

### BV Rambles:

Well looks like summer is winding down, rain and showers more common than those sunny days of summer. smoke was an unwelcome visitor for a few weeks this summer. Several of us were very careful about working outside during this time period.

I think sometimes we need to remember that the club is a volunteer organization, including all members. As such there are times when people are out of town, on vacation etc. so they are not available for the function they volunteered for.

Our Technical committee and extra volunteers did a bang up job of refurbishing and changing out the repeater site gear recently. See Page 12.

Articles from our membership were limited (one!) so I ask N7WA editor at the Mike and Key Club if I could borrow a few articles from his/their newsletter to fill ours out.

Are you ready for the Salmon Run? This is our states QSO Party. Get on. make a few contacts—see how many different states you can work have some fun. We are still looking for a couple more people to operate from my location. Ship me an Email if you have a couple of hours to spare. Remember it is this weekend. This is a QSO Party type contest where the world works Washington State. What makes it fun for many is boxes of smoked salmon are up-for-grabs for prizes.

Saturday was the Alzheimer's walk in Bremerton. My wife Karen lost her dad to Alzheimer last year. This was the first year the family got together to due the walk since his death. They have been doing the walk regularly before his death.

73, See you at the meeting  
Wednesday.

Chuck

A portion of the family.



## **Get Your License Here!**

**When the dust settled  
on the Sep 1 exam ses-  
sion, there were**

**7 new Technicians  
12 new Generals  
2 new Extras**

**Chuck Jones N7BV  
ARRL VE-L**

## **September Program**

**How to make a 2m 440  
Ground Plane antenna.**

**Some lucky members will  
actually make an antenna  
to take home.**

We need articles 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!

Thanks, the staff!

## **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.

**FROM: Mike and Key, K7LED Relay**

**My Summer Project  
submitted by Michael, N7WA**

I frequently solicit for articles each month with the following question: Did you building anything (radio, antenna, etc) Many thanks to Dan and Doug for their entertaining articles of the past several months but now it's my turn Every few years, I get a hankering to change the shack. I have had every form of desk in my shack (I rue the day that Boeing surplus went away). I have had desks with multiple levels, desks that tilted the radio towards the rear, wood desks, metal desks, and even a commercial storage shelf that I made into a standing desk (with my 70lb amplifier actually above my head). My last desk was a corner desk I inherited from Diane. Only, the corner itself was rounded out (what a waste of space) and there wasn't really enough room for the previously mentioned amplifier. Thus, I began my search for the latest in a long line of operating desks.

I began my search on-line. Where else? There were many intriguing possibilities except 1) I couldn't actually touch one and 2) most were pretty expensive. I wasn't going to pay big bucks for something that might not work out when it arrived. (I also considered the possibility of adjustable "stand-up" desks but that didn't last long.)

Then I thought, maybe I could build one and started searching the web for designs. I looked at what others had built. I found one design that got my interest. It wasn't "quite" what I wanted but maybe I could "adjust" it a bit. It involved two sheets of plywood. You know, the nice stuff? It involved long straight cuts with a Skill saw and no splintering allowed. It involved a router (never used one). It involved a biscuit joiner. A what? (I had to look that one up.)

Let me preface this adventure by stating that I had one quarter of wood shop and one quarter of metal shop - both in Junior High. (Fortunately, High School provided me with electronics shop and the teacher was a Ham too.)

My brother, my father, and brother-in-law love working with wood. Sawdust just makes me sneeze. I am sure I can count the number of really straight cuts I've made in my lifetime on two hands. But, I took on this adventure with some encouragement from my brother and Doug K7FDR.

July was my planned time frame. I knew the shack would be totally dismantled for Field Day. My schedule would be clear following the 4th of July with one small hiccup - I wanted to do the IARU contest the weekend of July 14th.

I procured the plywood and actually started cutting wood while listening to the neighbors shooting off big stuff midday on the 4th. I have a very well-equipped shop. I did purchase a special straight edge so I could make 8' straight guts and I got an expensive new plywood blade. I don't know if it

was the blade or the blue masking tape I applied over every cut (which really slowed things down) but I didn't splinter any boards. I was really proud of myself. I found the leaf blower to be indispensable for removing sawdust (it's also very satisfying).



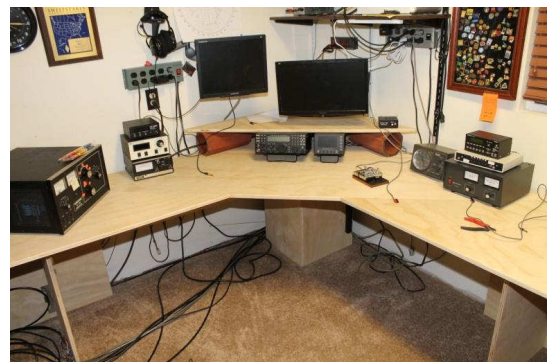
Fortunately, it did not rain and I got most of my cuts done by the end of the week-end and starting piecing things together in the shack. I initially put the top of the new desk on the old corner desk to see how things fit. Then it was time to make the three top pieces into one complete desk top. Yeah, that power supply is keeping the one end piece from falling off the desk underneath.

This is the point I delved into the world of "biscuit joining". I spent a lot of time playing with scraps until I figured it out. When I finished, I came to the conclusion that this might actually work out!



IARU was coming quickly. I removed the old desk and put in my new supports. A couple of bricks to hold up the monitors and I was ready to contest. By the way, that desk didn't creak one bit with that heavy amp in place.

A couple things about contesting with unfinished plywood. It's tough on the arms (I eventually had to put a towel down) and it gets dirty. Non-the-less, the desk worked out well and after the test, I took it all apart and prepared for the final touches.



Routers; Yup, I had never used one so I played with scraps again. Uh-oh, this could be dangerous. Not because I could hurt myself but because it makes the plywood edges really nice! It can also screw them up fast! (My brother mentioned that he had ruined more than one project by messing up on the routing.) I successfully resisted the urge and limited my edging to the desktop with just a couple tiny mistakes

Sanding and staining. Sigh! I really wanted this project to be done and it was hard to take my time. Of course, I had used "cheaper" plywood so voids were



an issue. Filler, fine grit sandpaper, stain, and several coats of wipe-on poly did wonders. In the end, I only stained the desktop itself. Maybe someday I'll feel like doing the supports.... probably not. It was a month from start to finish but I am happy. Only now, in September, am I getting the station completely restored. (some new carpet and IKEA cabinets were also involved).



Not all Ham Radio projects involve soldering or electronics. In a couple years, I may want to change my shack again but until then, this one should do the job.

### **First time I have ever built a kit, if I can do it you can too!**

At the Field Day Dennis brought his Fox Delta USB Antenna analyzer, which we used to tune the antenna that Chuck brought, on Mark's newly built tower.

I bought the same, a Fox Delta USB Antenna analyzer. Mark had one also that we built at Dennis T. home. Took me about 10 hours to build mine. Of course if you are a pro at soldering like Mark, his was completed in one day. I am a rookie solderer, so had some issues. I shorted it out. Too much solder!!

The kit is fairly easy to put together when you have the right equipment.

Dennis fine tuned mine and cleaned it up. I had downloaded the program prior on my laptop and we calibrated it. I took it home and set it up on my antenna (Alpha-Delta Dipole DXEE). It works great.

First time I have ever built a kit, if I can do it you can too!

Hope to make another kit soon.

Rosemary Day KI7MZH

## **CCARC Ham Meeting 8-8-18**

Meeting opened at 7:03 p. m. by Vice-president Chuck Jones. Pledge of Allegiance.

Secretary- minutes approved as published in the QTC.

Vice President- Committees, check information in newsletter.

Treasurers report: \$2600 profit from fireworks. No information for checking account balance.

Chairman of the Board: two meetings were held for presentations on the Striped Peak and Gunderson Mountain rebuild. From minutes in the QTC, motion was made to present to Club, authorization for \$400 for Gunderson Mountain build out. Forks Hospital has pledged \$3700. Approval contingent on letter from hospital for funding. Club members voted aye. Motion from Board of rebuild of \$200 for parts, including phase surge protector for lightening strike and miscellaneous items for Striped Peak rebuild. Monday, August 13<sup>th</sup>, the repeater will be down for approximately 1 week for new rack rebuild to Striped Peak. The old rack will be relocated to Gunderson Mountain. Issue link at Gunderson is there is a mountain top in the way. Needs an RF link between the two. Club vote was aye.

Board action request for \$80.05 to Chuck Jones and Bob Sampson for refund for field band-pass filters on 80 and 40 meters. Vote was aye. Will be stored with equipment in the Club trailer.

Christmas Party: Sheldon reported that Christmas Party was December 15<sup>th</sup> at Independent Bible Church.

Recent Activities: Dennis Tilton reworked Ham Shack to include lightening arrestors at \$19 each. Build session in a week and a half for Fox Delta Antenna Analyzer.

YL luncheon in Sequim on Friday at the Mariner Cafe.

Items at Silent Key sale: Spouse donated items to the club. Mark, Chuck, and Rosemary will have list of stuff after going to the silent key's home.

Political: lawsuit dropped over tower in Sequim, Sequim Fire Station on tower. Fire Chief says CERT groups not to be associated with county ARES group.

P.R. now have 103 club members.

Education and Training: starts on 18<sup>th</sup>.

Question on repeaters: Chuck explained repeaters use. UHF full, no link possible on satellite frequency. On 2 meters several are on the same repeater.

Sometime paper repeaters, if vacant for one year, others can apply for it if not used. Expensive to set up. \$5000-6000 to start then upkeep \$500-600 per year. DNR can change the going rate.

ARES- Bruce stepping down, looking for new E.C, Friday, shooter simulation at Clallam Bay.

Break at 7:45.

Chuck S. moderated questions and discussion period. A person does not have a Ham license to be a member of the club.

Groups IO moderators are learning. If email to 1 person is needed, link to option to reply to sender. Profile change to consolidate 1 e-mail per day is possible.

Doug had presentation on the polyphaser. Capacitor inside. Lightening can have 500 KH volts.

Power line protection: put a large loop on the coax cable.

Chuck S. shared anecdotes on tower lightening while was employed.

24 members 1 guest.

Respectfully submitted, Rosemary Day KI7MZH Secretary

### **Board Meeting September 5, 2018**

Present: Chuck S. EBH, Bill WWP, John JAB, Mark MAE, Chuck N7BV, Rosemary MZH, Jeannine WVD, Ross WVG, Bob S. MBY, Joe E. RBS.

Meeting opened at 7:10 pm.

Minutes approved as published in the QTC.

President had nothing to report.

Vice President: would like permission to use W7FEL call sign for upcoming Salmon Run contest. Approved.

Board approved ARES request to use repeater for Great Olympic Adventure Trail Marathon on Saturday, September 8<sup>th</sup>. With the caveat to use proper call sign and protocol.

Treasurer: audit next week. Set up time and place with 3 board member to help with audit.

Secretary: reported letter sent to DNR with information on Technical Data Sheets and e-mail to WWARC with Technical Data Sheets for the club repeater update.

Chairman of the Board: Striped Peak up and running. Antenna issue possible. If broken needs to be replaced, could also be feed line or jumper. Need tower climber to check it out using dummy load. Have been researching cost of antenna if needed. Possibly one from California like the one presently up. The path between Gunderson and Striped Peak blocked by North Point. Possible to use passive repeater to bypass.

Discussed control link between Blyn and Gunderson, no unlock necessary. Codes available via request to club members only, also control operators and trustee. If abuse other avenues possible.

Committee reports: V.E. 19 new Technicians, 10 Generals, 2 Extras certified from the class this month.

Newsletter website was busy at Striped Peak.

Next Ham Meeting- solder 2 meter antennas. Inventory by John L-nothing to report.

Guideline for I.O. Groups in progress.

Possible to reply only to sender, to cut down on chatter.

Business cards-Bill left some at Radio Shack, possible other sites.

Joe E. Keys from safety deposit box, do we know what the extras are for?

Meeting adjourned at 8:15 pm.

Respectfully submitted,

Rosemary Day KI7MZH, Secretary



**FROM: Mike and Key, K7LED Relay**

### ***New to Ham Radio?***

Submitted by Jim, K7JGM

Welcome! And remember we all were new to Ham Radio at one point in time. One thing that helped me eventually understand- and I wished someone would have told me at the beginning; this is not like corporate America. You cannot be fired for honest mistakes. Do not be afraid to make a mistake. I have made my share of them along the way and thankfully there was always someone there to help redirect my efforts to a more successful goal.

What are you passionate about with regards to Ham Radio? For me it is Emergency Communications and chasing DX. For others there is CW, digital modes, home brew experiments, contesting and a few others.

Find that passion and run with it. Your reward in this hobby will be well worth your efforts. I envy my sons Camdin, KI7HWD and Teigin, KI7JME for getting their licenses at the age of 10 because there are so many different aspects of this hobby to learn they may have time to learn them all!

The biggest mistake I made was not joining a club when I obtained my ticket in 1999. EMCOMM was my passion; I had a 3 year old and a new born daughters and I wanted to make sure I had something other than a telephone. I purchased my Alinco DR-605 2/70 radio, set it up and was on the air. In 2000 I received my General ticket and rewarded myself with a Kenwood TS-570 and a Cushcraft R-8 antenna. Once I joined Mike and Key and talked with some "Elmers" (think old wise ones), they helped me fine tune my HF efforts. That opened up the world to me and I am very grateful to this day.

If you are new please feel free to ask your questions to anyone in the club. They will point you in the right direction on your journey into Ham Radio.

Speaking of help... we need some more Wednesday Night Tech Net hosts. You do not need to know everything because there will be one or two people on the net who can address almost any technical subject.

73-Jim

**TECH NOTES****September 7, 2018  
Jeannine Tyler*****At the beginning of the Striped Peak repeater reconstruction the sun shone bright in a brilliant blue sky.***

The seventeen days spent absorbing the information about repeater construction flew by. There was an extremely high level of technical prowess permeating the environment.

Many of the tasks performed were quite new to me. I observed as human hands, eyes, ears, and minds came together to reform a working entity that appeared to have a mind of its own.

These are some of the secrets I learned in the days of repeater reconstruction: Each unit has an entirely separate function from any other. Although their functions are separate, they eventually learn to communicate and work well with each other. Each has its own job and in order to function as a whole, each requires a bit of tweaking to smoothly interact with the others.

When the units do not get along well with others, they are removed. Sometimes they can be modified by having their memories completely erased with new memories downloaded in their place.

All the units are interconnected in some fashion. Some are joined to many others and some only to one. Their connections must be strongly forged and cannot be weak and feeble. Connections empower them to take on information, give out information, interact and get along.

There is not one single unit in existence that can do the specified task alone. The task is such that it needs many of differing capabilities to ensure effective completion. Each unit relies on the other. None is more, or less, important than any other. They all do different things; some constantly, some rarely, but all are absolutely necessary.

Some sit idle for long periods, then jump into frenetic activity to complete their task, only to go back to sitting idle. Others constantly plod along day after day doing the exact same simple process without ceasing. Although their processes are simple, the entity would not function if any one of them stopped.

***In the middle of the reconstruction came several days when the smoke from the Vancouver, British Columbia fires permeated the air, hampering visibility, making deep breathing uncomfortable and irritating our once happy eyes, sinuses and throats.***

New units were added to act as guardians and to watch out for the safety of the others. Their only purpose is to sit and wait patiently yet take action immediately in the event of a natural disaster.

Several became stubborn and almost appeared to sit satisfied in their noncompli-

ance. I know I witnessed their eyes twinkling as the humans performed antics to make them conform. Eventually the humans prevailed, and the entity conformed. A couple were connected in such a way that the strain of being together was just too much to handle. One ceased to function. Its death preceded by a loud pfft, pop, and then a horrible smell as decomposition began.

Finally, when everything was working together in an orderly fashion, the humans were able to breathe a sigh of relief. One final breath was held long enough to disassemble the unit, carry it up the hill, and reassemble it once again. It was finally expelled at the very end.

The Striped Peak repeater. A complex entity. Made up of many parts. It sits in a building, on top of a mountain, at the base of a tall tower. Always ready to perform for anyone who calls on it. It is not discriminatory. It accepts any incoming transmission and routes it appropriately in the correct direction as it is designed to do. It brings us together. For without it we cannot continue to enjoy the mode of communication it provides. If you see the humans who spent hours, days and weeks to improve our enjoyment with ham radio, take a moment and thank them. They are invaluable to us all.

***On the last day of the project, marine air blew thick, ghostly and wet upon the Striped Peak tower site. Big silver dollar sized drops fell from the towers onto our heads. It appeared the inanimate objects were sad that the project was over.***



Well that was a good breakfast—what's for lunch??



Hey, my cursor disappeared!!



Hey, who took the repeater cabinet??



Dam rats keep chewing up the connectors!!

Can we get an AMEN?



### CCARC Standing Committees

**VE Education and Training:** Chuck Jones N7BV

**Field Day Co-Chairs:** Al Fisk KD7TFK, Chuck Jones N7BV, Rick AA0RD, Sheldon Koehler N7XEI

**Health and Welfare:** Nita Lyman KE7DRT

**Membership Chair:**

**Net Coordinator:** Mike Rice KF7VZZ

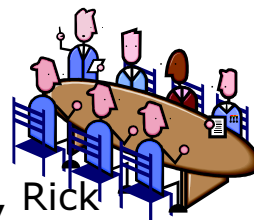
**Program Co-Chairs:** Andrew Rowland KF7QYL, Bill Peterson K7WWP, Chuck Jones N7BV

**Public Relations:** Bruce KD7WBM, Jean Tyler, KI7WVD

**Publications (Newsletter):** Chuck Jones N7BV,

**Technical Committee Coordinator:** Doug Welcker, WB4KGY, Bob Sampson K6MBY, Bill Peterson K7WWP, Merrill Terpstra KA7FAM

**Web Site Administrators:** Bill Peterson K7WWP



### CCARC Special Committees

**Roster:** Joe Edwards KI7RBS

**NEXT YL Luncheon****September 14, 2018**

**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!**

**2017 - 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 <sup>th</sup> St., PA	Bruce Reiter KD7WBM 360-452-9851
Clallam County Amateur Radio Club general meeting	7 pm, 2d Wed of every month	Port Angeles Fire Station 5th and Laurel, PA	Chuck Jones N7BV 360-452-4672
Clallam County Amateur Radio Club social breakfast	8 am, 1st Sat of every month	Bi-Monthly Joshua's Restaurant, PA & Mariner Restaurant, Sequim	Chuck Jones N7BV 360-452-4672
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)	

[CCARC Welcomes new member/s:](#)

**CLUB OFFICERS For 2017**

**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 [rose-maryday2000@yahoo.com](mailto:rose-maryday2000@yahoo.com)

**Treasurer:** Joe Edwards KI7RBS 360-808-5282 [thesharpshark2011@gmail.com](mailto:thesharpshark2011@gmail.com)

**Board Chair Person:** Chuck Stroeher WA7EBH 206-799-6551 [cstroeh@wavecable.com](mailto:cstroeh@wavecable.com)

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

**Board Member:** John Lehto N4JAB [ponyexpress@olypen.com](mailto:ponyexpress@olypen.com)