

BV RAMBLES:

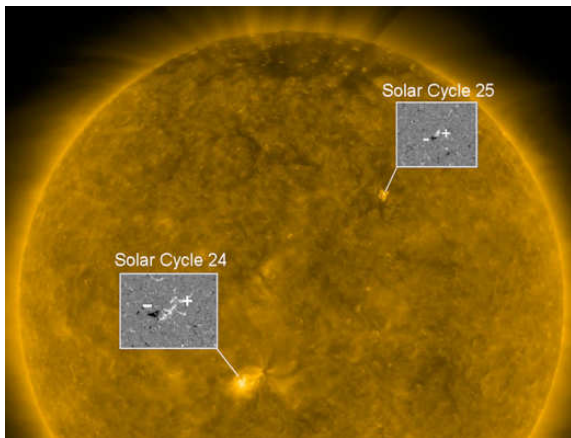
My thanks to Paul W6IAM, and Joe KG7JWW for their input.

How did you do in the Salmon Run? N7BV did 541 CW contacts; I believe Rosemary and Bill C. were on the SSB side of the contest. Propagation was down and sometimes it was like pulling teeth to make contacts.

Well if you did your outdoor antenna etc. work during the summer, good for you!! For those of us who waited until now with the rains we will pay with cold hands etc. Rosemary and Dennis are going to be putting up Hex-beams in the next weeks. Rosemary ordered a complete commercial kit and Dennis will be assembling his from parts left over from a Cubical Quad antenna.

From todays Spaceweather.com:

TWO SOLAR CYCLES ARE ACTIVE AT THE SAME TIME: Solar Minimum is here, and it is very deep. During this quiet nadir of solar activity, something happens that might surprise you: Two solar cycles become active at the same time. Yesterday's sun displayed this counter-intuitive phenomenon:



Above: An extreme UV image of the sun with magnetic field maps inset. Credit: NASA/SDO

73, Chuck N7BV

AMATEUR RADIO LICENSE CLASS

Dates: October 19, 26, & November 2 2019

Time: 0900 to 1700

EXAM: November 2 at 1300

PA Fire 5th and Laurel Street

**Chuck Jones N7BV
ARRL VE-L**

**General Meeting
Program**

Nothing Received.

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.

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!

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 9-11-19

Meeting opened by President, Ross Tyler at 7:00 p.m. Pledge of Allegiance.

Secretary: Minutes published in QTC approved as published.

Treasurer: Checking account \$7284. Savings \$3039.

No reports from COB, Net coordinator, PR, Health and Welfare, ARES

Repeater: Doug thanked Cliff, Rosemary and Jeannine for Gunderson help. Waiting for Forks Hospital to complete base for tower on Gunderson. Trying to get South to Octopus by another route, coordinator had to move.

Newsletter: Excellent comment.

Website: Has updated info for classes in October and November.

New Business: We need volunteers for Program Committee. Ideas for programs at Ham Meeting.

Discussed antenna programs. Cori volunteered to have program in October on making J-Poles.

Doug shared QSL cards that his father had.

Break

Dennis had slide show on new Broadband Multi-loop doublet that he built. Cat cradle folded dipole. 22' long. 14-28 MHz. <2:1 ratio. Needs no tuner, uses smaller rotor. Caged elements, capacity hats. 9:1 balun. Assembly: capacity hat, made a 9:1 balun, feed point with choke. Mounted on crank-up 37' tower. Rotor on top of tower. Antenna tower was bolted to the roof of house and anchored with concrete bolts at the base. Great presentation.

Adjourned at 8:32p.m. 22 members.

Respectfully submitted,

Rosemary Day KI7MZH
Secretary

Is there a reliable battery operated radio among your emergency supplies? Paul Honore W6IAM

With winter rapidly approaching, emergency preparedness has been much on my mind. I am not looking forward to a repeat of last winter's surprise power outage that left much of Clallam County in the dark for several days. I had plenty of food and fuel for a warm fire. In fact I could have holed up for the entire winter like a bear in hibernation but I lacked contact with the outside world. "But", you might interrupt, "You have a whole spectrum of ham radio gear at your command." True, but it was surprising how few local folks were monitoring and outsiders weren't aware of our situation nor did they care. Sitting alone in the dark with no TV and no radio for company was unnerving. So I decided to do something about it before being forced to repeat the exercise.

I searched the internet for emergency radios. Not surprisingly, I found a gazillion radios available in all price ranges and every imaginable feature. There are radios with AM/FM/Short wave capabilities that morph into flashlights and can be powered by hand crank, batteries, AC or solar power. They sell for a few dollars to a few hundred dollars and you don't necessarily get what you pay for. Consumers, panicked by media hype of the horrors of an impending Cascadia earthquake are preyed upon by predatory emergency suppliers, eager to sell whatever they can convince you is indispensable.

Many of these "Swiss Army" radios, as I call them, fail to perform as advertised or work intermittently at best. (I was suckered into buying one. It makes a handy paperweight). Others do, indeed, perform but it's a crap shoot trying to sort the wheat from the chaff. It boils down to what is needful and really useful. Is a radio that doubles as a flashlight needful? Not if you are prepared with flashlights within easy reach, preferably LED types. Do you need to hand-crank it to make it run? This is a nice feature but it will require cranking every few minutes which will soon become tiresome. How about solar power? Another nice feature but you can only depend on it outdoors on sunny days. My recollection is needing a radio at nighttime during a snowstorm. AC power? If your house power is working you probably aren't in need of an emergency radio. So where does that leave you? Your primary need will be for local information - what is going on around you and what can you do about it. A reliable battery operated radio will suffice.

There are a number of good battery operated radios available in the 50 -75 dollar range. They lack many of the bells and whistles advertised as necessities. They do fewer things but they do them well. My search led me to the Sangean "Lunchbox." It is a really ugly yellow radio housed in a roll cage. Why? First of all, I have considerable experience with Sangean. I own three Sangean radios and have been using them for more than ten years. They have earned my trust.. Sangean products are Chinese designed and built. -- not to minimal consumer

specifications for stuff destined to wear out and be replaced periodically but to the factory's own specifications for dependable, long lasting and superior performing equipment. It is not cheap but in this case you get what you pay for. The "Lunchbox" is neither cheap nor light-weight. It was designed to be thrown into a truck full of tools and played by roofers to annoy the neighborhood while they bang away at shingles all day. If the radio happens to fall off the roof, not to worry. It will still work. If it suddenly starts to rain and it gets wet, it will still work. It is simple, reliable and darn near indestructible - ideal for emergency use. I bought one and am impressed with it. My only complaint is that it uses "C" size 1.5 V batteries. These might not be readily available on the local market but they can be ordered in quantity from a number of internet sources. You could do well to investigate this little (well not so little) gem or an equivalent for your emergency kit. I'm sure I'll have several occasions to use mine this winter. I hope not.



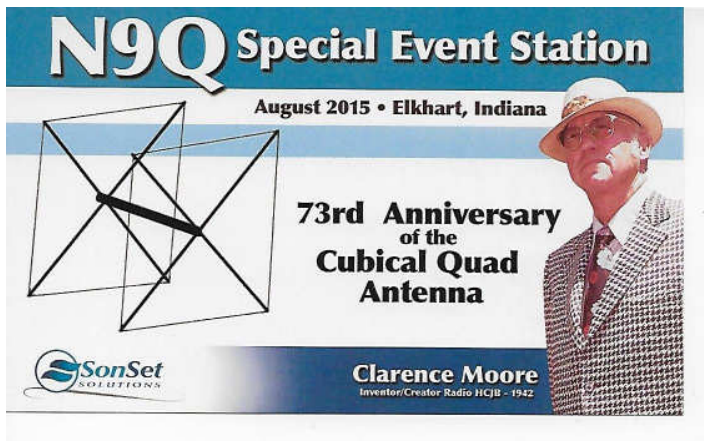
Joe Wright <adwjoe1207@gmail.com>
 To:CCARC-QTC
 Sep 14 at 4:10 PM

I was looking through my QSL cards and considering a conversation about the hobby that I had with one of our members. When I first got into the hobby I had to build everything including my antenna. A popular antenna at the time, the early 60's was the quad antenna. I don't know where I found the specs but I built a quad using a 2X2 piece of lumber, bamboo poles, angle brackets, copper wire, and a plastic ruler for the shorting stub. For some reason the specs did not tell me to make the elements different sizes so the gain and reception were the same on either side. But it was a great antenna that worked well and lasted for several years.

Back to the search for something in my QSL archive now. I came across the QSL card from the anniversary of the development of the antenna by a man who needed to increase the range of his Christian radio station in the jungle. I have included the card to show who the gentleman was. Obviously a lot has happened to the design over the years but it sure was a great start for me.

73!
 Joe

Joe Wright
 KG7JWW
 The Twilight Zone
 The Real Western Washington



Passionate for people to know God, Clarence Moore used his technical brilliance to create tools for the propagation of the gospel. His creative method was simple: pray and study. To extend the reach of its signal, missionary radio station HCJB in Ecuador needed an antenna that could withstand higher voltages at high elevation. Moore took 100 pounds of engineering books on vacation, and with God's help invented the Cubical Quad antenna in 1942. It not only performed beautifully for HCJB but also became the favorite of amateur radio enthusiasts for many years to come.

When others wanted his innovative designs, Moore established Crown, Int., a business which created quality audio equipment. Today, in a building donated by Crown, Int. and the Moore family, SonSet Solutions is continuing Moore's legacy by providing technology-based solutions to advance the gospel worldwide.

David Russell, WV6D - Director, SonSet Solutions

To Radio	Confirming QSO					
	Day	Month	Year	UTC	Mhz	Mode
KG7CW6						
RST 59	27	August	2015	2153	14	SSB

Once again Sunspots were on HF'ers minds.

The official ARRL Propagation report for September 27 reflected the lack of sunspots:

*From Tad Cook, K7RA
Seattle, WA September 27, 2019
To all radio amateurs*

*SB PROP ARL ARLP039
ARLP039 Propagation de K7RA*

Sorry, still no sunspots. Spaceweather.com reported on September 26 there were no sunspots for over 3 weeks, or 24 consecutive days.

Summer transitioned through the Autumnal Equinox last Monday, September 23, and <http://www.spaceweather.com> noted that during the northern Summer more than 89% of the days were spotless.

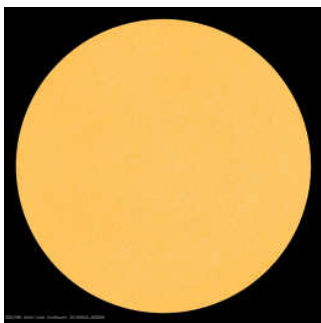
So far in 2019 the spotless days percentage is 72%, equal to what it was in the last solar minimum in 2008 and 2009.

Passing the equinox is a good time for HF propagation, even with low solar activity, and this is true whether you are now in Spring in the Southern Hemisphere or Autumn in the Northern.

And from Spaceweather.com:

"2019 IS A DEEP SOLAR MINIMUM: Today, the sun racked up its 198th spotless day of the year. So far in 2019, the sun has been blank 73% of the time. This is the same percentage as the year 2008--previously the least sun-spotty year of the Space Age. If Solar Minimum continues to deepen, 2019 will soon claim the undisputed throne of Space Age spotlessness, marking it as a century-class minimum in solar activity."

Although things are down a great deal from the days of active sunspots, good contacts can be made with the help of good HF antennas and transceivers.



The sun on the last day of northern summer 2019--utterly spotless.
Credit: NASA/SDO

Continued on page 9

Joe Edwards is just getting started on HF and has made some surprising contact in the last few days, like 10/15m SSB. He is trying the CA QSO party this week-end so we will have to wait and see what he reports.

=====
 Message: 1
 Date: Wed, 11 Sep 2019 13:08:55 -0400
 From: Dave K2XR <k2xr@ptd.net>
 To: FRC Reflector <GoFRC@groups.io>, cq-contest reflector <cq-contest@contesting.com>
 Subject: [CQ-Contest] K1JT Presentation 10 Sept 2019 FRC meeting.

In case you missed it and want to see it, K1JT granted permission to post his presentation at last nights Frankford Radio Club meeting.

The topic was FT4 / FT8 and Digimode Contesting.

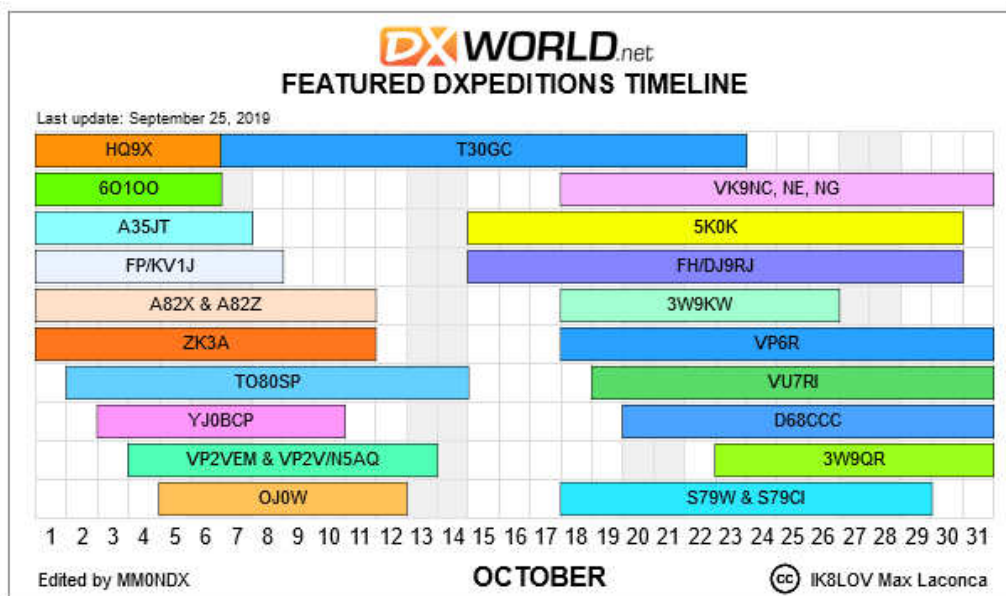
Some material is duplicated from previous presentations, but a significant section is related to the events of the first WW-Digi Contest on 31 Aug 2019.

Feel free to pass this link, it is public.

<https://youtu.be/ve71cvXJ6EI>

73, Dave? K2XR

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



Gunderson Repeater Status

If you listen to the Striped repeater at all you will have heard the tech team testing control codes and setting levels in preparation of the Gunderson mountain repeater installation.

The tower at Gunderson was deemed unfit to climb as the base of the tower was badly rusted. A new 40 foot tower is being installed by the owner (Forks Community Hospital) but is not yet in place.

Due to the delay with the tower installation; the actual equipment installation will now be late first quarter 2020 as winter will soon be on us and some of the team is leaving town for warmer weather.

As a side-note, there have been over 600 man-hours devoted to the Striped rebuild that was completed earlier this year. Most of those man-hours involved Doug Welcker, Chuck Storeher, Jeannine Tyler, Bill Peterson and Bob Sampson. There have been approximately 250 man-hours devoted to the Gunderson rebuild project. Most of these man hours have again involved Doug Welcker, Chuck Storeher and Bob Sampson. Doug has the majority of the man hours as the equipment for both the Striped and Gunderson project has been staged in his garage. Over 45 hours of the Gunderson time was for system design, specifying and ordering parts and pieces.

Bob Sampson
k6mby

GARAGE SALE:

Where N7BV's 262 Birdsong Ln, P.A.

When October 12, 0900—1630L

Small electronic parts and pieces from SK KE7V collection including lots of Direct TV pieces.

Some tools and personal items, including some wall pictures.

Everything must go.

**CCARC Standing Committees**

Field Day Co-Chairs: 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

October 11
Paradise
703 No. Sequim Ave
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

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 KI7WWG

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