



CLALLAM COUNTY
AMATEUR RADIO
CLUB

QTC
AUGUST 19

BV RAMBLES:

My thanks to Doug WB4KGY; Paul W6IAM for supporting the newsletter this month.

The Pacific North West DX Convention this past weekend was one of the best I have attended in my 20+ years of living in the North West. On page eight is my report on the convention.

Summer is a time you might want to think about cleaning some outdoor installations to prepare them for the winter months. It is a lot more pleasant to stand around and clean things with a glass of ice tea nearby than clean up in the winter!

I note some of you participated in the FT8 Contests back in December and in January. Well there is a new world-wide Digi contest coming and they are going to have practice sessions to help newcomers and old-timers with getting going. The [World Wide Digi DX contest](#) sponsors are [suggesting some practice sessions](#) to help those that are familiar with *WSJT-X* and its peers but not as familiar with contest operation. Realistically, FT modes for contesting are new to all of us. The 1-hour practice sessions will take place August 9, 16, 23, and 30 at 1900 UTC, and August 10, 17, 24, and 31 at 0100 UTC. According to Ed, W0YK, the session times are "...not ideal for some parts of the world beyond EU and NA, but scheduling gets complex and confusing otherwise." Logs for the practice sessions will be [collected and scored](#).

From The ARRL Contest Update for August 7, 2019 <http://www.arrl.org/contests/update/?issue=2019-08-07>

Jim, K9YC, has shared his 89-slide presentation from the Northern California Contest Club's Contest Academy on inter-station interference: "It's intended as an overview, attempting to itemize all the factors that contribute to the problem and all of the station-building measures that can minimize the problems. Read it at <http://k9yc.com/Multi-Station.pdf>"

This would be good stuff for Field Day planning to prevent or address any interference problems.

That's about.

73, Chuck N7BV

Get Your License Here!

**Chuck Jones N7BV
ARRL VE-L**

General Meeting Program

Nothing Received

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 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 Ham Meeting July 10, 2019

Meeting opened at 7:00 pm. By President Ross Tyler. Pledge of Allegiance.

David M had appreciation award for Sheldon. Purple finger award, with front of the line privileges!!

Secretary read last month minutes, approved as read.

President: At last Board meeting another person is needed as liaison between ARES and club. Ross volunteered. Discussion if needed contact name and number for the club. Ross agreed to have name and number published. Any other member can be contacted through the website.

Treasurer: \$11,905 in checking. We still have funds to turn over to TNT for the fireworks sale, they had not given us a figure yet. 91 active members.

Fireworks: We grossed \$17+K in sales this year. KUDOS to all who helped. Next year Field Day and Fireworks start on the same weekend. The commissioners have not banned them. Nita and Rosemary volunteered to Chair Fireworks for next year. Some members who contest at Mike and Key will not be available next year on the weekend to help.

Repeater: Doug said they have collected everything for physical installation they need at the moment for Gunderson. At Striped Peak the linking radio shelf to Gunderson was removed for radio and filtering updates. Checked repeater output still 5:1 SWR due to a bad jumper at the antenna. When the new Gunderson antenna is installed, new jumpers will be installed on the 2 M & 440 link antennas.

Ellis: Ed is pursuing dollars for project. It will be a stand alone repeater system and include an APRS. There will be 2 separate systems and independent of each other. Coordination for Gunderson repeater was approved by the WVARA. Doug wants to have a repeater party in the next 2 weeks for making connectors. Contact him if you are able to help.

VEL has dates set for fall. Will announce dates later.

Field Day: had 262 contacts and 16 GOTA contacts. Scouts had 3 scouts show up with their leaders.

Next year more kids we hope. Everyone had a good time. CW seat was hard even for the adults but fun.

Newsletter: Good response from people.

Health and Welfare: Bob S. doing OK. Bill P. had surgery, will send a card.

ARES: 3 radios received are in repair so new members can borrow until they acquire a radio.

Radioactive: Sheldon, we do not use the repeater as much as we could. Would like to have a morning coffee traffic net. Very informal but good practice for all and mike time. Good idea from the club members.

Adjourned at 8:10 p.m. 24 Members 1 Guest

Respectfully submitted,
Rosemary Day KI7MZH
Secretary

Keep an eye on the man behind the curtain

Paul Honore W6IAM

We tend to take for granted the slices of radio spectrum we are accustomed to use but they were not always there and they can suddenly disappear, especially in today's consumer-lust for interconnected gadgetry. Enjoy your hobby but keep one eye on the man behind the curtain. He gives generously of what he considers useless but he's likely to take back what we demonstrate to be useful after all.

Not long after Marconi achieved trans-Atlantic radio transmission everyone with a minimum of technical savvy was on the air with a spark gap transmitter, interfering with each other and everything else within range. Experimenters of the day were unlicensed and chaos prevailed until our involvement in WW-I. All amateur activity was shut down for the duration by federal order, Not only amateur transmitters were forbidden but also receivers! I don't know how that regulation was enforced but I suspect it was next to impossible.

When the war ended in 1918, chaos resumed as amateurs and commercial broadcasters vied with each other for space and attention. Clearly some kind of regulation was needed and the FRC (Federal Radio Commission) was formed to bring a measure of sanity to hand. At the time, everything above 200MHz was considered useless so that portion of the radio spectrum went largely unexplored. The FRC was replaced by the FCC (Federal Communications Commission) in 1934. The FCC intervened by allocating all electromagnetic spectrum below 200 MHz for commercial use and slices of the spectrum at 100, 80, 40, 20, 10 and 5 meters to amateurs. Problem solved. The frequencies allotted to amateur use were considered to be worthless for effective transmission but for the privilege of using them, amateurs had to demonstrate their technical knowledge and were required to obtain a license to transmit.

Amateurs finally had their own bands to experiment with and they quickly found them to be far superior for long range transmission (DXing) than the recognized commercial frequencies. Working in home workshops, they were soon making important improvements in radio technology which were exploited free of charge by the commercial market. In the 1930s the amateur community was thrown another "useless" bone in the form of VHF and UHFbands -- hard to work with using vacuum tube technology of the time. It was not until the availability of transistors that the VHF portion of the spectrum became popular among amateurs. (2 meters is currently the most heavily used amateur band and also coveted by multiple industrial interests).

When Pearl Harbor was attacked, amateur radio transmission in the U.S. was again shut down for the duration of WW-II but this time listening was encouraged. (A good thing for me because I was experimenting with short wave receivers and it gave me an opportunity to learn Morse code and develop my speed with it). At war's end the surplus market was flooded with transmitting crystals which had been standard for military use, manufactured by the gazillion and unloaded as surplus for a quarter each - affordable to a high school kid with limited income and a voracious appetite for radio parts. But the war brought a mixed bag of plusses and minuses to the amateur community. For instance the 160 meter band was con-

scripted for use by LORAN (LOcation and RANge) stations that continued to operate for a long time in the post war period, severely limiting amateur use of that band. To compensate, 221 MHz was added in 1947 and in the 1970s 30, 17 and 12 meters and a number of microwave frequencies were allocated for amateur use and more recently the 6 meter band and shared use of 60 meters. That's pretty much how things stand today -- or do they?

As L. Frank Baum's famous wizard said: "Pay no attention to that man behind the curtain" I say, "Keep your eye on him, he's out to getcha". The FCC, originally tasked with regulating "things radio" and keeping interference and illegal activity to a dull roar, seems hell-bent on taking back our ham bands so they can auction them to deep pocket bidders for commercial use. They have forgotten the contributions made and continue to be made by radio amateurs to advance the art of radio communication. You might care less about technical advances to your hobby but make no mistake, you will be adversely affected one way or another if the FCC is allowed to nibble away at our allocated bands. Don't let it happen. Maybe you can't personally do much to stop it but it's one good reason to belong to the ARRL (Amateur Radio Relay League). The ARRL is the only organization able and willing to stand up to the FCC and lobby on behalf of amateur radio in the face of powerful commercial interests who want every bit of electromagnetic spectrum to enable their gadgetry.

From K6MBY
Bob Sampson K6MBY

Well another Field Day has come and gone. Although I was unable to spend much time there I did spend a few hours on Saturday visiting with friends that it seems like I only see once a year. The addition of kids to the fray added a new dimension of operation in the tents. All the club operators I saw were doing their best at answering questions from the eager crowd.

All of the parts and pieces for the Gunderson project have been ordered and many have been received at Doug Welcker's. The antenna work for Gunderson (replace a old top mounted vertical antenna with a DB222 dual band vertical and install two new UHF Yagi antennas) and Striped (replace an out of band UHF yagi with a new in-band yagi) is being coordinated but is likely a couple of months out according to the installers. As the antenna work gets closer the tech crew will start the process of removing the existing Forks PD repeater and building it in the old Striped cabinet. With Gunderson in place one will be able to link from KC7EQO on Blyn all the way to Mt Octopus in Jefferson County.

Bill Peterson (the prime mover here) and I continue to work on the downtown Sequim 2.4 GHz Mesh Network. We are currently linked with KSQM, Fire 3, and Sequim City Hall as well as to both Bill's house and mine. The system currently supports email, chat service, a web page and telephone service such as you may have seen at field day.

A club capability that seems unused is the EchoIRLP on Striped. For those with just handheld radios the EchoIRLP is a great way to talk to the world. I would encourage you to visit IRLP.ORG and Echolink.org and read up each of their capability. There are thousands of stations around the world that can be visited with the simple click of a few DTMF buttons. Don't forget that when you are away on vacation anywhere in the world you can call back to Striped via a cellphone Echolink app and join a Tuesday or Thursday night net.

73,

THE ORIGIN OF "HAM"

"HAM" ORIGINATES BACK TO 1903 AND WAS THE CALL LETTERS OF ONE OF THE FIRST AMATEUR RADIO STATIONS OPERATED BY SOME MEMBERS OF THE HARVARD WIRELESS CLUB. THESE WERE ALBERT S. HYMAN, AND REGGY MURRAY. AT FIRST THEY CALLED THEIR STATION HYMAN-ALMY-MURRAY, BUT TAPPING OUT SUCH A LONG NAME IN CODE SOON CALLED FOR A REVISION SO THEY CHANGED THE NAME TO HY-AL-MU USING THE FIRST TWO LETTERS OF EACH NAME. EARLY IN 1909 SOME CONFUSION RESULTED BETWEEN TWO SIGNALS FROM AMATEUR STATION HYALMU AND A MEXICAN SHIP NAMED HYALMO SO THE BOYS DECIDED TO USE ONLY THE FIRST LETTERS OF EACH NAME AND THE CALL BECAME "H A M". IN THE EARLY PIONEER DAYS OF RADIO AMATEURS PICKED THEIR OWN FREQUENCY AND CALL LETTERS, AND EVEN AS NOW, SOME AMATEURS HAD BETTER SIGNALS THAN COMMERCIAL STATIONS. THE RESULTING INTERFERENCE FINALLY CAME TO THE ATTENTION OF CONGRESSIONAL COMMITTEES IN WASHINGTON AND THEY GAVE MUCH TIME TO PROPOSE LEGISLATION DESIGNED TO CRITICALLY LIMIT AMATEUR ACTIVITY. IN 1911 ALBERT HYMAN CHOSE THE CONTROVERSIAL WIRELESS REGULATION BILL AS THE TOPIC OF HIS THESIS AT HARVARD. HIS INSTRUCTOR INSISTED THAT HE SEND A COPY TO DAVID I. WALSH, A MEMBER OF ONE OF THE COMMITTEES HEARING THE BILL. THE SENATOR WAS SO IMPRESSED THAT HE SENT FOR HYMAN TO APPEAR BEFORE THE COMMITTEE. HE WAS PUT ON THE STAND AND DESCRIBED HOW THE LITTLE STATION WAS BUILT, AND HE ALMOST CRIED WHEN HE TOLD THE CROWDED COMMITTEE ROOM IF THE BILL WENT THROUGH THEY HAD TO CLOSE THEIR STATION BECAUSE THEY COULD NOT AFFORD THE LICENSE FEES AND ALL THE OTHER REGULATIONS. THE DEBATE STARTED AND THE LITTLE STATION "H A M" BECAME THE SYMBOL OF ALL THE LITTLE AMATEUR STATIONS IN THE COUNTRY. THE BILL WENT TO THE CONGRESS AND EVERY SPEAKER TALKED ABOUT THE POOR LITTLE "H A M" STATION.

ALBERT HYMAN BECAME A HEART SPECIALIST ASSOCIATED WITH THE NAVAL MEDICAL RESERVE, AND THANKS TO HIM AND HIS HARVARD THESIS RESULTED IN THE PASSAGE OF THE BILL THAT NOW IS THE LAW OF OUR LAND THAT GIVES YOU AND ME THE PLEASURE WE GET FROM OUR ENJOYABLE HOBBY ---- HAM RADIO.

"STOLEN FROM TELETYPE SENT BY W7LHL"

Submitted By Doug WB4KGY

Found this while cleaning out more of Dad's (W7LG)(SK) papers.

Pacific Northwest DX Convention

By Chuck Jones N7BV

Beside myself, Bill W7WEC, Ray and Linda and Joe KG7JWW attended from our area. We had a great time, probably our highlight was having Dr. Joe Taylor, K1JT of FT8 fame walk up and join our table for the banquet dinner!

Dr. Joe Taylor, K1JT and Dr. Tamitha Skov, WX6SWW presentations were top notch, answering lots of personal question. Like what are all those colorful pictures of the sun on many pages for and what are they used for? See http://www.solarham.net/latest_imagery/193.htm ; the AIA photos and read the narrative below each graphics. Joe, K1JT explain where his programs are going and what they are doing which are against the rules of DXCC and other awards. This is because his software is open source, which allows others to change WSJT to operate as an automated robot. There are presently about 15 robot stations on the air 24-7.

Later on, in the ARRL DX Forum this was a HOT TOPIC which the ARRL is focused on presently. The rules for DXCC state 'each station must be operated and/or control by a person'. Another HOT BUTTON topic was "drop-in boxes" either automated or controlled stations which violate the 'boots on the ground' DXCC rule. So whether there will be DXCC credit given for these types of operations remains to be seen.

Dinner Banquet and Special Guest Speaker was Ward Silver, N0AX with "*DXing & Contesting 2.0*". Ward, is known by a number of CCARC members for programs he has given to us either in person or by Skipe. Those who know Ward know that his mind is running at 150mph, which made for him trying to cram 15lbs of stuff in a 10pound bag. Knowing what our Field Day planners went through this year to incorporate kids into FD a lot of his ideas hit home.

On a personal note I got to see friends I had not seen in some 20-30 years because they came to this convention. Fred Laun, K3ZO of contest fame and the only ham that I know of who was shot and left for dead in a ditch on the side of the road back in the days of South/Central American kidnappings. He is a well know CW contester and noted DX'er. ncjweb.com/features/sepoct15feat.pdf

Ken Claerbout, K4ZW "*Challenges of African DXing*". Karen and I worked with him back in 1989 in the Philippines. Ken left the PI a few days before the volcano blew its stack closing Clark Air Base and other US facilities for good. These days Ken works for a commercial company that installs broadcast station in developing countries driven by programs sent by satellites.

I met a California ham who had a commercial job in Morocco about five years after I left there. The interestingly the connect between us was he ended up with my beam antennas that I sold locally when I left in 1980.

RF Calculators & Conversions

<https://www.pasternack.com/t-rf-microwave-calculators-and-conversions.aspx>

What are the Differences Between Coaxial Connectors?

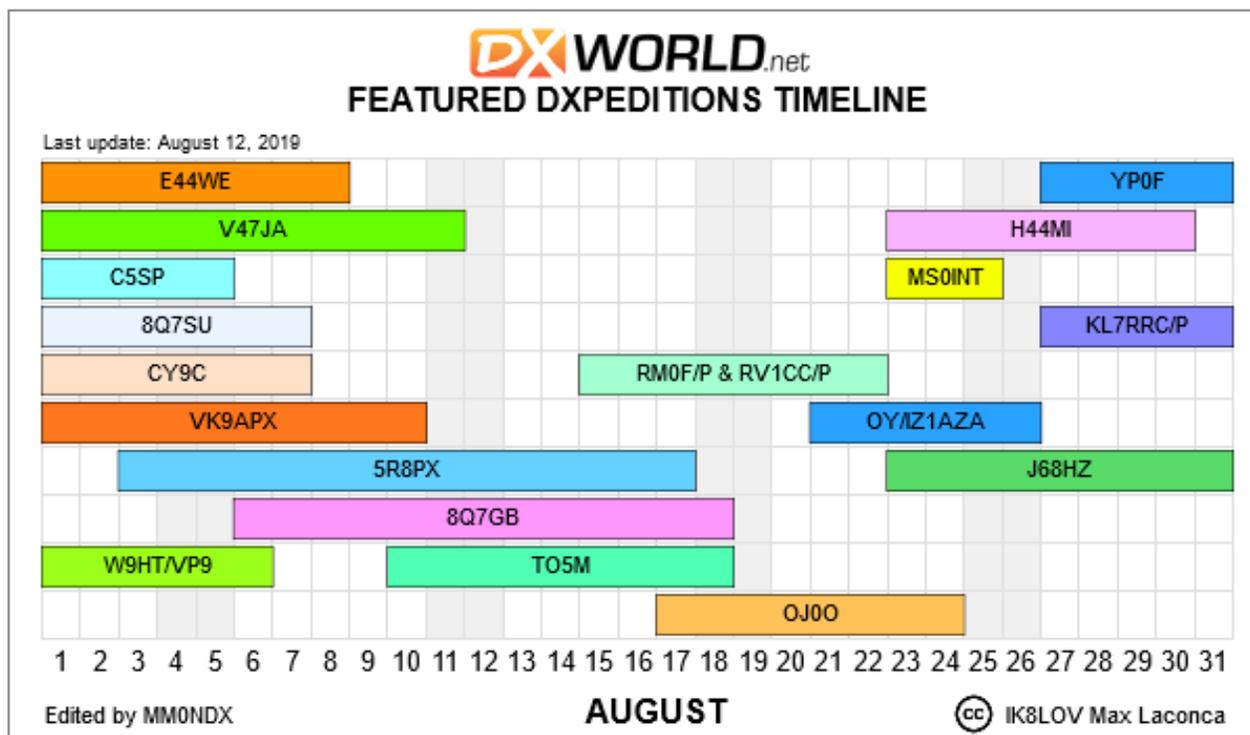
https://www.mwrf.com/passive-components/what-are-differences-between-coaxial-connectors-part-1?NL=MWRF-001&Issue=MWRF-001_20190808_MWRF-001_171&sfvc4enews=42&cl=article_3&utm_rid=CPG05000002065354&utm_campaign=27538&utm_medium=email&elq2=c5f563c003884eb5ab37c5bba85f9328&oly_enc_id=9019B3695490B4S

https://www.designnews.com/automation-motion-control/friday-funny-dilbert-gets-his-diagnosis/26229969561230?ADTRK=InformaMarkets&elq_mid=9589&elq_cid=153844

<https://qrznow.com/should-a-baofeng-be-your-first-ham-radio-ham-radio-qa/> ??

“The [Baofeng UV5R](#). Some have called them the savior to ham radio and others say they are nothing but a scourge to the hobby. But one is for sure, they are inexpensive and most new hams gravitate to them as their first radio due primarily to the price. So in this video I’m going to look at some of the pros and cons and if the UV5R is a good choice for your first radio “

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



“THE CHECK- IN”

**The timid soul sat quiet and still
With great intent--- Until –
He heard his call and knew for sure
He had to answer with signal pure.**

**For many nights he had listened
Until the sweat just glistened.
From his brow, and from his hands
For he had heard from many lands.**

**The net, however, was always elusive,
Whether it was there was never conclusive.
But now he had heard—Heavenly stars,
The marvelous sound of Navy Mars.**

**Those many days spent in the shack
Awaiting the moment – Just setting back;
Now would pay off and he could send
His message - - Then to his family tend.**

**It was long since, wife he'd seen
His boy now had reached a teen.
By golly, now let them scoff;
His perseverance had now paid off.
Yes, it was his call, sure enough,
The signal didn't even seem rough.
Now came the part he dreamed about,
He took the mike, and switch pulled out.**

**Let's see now, --- Who was Net Control?
Gotta get it right and get on the roll.
This was his chance for him to show
What a signal's like. – He'll lay them low.**

**Message blanks before him, pencil in hand
Oh, these many nights at his lonely stand.
Those other members may have believed
They'd lost me; Bet they'll be relieved.
Net concluded; to the house to go
With happy smile and face aglow.
For he was on the air—With N0---too,
And they even heard his Q.R.U.**

N0UUC

Submitted By Doug WB4KGY
Found this while cleaning out more of Dad's (W7LG)(SK) papers.

Treasurer Report

None received.

Respectfully, Joe Edwards KI7RBS
CCARC Treasurer

FOR SALE or TRADE



CCARC Standing Committees

Field Day Co-Chairs: Al Fisk KD7TFK, 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

NEXT YL Luncheon

September 13
Cafe Garden
1506 East 1st St.
Port Angeles

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

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

Secretary: Rosemary Day KI7MZH 360-457-6895 rosemaryday2000@yahoo.com

Treasurer: Joe Edwards KI7RBS 360-808-5282 ki7rbs@gmail.com

Board Chair Person: Jeramey Johnson, KF7PMC

Board Member: Cori Rice KF7VZZ 360-912-2395 kf7vzz@gmail.com

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