of 06 January 2020

Checking Account: \$9243.00
Savings Account: 3042.05

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.

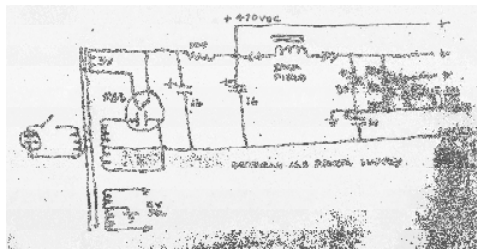
W7FEL Repeater: 146.76 MHz, offset down 600 KHz. with a tone of 100 Hz.

Detrola radio restoration article Part 2

Paul Honore W6IAM

I said I would keep you informed of progress as I attempted to restore a 1937 Detrola console radio so here goes. Having removed all the vacuum tubes, cleaned the chassis thoroughly and installed a fuse in the power line (there was none in the original radio) I switched on the power to see what would happen. To my delight the power transformer hummed to life and the 6V incandescent lamps in the tuning dial came on with a satisfying glow. Encouraged by initial success I powered down, plugged in the rectifier tube, and powered up again. All seemed aright for about a millisecond then the room filled with acrid smoke -- an evil omen. The smoke came from a hot electrolytic filter capacitor - no surprise as this is an 85 year old radio but the fault portended things to come. I would have to proceed slowly and carefully.

I traced the power revealed a full wave the loudspeaker field (I have included a section for refer- electrolytic filter capacitor goes bad, the so I decided to re- cating high voltage capacitors proved problematic. Since modern radios are transistorized with low voltage power supplies, most manufacturers stopped making high voltage electrolytic capacitors years ago. An internet search turned up exact replacement values for two of them and approximate values for the rest from a source in Canada.. 500 V working voltages were the maximum offered. I would have preferred at least 600 volt capacitors to give a safety margin.



supply wiring and it supply using one of coils as a filter choke. diagram of the power ence.) There are five capacitors in all. Expect that when one capacitor are sure to follow place all of them. Lo-

The connecting cable between the radio chassis and loudspeakers was too short to reach for servicing so I replaced the speaker field coil with a temporary resistor, It should suffice to do further preliminary checks until I am ready for final alignment. After replacing the filter capacitors, I let the power supply run for 30 minutes. 470VDC output and no smoke. Looks like I am ready to proceed to the next step.

CCARC Ham Meeting 12-11-19

Meeting opened at 7:04 by President Ross Tyler

Pledge of Allegiance. Ham meeting minutes approved as published in the QTC

Vice President: Christmas Party Buffet style at Smugglers Landing December 21 at 5:30 p.m.

Treasurer report: Checking account \$9504.74, Savings \$3041.40 97 active members.
Suggestion to transfer some of checking into savings to gain interest. Will submit to Board.

COB: Service awards and lifetime membership award

* Al Fisk, Bob Pensworth, Chuck Jones

* Lifetime memberships to Bob Sampson, Doug Welker and Chuck Stroehner

Net Coordinator: Need new Net Control Operators for Thursday Net. Reminder, if unable to perform duty for that evening, please get a sub. Contact Cori to volunteer.

Tech Committee: Replaced feed line pigtail 76 antenna. Can reach to Lynnwood. Weather permitting, at end of March or April to get Gunderson up. The Rohn 25 antenna is up. Not need a climber, will use gin pole. Need coordination with hospital contact only. Ellis is moving slowly thru county process. Ask government for money for shopping list. Then WAIT.

VE, Newsletter, Health and Welfare, PR: nothing to report.

ARES Drill in February. Snowstorm with power out exercise. Jim B. has new presentation. ARES request was tabled to the next Board Meeting.

Officer elections: Ross Tyler-President, nominated and approved: Jeramey Johnson-Vice President, nominated and approved: Rosemary Day-Secretary, nominated and approved: Joe Edwards-Treasurer- nominated and approved: 1st year Board member- Dennis Tilton and Cliff Keely nominated, Dennis was elected. Elections closed.

Presentation: By Chris Icide on Horizontal Loop

WYZW horizontal loop. RF lasso in the trees.

Wanted to get on 160 and 80 meters with full power, with no radial fields. Omni directional. Hopefully will survive the weather. Has ladder line with a tuner. Loop properties: 1 wave length, Lobes ??

Loop design has a good sag. Used 960' of #14 g. wire. One side 110' drooped to 75'. Used a launcher to put wire in trees. Tree support using 2 rope loops, weighted down with barbells, chain and bucket of rocks. Feed line using 4:1 balun. Graphs of SWR predictions. Performance on WSPR, on all bands. Was pleased with the performance of the loop. Will post on website.

Meeting adjourned at 8:40 p.m. 25 members 1 guest

Respectfully submitted,

Rosemary Day KI7MZH
Secretary

Ongoing Saga at KI7MZH

Last month I purchased a Swan 1500Z Linear Amplifier from Dennis. After the holidays I was able to have Mark install it and Dennis coached me on how to use it. I was afraid I was going to burn it out, but did successfully tune it at 53 Watts with a dummy load. When I set it up on the Hex Beam I found I had to adjust the power setting to 35 Watts to keep the power output under the red line. Will keep practicing using it! Should be able to be heard by many more in Radio land!

This weekend I went over to Chuck Jones house to participate in a RTTY contest. He had everything set up as he has contested on RTTY for a very long time. Getting used to the mouse keys took a bit of time to coordinate when to click on the call sign and send a signal report, wait for their report and then log it into N1MM if their state was in the log base. He was always saying "right click"!! I did search and pounce on 20 meters Saturday and Sunday called CQ. You have to listen and watch on the computer screen for a difference in the digital sound. This meant there was a caller on the end of the

CQ, which meant that you had to end the CQ call quickly and click on the callers sign. Coordinating these together took some practice. By the end of the day I pretty much had it down, minus the times I was in the wrong screen and had to close and jump to the other one. I do like calling CQ. We garnered 376 QSO's. Was a lot of fun and didn't have to voice with anyone.

My next step is to set up MMTTY on my computer. We'll see how that goes. When I successfully do, I can contest on another mode. There aren't too many RTTY contests, so will make my last goal to learn CW so I can contest on any of the modes!

73 Rosemary

STRAYS STRAYS STRAYS STRAYS

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The new AirSpy SDR receiver wins an award. <https://sdr-radio.groups.io/g/main/topic/69465773>

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<https://www.onallbands.com/arri-on-the-air-magazine-a-new-reference-for-new-ham-radio-operators/> Log on and sign up

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Have a large format printer? Here is a website with files for printing large posters of the frequency spectrum. <https://macijauskas.org/shortwave/>

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Here's something to share with everyone for their emergency preparedness equipment!

https://www.amazon.com/dp/B07999WR3M/ref=sspa_dk_detail_0?psc=1&pd_rd_i=B07999WR3M&pd_rd_w=vSjG4&pf_rd_p=c83c55b0-5d97-454a-a592-a891098a9709&pd_rd_wg=GBACf&pf_rd_r=21RN7D22DEHTQXAFR9Q5&pd_rd_r=ce1303a3-d601-4fd7-82dd-fcf3b7eb4440&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyVjY3J5cHRlZElkPUEwNzEzNjY5MUFNMINQSZBLMk1KMCZlbnNyeXB0ZW50ZWRBZElkPUEwNDE4MTgyMUdHWTBMVjVNV1AyWiZ3aWRnZXROYW1IPXNwX2RldGFpbF90aGVtYXRpYyZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU=

Joe Wright
KG7JWW

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I forgot to mention that "Calling CQ Adventures of Short-Wave Radio Operators" is a very readable collection of true short stories about the adventures of ham radio operators.

https://www.google.com/books/edition/American_Electrician/zQU0AQAAMAAJ?hl=en&gbpv=1&dq=%22american+electrician%22+july+1899&pg=PA344&printsec=frontcover

This is the first practical construction article about how to build a functioning radio transmitter and receiver out of electrical and telegraph parts that could be readily purchased "off the shelf." It was published in "American Electrician" in July 1899. The article is reprinted here:

<https://earlyradiohistory.us/1899nd.htm>

73 Frank W3LPL

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We have a special event coming up next month out here on the West End and Ham Radio will be there! Take a look at Page 7.

Joe Wright
KG7JWW
The Twilight Zone
The Real Western Washington

Quileute Head Start Presents...

Family First Aid Night

February 6th, 2020

5:30-8 pm

Akalat in LaPush

This is an evening dedicated to educating families on how to prevent, treat, or respond to medical and other emergencies. We also present information on emergency preparedness, basic health, health/safety resources, community agencies, family services, and so much more! Disasters, trauma, injuries, and emergencies often give little to no warning before they strike. Our goal is to reach out to families and provide them with as many health and safety resources as possible and to educate them on how to prevent, treat, or respond to emergencies, disasters, and other life threatening situations.. There will be more than 40 different teams of presenters that will be present to speak about, and demonstrate techniques on, the following topics:

- | | | |
|-----------------------------|--|------------------------------|
| • Choking/Obstructed Airway | • FREE Car Seat Checks | • Fitness Safety |
| • CPR | • Concussion | • Community and Disaster |
| • Severe Bleeding | • Medicine Usage/Dosage | • Preparedness |
| • Burns, Hypothermia | • Drug Identification | • Child Abuse Reporting |
| • Broken Bones | • Poison Control | • Crisis Line |
| • Car Safety/Accidents | • First Aid Kits | • Electrical Safety |
| • Pedestrian Safety | • Elder Health and Safety | • Developmental Disabilities |
| • Seizures | • Bullying/School Safety | • Hunter Safety/Gun Safety |
| • Distracted Driving | • Community Safety | • Self Defense |
| • Domestic Violence | • Consumer Protection | • Child Advocacy |
| • ER versus Clinic Visits | • Search & Rescue | • Legal Services |
| • Water Safety | • Human Trafficking/Child Safety (FBI Liaison) | • And many more..... |
| • Fire Safety | • 911 Call Booth for Children | |
| • Car Seat Safety | | |

There will be a helicopter, ambulance, Sheriff's Dept. rescue boat, and a firetruck on site to check out!

There will also be prize raffles.

Dinner will be served at 6:00 pm.

For more information : 374-2631



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The following DXpedition monthly chart is FREE to download from DXworld.net an online DX news service.



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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

ZCZC AG01
 QST de W1AW
 ARRL Bulletin 1 ARLB001
 From ARRL Headquarters
 Newington CT January 2, 2020
 To all radio amateurs

SB QST ARL ARLB001
 ARLB001 W1AW 2020 Winter Operating Schedule

Morning Schedule:

Time	Mode	Days
1400 UTC (9 AM EST)	CWs	Wed, Fri
1400 UTC (9 AM EST)	CWf	Tue, Thu

Daily Visitor Operating Hours:

1500 UTC to 1700 UTC - (10 AM to 12 PM EST)
 1800 UTC to 2045 UTC - (1 PM to 3:45 PM EST)

(Station closed 1700 to 1800 UTC (12 PM to 1 PM EST))

Afternoon/Evening Schedule:

2100 UTC (4 PM EST)	CWf	Mon, Wed, Fri
2100 " "	CWs	Tue, Thu
2200 " (5 PM EST)	CWb	Daily
2300 " (6 PM EST)	DIGITAL	Daily
0000 " (7 PM EST)	CWs	Mon, Wed, Fri
0000 " "	CWf	Tue, Thu
0100 " (8 PM EST)	CWb	Daily
0200 " (9 PM EST)	DIGITAL	Daily
0245 " (9:45 PM EST)	VOICE	Daily
0300 " (10 PM EST)	CWf	Mon, Wed, Fri
0300 " "	CWs	Tue, Thu
0400 " (11 PM EST)	CWb	Daily

Frequencies (MHz)

CW: 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675
 28.0675 50.350 147.555
 DIGITAL: - 3.5975 7.095 14.095 18.1025 21.095
 28.095 50.350 147.555
 VOICE: 1.855 3.990 7.290 14.290 18.160 21.390
 28.590 50.350 147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM
 CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud), BPSK31 and MFSK16 in a revolving schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2330 UTC (6:30 PM EST), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0100 UTC (8 PM EST) Thursdays and 0100 UTC (8 PM EST) Fridays.

Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here as well. The audio is sent in real-time and runs concurrently with W1AW's regular transmission schedule.

All users who connect to the conference server are muted. Please note that any questions or comments about this server should not be sent via the "Text" window in EchoLink. Please direct any questions or comments to w1aw@arrl.org.

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Digital at 15 minutes past the hour, and CW on the half hour.

All licensed amateurs may operate the station from 1500 UTC to 1700 UTC (10 AM to 12 PM EST), and then from 1800 UTC to 2045 UTC (1 PM to 3:45 PM EST) Monday through Friday. Be sure to bring your current FCC amateur radio license or a photocopy.

The W1AW Operating Schedule may also be found on page 91 in the January 2020 issue of QST or on the web at <http://www.arrl.org/w1aw-operating-schedule>.
 NNNN
 /EX

NEXT YL Luncheon**ASIAN BUFFET
Port Angeles****January 10, 2020**

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

2020 - 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, 223 E. 4 th 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:** Jeramey Johnson, KF7PMC**Secretary:** Rosemary Day KI7MZH 360-457-6895 rosemaryday2000@yahoo.com**Treasurer:** Joe Edwards KI7RBS : 360-912-5596 ki7rbs@gmail.com**Board Chair Person:** Cori Rice KF7VZZ 360-912-2395 kf7vzz@gmail.com**Board Member:** Jeannine C Tyler (360) 460-4236 weblairs@olypen.com**Board Member:** Dennis Tilton AD7TV