



CLALLAM COUNTY
AMATEUR RADIO
CLUB

QTC
APRIL 18

MAE and BV Rambles:

As we turn our attention towards Field Day a couple of things have risen to the top; 1) standardized rigs and 2) For the last 2-3 years there have been the same complaints about not being heard when RX signals are strong and 3) conflict between CW/Digi over open bands. Bob K6MBY has a suggestion which sounds like a winner for the CW/Digi problem—more on this later.

What is starting to take shape is getting a bigger signal on 40-mtrs so we can operate 40m all day. How? Well in my boneyard of antennas is a 2-element shorty forty beam antenna. Shorty forty is a nickname given to a smaller size 40m beam antenna 45ft element lengths rather than 66ft. Each of the major manufactures make one, none are particularly better than another one, however the bit of gain they give is equal to doubling the radiated power.

Mark is building a mobile antenna tower similar to what we already have which would give us a great base for the shorty 40.

The other thing we are thinking of is to switch out the Wilson trib-and beam we have been using for years on the main tower in the hopes this might help with the problem of "we can hear them but they cannot hear us".

Will these solve our problems, well we won't know until we try. One thing is for sure if you always do what you have always done, you will always get what you have always gotten.

Another item is a replacement tent for the one garage tent we use now which more and more people don't like for different reasons. To that end we have found four tents we can try out this year without wasting money, to see which style we like best.

Tks. K7MAE & N7BV

Get Your License Here!

**Our April 2018 Classes
are underway at PUD.**

**Again it is a rather large class,
for us, 35+ people.**

**73, Chuck N7BV
VE-L**

February Program

PSK-Reporter

- ♦ A high level overview of Digital Modes.
- ♦ A detailed walk-through of the PSK Reporter site that puts digital mode transmissions on a world map.
- ♦ A live Demo showing current digital transmissions and receptions from an HF station.

Bill Peterson / K7WWP

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.

W7RJW "Net" Working

Some local nets to listen in on/participate in. This is one good way to learn how we communicate on the airwaves as amateur (ham) radio operators. I spent a year just listening to a couple of these nets and how experienced operators talk to each other, before I even tried for my Technician license. It REALLY helped me a lot. I strongly recommend doing this on a regular basis. Enjoy!

Sunday:

LDS (Latter Day Saints) Emergency Net (you don't have to be a member to participate) 6pm on 146.760

Monday:

Elwha Emergency Net 5:30 pm On 146.760
WARA (West Coast Amateur Radio Association)
Club Net (Victoria, BC Canada) at 7pm on 146.840

Tuesday:

ARES (Amateur Radio Emergency Services) Net
7pm on 146.760 (except for the first Tuesday of the month, when ARES meets at the Clallam County Courthouse)

Wednesday:

WARA (West Coast Amateur Radio Association)
Emergency Net 7pm on 146.840 Simplex Net immediately following: on 146.580

Thursday:

CCARC (Clallam County Amateur Radio Club) Net 7pm 146.760

W7RJW Rebecca J. Winters
CCARES Net Control Coordinator

**What's new on Ham Nation?**

<http://twit.tv/hn>

Check out the new format.

Have a cup of coffee, relax and watch one.

FOR SALE or TRADE

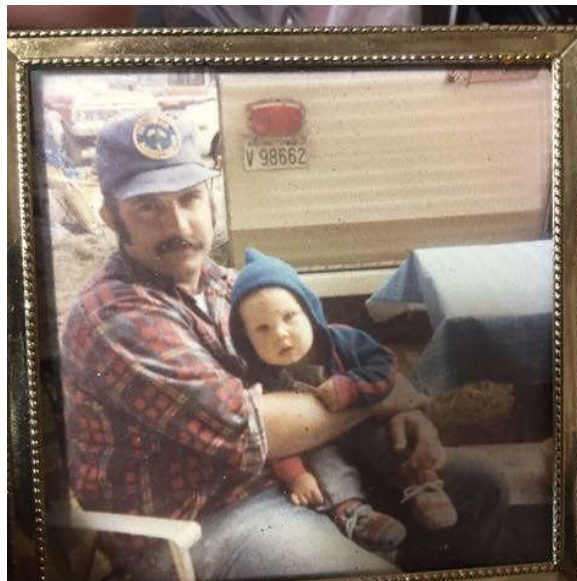
~~~~~  
**5:1 Speaker system. Rated at 200W+.**  
**Free to a good home.**  
**Call Chuck at 360-775-8201**  
~~~~~  
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Habitat for Humanity Store of  
Clallam County  
April 4 at 4:12pm

**VOLUNTEERS NEEDED!!!**

We have openings coming up at the end of April. We are looking for Cashiers Tuesdays & Thursdays 10-2. Thursdays 2-5:30.

If interested please ask for Sarah at 360-417-7543



¿SIHL SI OHM

### **CCARC Ham Meeting 3-14-18**

Meeting called to order by president, Mark Ellington at 7:00 p. m. Pledge of Allegiance.

Note next meeting will resume at the Port Angeles Fire Station April 11th.

Guest Speaker Robert Fanfant N7QT.

Slide presentation on DX Expedition to Mellish Reef VK9MA. Rob explained what expeditions are.

Began preparations in January 2017 and commenced November 4-15th. Goal 45,000 QSO's in 11 days. Traveled 4 days out of Australia (1,000 miles). Said the world was in every direction.

There were 9 members of the expedition. Worked 4 stations on 20, 17, 15, 12 and 10 meters. Distance between stations horizontal and vertical to reduce interference. Also used a custom RX called 4 square consisting of 4 verticals in the shape of a box. Used direct antennas on upper bands for 80 and 160. Had much equipment assembled and shipped to Australia.

Was hot and windy with 20 m.p.h. winds. Many birds on the ¼ mile island. Stinky also.  
Met their goals for QSO's.

Planning another trip in the future.

Took break.

Minutes approved as posted in QTC. Mark thanked all those who helped at the Home Show.

23 members and 3 guests present.

Meeting adjourned at 8:43 p.m.

Respectfully submitted, Rosemary KI7MZH, Secretary

### **Board Meeting 4-3-18**

Present: Chuck EBH, John JAB, Bill WWP, Mark MAE, Chuck N7BV, George TTY, Glenn RQW, Rosemary MZH

Meeting opened at 6:55 P. M.

Minutes approved as printed in QTC. Secretary reported deposit for Joe \$40, and \$105.

Balance in account \$6802.35.

President said registration and current tags on club trailers.

Vice President reported several different tents are available for Field Day. Options for antennas.

Chairman of the Board: requested committees need to publish in QTC so regular meetings aren't too long. Motion to add to Club Policies that club committees sent short report to QTC each month except ARES, rather than repeat information during meetings. If nothing to report, just state that. Motion carried.

VE Liaison still 30-32 people signed up for classes in April.

Donation for use of rooms at Fire House, to pancake breakfast?

Home show participation: people didn't sign up but many came and helped. Interest in becoming Hams. Well attended and lots of attention. Look forward to allocating for next year. More exposure.

Board to pursue for 2019. Advertisements? Radio station? Coffee news? Club Meeting for more information?

Club insurance: Bill and Chuck S to talk to insurance agent.

SSD for treasurer's computer. 120 GB, spend no more than \$50. Approved.

Field Day participation-Class for training lead by Mark E. George to supervise. Meeting Thursday for workshop. Personal transceivers will be discouraged at Field Day. Two towers, 1 up in woods. Interest in purchasing a Triplex. Made recommendation, motion to present at General Meeting. Cost around \$300.

Bill P showed samples of CCARC business cards we could use for field day or to give to interested parties when you talk to folks.

Meeting adjourned at 8:30 P. M.

Respectfully submitted,

Rosemary Day KI7MZH, Secretary



## Restoring a Vintage Table Model Radio -Part 5

Paul Honore W6IAM

Having succeeded in restoring a 1927 Atwater Kent radio to operation I find that the icons of the so called "golden age of radio" are gone. Allen's Alley is gone. Duffy ain't here no more and neither is Archie. AM radio is alive but gasping for air, shoved aside by superior technologies. I think we've lost something important in the rush of progress. Radio broadcasting came along at a time when the country needed it most. It served to entertain, inform and help to unify the country in a way nothing had done before. The first AM radio signal was broadcast Christmas Eve 1905. Soon everyone wanted to witness the new phenomenon of "wireless telephone". By 1920 there were more radios in the country than indoor toilets. People, from coast to coast stopped whatever they were doing to listen to "Amos and Andy". Throughout the depression and war years folks bonded together, albeit at a distance, to enjoy a few minutes of comic relief when Fibber Magee opened an imagined door to an overstuffed closet. President Roosevelt used radio to deliver "Fireside Talks" to the nation to give people hope when the world around them seemed to be collapsing in turmoil. Radio was, indeed, golden in those years. Three "networks" dominated the scene, the National, Columbia and American Broadcasting companies. NBC even boasted its own symphony orchestra with world famous conductor Arturo Toscanini.

We tend to forget that behind the magic of communication at a distance, radio brought with it whole new industries, which brings us to Atwater Kent and the entrepreneurial spirit that permeated the country at the time. Arthur Atwater Kent invented the automotive spark distributor common to automobile gasoline engines.. He dropped out of college to manufacture and distribute electrical components from a home machine shop in Vermont. He moved to Philadelphia and built a 300 acre manufacturing plant that became the largest producer of radios in the world, employing 12,000 workers turning out 6000 radios per day, manufacturing all of the components in his own plant, constantly improving and expanding the product line. Altogether he amassed 93 patents and was awarded an honorary PhD from the college he dropped out from.

The development of radio reception from its beginning to the 1940s can be traced in receiver models turned out by the company. But all of that is gone now, along with the spirit that fostered it.. Regulations and red tape discourage today's entrepreneur. The best he or she can hope for is to think up a smart phone "ap" that can be sold for millions of dollars to some giant corporation. So why bother to restore a really ugly radio that cannot hope to serve a useful purpose in today's high technology context?" I could rationalize it by saying that I wanted to see if I still had the touch - the ability to resurrect something from an ash heap and make it work again. Why does anyone spend a personal fortune and countless hours of labor to restore a car that cannot hope to hold its own in today's traffic? Pride? Ego? They play their part but I think it goes deeper than that. Like an archeologist laboring to glue bits of pottery together, there's satisfaction in helping, even in a small way, to preserve a bit of history.



## **CCARC Strays**

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Nita sends this interesting article.

<http://www.arrl.org/news/iaru-region-1-president-warns-of-wireless-power-transfer-interference-threat#.Wsl8XV1pEnk.email>

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This message was sent by ke7drt

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[http://www.amateurradio.com/weekly-propagation-summary-2018-apr-09-1610-utc/?utm\\_source=feedburner&utm\\_medium=feed&utm\\_campaign=Feed%3A+amateurradiocom+%28AmateurRadio.com%29](http://www.amateurradio.com/weekly-propagation-summary-2018-apr-09-1610-utc/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+amateurradiocom+%28AmateurRadio.com%29)

### **VK9AR A Wonderful IOTA Expedition Experience**

[http://www.amateurradio.com/vk9ar-a-wonderful-iota-expedition-experience/?utm\\_source=feedburner&utm\\_medium=feed&utm\\_campaign=Feed%3A+amateurradiocom+%28AmateurRadio.com%29](http://www.amateurradio.com/vk9ar-a-wonderful-iota-expedition-experience/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+amateurradiocom+%28AmateurRadio.com%29)

### **LHS Episode #213: HF Antenna Woes**

[http://www.amateurradio.com/lhs-episode-213-hf-antenna-woes/?utm\\_source=feedburner&utm\\_medium=feed&utm\\_campaign=Feed%3A+amateurradiocom+%28AmateurRadio.com%29](http://www.amateurradio.com/lhs-episode-213-hf-antenna-woes/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+amateurradiocom+%28AmateurRadio.com%29)

### **Linux in the Ham Shack.**

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**So roll your mouse over the blue text and hold CNTL & Click to follow the LINK to the website.**

### **QST Article – “Live Trees Affect Antenna Performance” – implications for #POTA #SOTA**

In February 2018's QST was a very interesting and scholarly article, the cover story actually, on the effects of live trees on the performance of both vertical and horizontal antennas. Things to ponder: Living wood (trees, as opposed to dry dead wood such as boards) absorbs EMF from vertically polarized antennas. Living wood resembles human ... [Continue reading QST Article – “Live Trees Affect Antenna Performance” – implications for #POTA #SOTA](#) □

### **LHS Episode #215: APRS Deep Dive**

Welcome to Episode 215 of Linux in the Ham Shack. In this episode, we take an in-depth look at APRS, the Automatic Packet Reporting System. This is a digital mode, frequently used on the VHF/UHF bands for propagating location information, weather data, message traffic and more from one station to another using packet TNCs and [...]

### **Linux in the Ham Shack.**

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**The Amateur Radio Newsletter site has current hot topics. It is a good place to keep up with what is going on, get some perspective, plus other pieces of information. In the right hand column you can sign up for their newsletter.**

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**APRIL 14-15**

**AT HARTNAGEL BUILDING SUPPLY**

**THANK YOU:**



**SUPPORT HOMELESS VETERANS**

**BUILD-A-HOME\***

**COMMUNITY EVENT**

\*EXAMPLE MODEL HOME USED FOR BUILDING AWARENESS & FUNDRAISING EFFORTS

**SAT 9AM-4PM  
SUN 10AM-2PM**

**FAMILY FRIENDLY,  
FOOD & FUN**

**IF YOU WISH TO  
HELP BUILD, CALL  
(360) 775-4222**





### **CCARC Standing Committees**

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

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

**Health and Welfare:** Nita Lyman KE7DRT

**Membership Chair:** Sheldon Koehler N7XEI

**Net Coordinator:** Mike Rice KF7VZZ

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

**Public Relations:** Bill McPherson W6JEQ, Bruce Reiter KD7WBM, Herm KG7WMZ,

**Publications (Newsletter):** Chuck Jones N7BV, Herm Halbach KG7WMZ

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

**Web Site Administrators:** Bill Peterson K7WWP



### **CCARC Special Committees**

**Hamfest Table:** Mark Ellington K7MAE, Doug Welcker WB4KGY, Andrew Rowland KF7QYL

**Trailer:** Mark Ellington K7MAE, Charlie Brown WA4DFT, Andrew Rowland KF7QYL, Glen Muir WA6RQW

**Roster:** Joe Edwards KI7RBS

**Fireworks:** Nita Lyman KE7DRT, Ray Montelius KG7WNB, Bruce O'Rourke WA7CCC

## **One-Way Propagation Revisited**

### **Carl Luetzelschwab K9LA - February 2015**

One of my early columns was titled One-Way Propagation and it was in the August 1998 issue of WorldRadio. At that time WorldRadio was a print magazine, which then turned into an on-line magazine and the was absorbed into CQ Plus.

What instigated this topic back in 1998 was an experience in the 1997 ARRL 10-Meter Contest. I heard a W4 calling CQ on CW with a decent signal - around S4 on my old TS-180S - but I couldn't work him. He kept CQing in my face as a result of that, I reviewed possible explanations for one-way propagation.

Read the entire paper at: [http://k9la.us/Feb15\\_One-Way\\_Propagation\\_Revisited.pdf](http://k9la.us/Feb15_One-Way_Propagation_Revisited.pdf)

**NEXT YL Luncheon**

**Oak Table  
292 W. Bell  
Sequim**

**April 13, 2018**

**Find us on the web at  
[www.olyham.net](http://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**

April - Oak Table - 292 W. Bell - Sequim  
May - Downriggers - 115 E. Railroad Ave. - Port Angeles  
June - Black Bear Diner - 1471 E. Washington - Sequim  
July - Gordys 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   | Bruce Reiter KD7WBM<br>360-452-9851 |
| 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 County 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:**

Bob Spink KC7YRS

**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 [rosemaryday2000@yahoo.com](mailto:rosemaryday2000@yahoo.com)  
**Treasurer:** Joe Edwards KI7RBS 360-808-5282 [thesharpshark2011@gmail.com](mailto:thesharpshark2011@gmail.com)  
**Board Chair Person:** Chuck Stroehrer WA7EBH 206-799-6551 [cstroehrer@wavecable.com](mailto:cstroehrer@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)