



Clallam County Amateur Radio Club

Volume 22 Issue 2

February 6, 2022

President's Corner

We're deep in winter's grip, but not for much longer. My spouse's lovingly crafted ground-cover plants have already been faked out by too-warm then too-cold temperatures, but they're not dead yet. And I'm already making preparations for spring, so perhaps sharing some of my coping will engender similar thoughts to us-all Young (at heart) & Restless:

- Books continue to dominate my free time. If you have an Amazon account, you may buy your favorite authors / books then read them with browser at <https://read.amazon.com/>, on a Kindle, and/or in a Kindle app. If you have Prime then one of its ~treats is "Prime Reading", the borrowing of a modest selection of books (rotates monthly?).
- If you don't have a library card (or it's expired) then call NOLS (Google says 360-417-8500), see what they can do for you (I got mine renewed electronically – they don't want to see us just like we don't want to see them, not until COVID transitions from pandemic to merely endemic). With such access there's then libbyapp.com (to "borrow" ebooks) & hoopladigital.com (similar for streaming media), collectively offering many, many choices.
- And if your tastes range "past-ward", you'll find DRM- & copyright-unencumbered "stuff" at Gutenberg.org (text) and Archive.org (media & text).
- A Florida friend has been telling me of options trading, an exciting way to risk-it-all where, just like the two hikers, you don't have to be faster / better than the bear (an unfortunate choice of noun given the recent "bear-market", but hey, that's the story), just faster than your

~companion, that is other adventurous amateurs (I understand "covered" calls & puts, barely, would I believe prefer Moab base jumping to day trading).

- If you've always wanted to learn the constellations, the easy seasons are summer (*warm* exotic skies) and winter (a good deal colder, but the most bright stars). Autumn is harder because of inclement weather and a whole lotta dim stars, and made easier by the lengthening nights. But spring is coming, fascinating stories of constellations with really bright stars. Like autumn, it tends toward cloudy skies; the problem with spring is that it's the days that are doing the lengthening, and the nights that are shorter. You don't need a telescope to view the night skies; binoculars (or small scope – ask me if you want advice) will open up the sights, but for the constellations themselves, those stories in the sky, you don't need anything beyond your basic Mark One eyeballs. However, what you will find useful are computing resources to show you what & where to look. My favorite for more than a decade has been "Stellarium" (on computer and not on smartphone); it even teaches me those constellations that I'll need to be going to Chile (or anyplace well south of the Equator) in order to admire.

The fillers in this newsletter remember Charles-Édouard Jeanneret aka "Le Corbusier", an architect who influenced the "glass curtain" style (inevitable that somebody, sooner or later...) of modern cities; luckily for us his La Ville Radieuse (The Radiant City) never took hold (witness Chandigarh, and indirectly, Brasilia, strikingly beautiful but flawed). Who wants to live in a city-sized sculpture?



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Board Meeting Minutes

February 2 th , 2022 at 1900

Via Video Conference

Attending:

Board: President Glen KJ7KLC, VP Joe Wright KG7JWW, Treasurer Rosemary KI7MZH, Secretary Jeramey KF7PMC, Chairman Sheldon N7XEI, Trustees Bob K6MBY and Thomas N7DWU, Absent: None

Others: Rik WX7RIK, Chuck S. WA7EBH

1907 Called to Order by COB Sheldon.

- Motion to approve January 2022 Minutes as posted by Tom, 2nd: Glen; Approved unanimously.
- Repeater Updates
 - Gunderson Repeater update by Bob K6MBY, DR1X sent to Yeasu for diagnosis and repairs.
 - Striped Repeater update by Chuck WA7EBH: Possible controller ground issue. Another trip to site, hopefully resolved this Friday.
 - Potential other repeater system (Bridgecom, etc.)
 - Joe Wright presenting to American Legion for possible Gunderson repeater site repeater grant.
 - Joe Wright thanks to Bob, Chuck and Ed Bowen for their dedication and hard work on resolving the repeater system issues.
- Rosemary presented treasurer report \$ *{withheld}* CK Balance; \$ *{withheld}* in undeposited funds; Savings Account/CD's same as last report. Membership 66 Members + 10 Life; 21 unpaid (2 have moved).
- Cliff sent a new license for W7FEL.

- Fireworks: Sheldon signed agreement, credit card machine up \$20.00; other costs nearly the same. We will be at Safeway again.
- Field Day: Sheldon will act as if Field Day will happen in-person at the Fairgrounds for planning purposes.
- Various discussions about resuming in-person meetings, potential video presentation, etc. plan to continue via Zoom.
 - Motion to adjourn by Jeramey, 2nd: Tom & Joe – approved unanimously.

Member meeting next Wednesday.

Meeting ended 1941.

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Respectfully Submitted,
Jeramey Johnson, KF7PMC
Secretary

Bricks..., are easy to make, easy to stack. But when you build high, every brick must carry all its load above, both static and dynamic (think wind & earthquake); making the base thicker only buys you so much, as that means less room for, well, rooms, people, anything on the bottom floors other than brick. The historical limit has been sixteen stories, the example the Monadnock Building in Chicago.



{ Monadnock Bldg courtesy of [Nate Hofer](#), [CCA-2.0](#) }



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Club Meeting Minutes

Membership Meeting
January 12 th , 2022 at 1900
Via Video Conference

Attending (21 at 1929):

Members and Guests: Brent Besse VA7BNB, KE7Z, Rik WX7RIK; Brent Albright KJ7PWM, Lee K7KC, Mike Ritz W7VO, Roger K7RGR, Carole Woods, Chris WY7W, Chuck Jones N7BV, Ed Bowen, Joe Wright, Mike Barnes N7WPO, Ralph W6EJE, Chuck Stoehr WA7EBH, Jeff Foro WA7HDY, Brian Albright KJ7PWM

Board: President Glen Kilpatrick KJ7KLC, VP Joe Wright, Treasurer Rosemary Day, Secretary Jeramey Johnson, Trustees Bob Sampson K6MBY, and Thomas Clark N7DWU
Absent: Chairman Sheldon N7XEI

1901 Called to Order by President Glen.

Officer Reports:

- o Minutes for December, M: Bob K6MBY, 2nd : Jeramey KF7PMC, approved unanimous by members present.
- o Vice President: Joe gave update on West End and Gunderson repeater and winter weather issues affecting the access to repeater sites.
- o Treasurer: Deposited \${withheld}, Total: 1/11/22 Dues and misc. payments \${withheld} 4 checks outstanding: 2 CDs at \${withheld}, 1 at \${withheld}; Savings \${withheld}.
- Checking: \${withheld}; 2 New Members David Richardson and Eric Simpson Total of 56 Members, 11 Life, 67 Total Members, 30 unpaid/outstanding from last year.

New Business

- o President Glen: Discussion on Pledge of Allegiance and including “under God” versus other versions which omit this.

M: by RIK Wx7RIK, 2nd : Rosemary: When in person, resume “standard” typical Pledge of Allegiance, whilst continuing Zoom meetings, the pledge may be said during pre-meeting. Vote: Unanimous (no dissent) members present PASSED.

o Mike Ritz, W7VO (ARRL NW Division Director) gave FCC legislative update. Hoping for movement on FCC Rules proposals related to Amateur Radio including Technician Enhancement rule proposal.

Social Breakfast: Chuck N7BV will coordinate Port Angeles Breakfast; Bob K6MBY will coordinate Sequim breakfast. Bob will attempt next breakfast 0900 this Saturday, 15-January-22 Mariners Sequim – see note on Groups.IO; it would be outside seating. Follow Clallam Health dept. orders.

Repeaters: Chuck WA7EBH: This Friday, conditions permitting the technical committee will replace power cables and fuses to bring Striped Peak repeater back to full strength. Chuck showed the maxi fuse which was removed from Striped repeater which was found last week. All going well the team will move to Gunderson repeater on Saturday and adjust the operation.

2M Net: Lee: Thanks to our Canadian friends for use of their repeater for morning weather net whilst Striped peak is on reduced capacity.

Program Presentation by W7VO Mike Ritz; FCC Amateur Radio, RF Exposure Compliance “Separating Fact from Fiction” presentation will be sent out to members, and repeated at Sea-Pac in Seaside, OR.

Meeting adjourned 2054.

Respectfully Submitted,
Jeramey Johnson, KF7PMC
Secretary

Travels with Rita

If we could show you how it's possible to talk all over the world, using a portable/handheld radio, running one tenth of a watt, experiencing crystal clear communication, irrespective of any HF propagation, would you be interested? We do it all the time. See this?



It's called a hotspot. We've included a quarter in the photo just to show you how small the unit is. This one is powered through a car's cigarette lighter plug, and we hide the entire unit in the glove compartment of our car.

<https://www.hamradio.com/catalog.cfm>

This is the link to the HRO catalog (above). Look for a ZUMSpot on page 28. There are two newer versions than the one pictured above that we own, but both in the catalog work equally well. We have two of the Elite models, one in the RV that's battery powered, and the other in the truck that's powered by the vehicle battery. The little USB unit is powered through the computer's USB port and will do everything the larger ones will except you don't have the benefit of the on-board monitor. Yes, they need

to be configured for each operator's specific station parameters, but the software is free, and downloaded from the Internet.

So how do these things work? Inside of each of the units, Elite and USB, are two components. They include a very small UHF transmitter/receiver, high power output about 10 milliwatts, low about 1, and a very simple but powerful computer called a Raspberry Pi. It runs on a version of Linux, but don't let that scare you. Everything configured on the micro-mini SD card is done through a GUI interface, through a program called Pi-Star. Once configured, when you transmit, the little receiver inside the ZUMSpot takes your transmitted signal and transfers it to the Raspberry Pi computer. There it's converted into a digital signal which can then be transmitted across the Internet to the receiving end where the process is reversed. When I'm not inside the RV, I use my cell phone for Internet access. As you can see, the Internet does the heavy lifting here, but you're using a digital portable at each end to communicate with, and the results are great!

My most memorable QSO was with a fellow ham located in South Korea. We were driving from Huston Texas going north, and we heard him calling CQ. I answered him and we had a very nice conversation for about 35 minutes. He told me that he used to live in North Korea, and somehow was able to leave. In very general terms, he told me what life was like living in the north, and it wasn't pretty. I guess the government up there kinda' frowns on people surfing the Internet, listening to other than government sanctioned radio broadcasts, and expressing any kind of negative feelings toward those in governmental power at the time. I left that conversation so very glad we live in the



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USA; a country where freedoms are so many times taken for granted.

We hope this article will spark interest in those wishing to branch out a bit in our multi-faceted hobby, and take the challenge of experimenting with a different and very powerful mode.

73,

Rita, KD6BNV and Ernie, W5NH

Email, ernie@thevision.net

Above that “brick limit”, steel becomes the answer, strong, more flexible than (traditional) timber, and carrying the load through columns tied together by girders. A building then becomes a rectilinear steel skeleton; as nobody wants bare-bones flow-thru ventilation, exterior walls, “curtains” are added. And what might those be? Architects were very quick to realize that the ideal material was glass. And in just two steps we’ve arrived at the modern skyscraper.

One of the first to be so associated with glass curtains was the German architect Ludwig Mies van der Rohe, brilliant (in more ways than the obvious) designs but difficult implementations (witness the Seagram Building below, in NYC). Many were inspired by his work, more by his words. Colleagues of Mies upgraded his ideas to town planning, creating paper utopias of identical glass-curtain ziggurats in a horizontal grid connected by wide highways, and green space everywhere else, but no place for the pedestrian, or even the person.



{ Seagram Bldg courtesy of [Robert Ostmann](#), [CCA-2.0](#) – note the uber-expensive bronze cladding }

And the most influential of these was its “lyric poet” Le Corbusier, a brilliant and absolutist architect (perhaps the inspiration for Ayn Rand’s fictional Howard Roark, in The Fountainhead). His “rationalization” of Paris, turning a living city into a steel-and-glass utopia unfit for mere humans, was luckily never fulfilled. But a mere “block” of such a Radiant City was built (in concrete as steel would have been too expensive) in Marseilles, the Unite d’ Habitation; those who came to dwell in it just didn’t appreciate his “plain, morally elevating interiors” (words of the author Robert Hughes, see end reference), and misused the original purposes of things to suit themselves.



{ Unité d’habitation Le Corbusier (Marseille) courtesy of [ADEUPa Brest](#), [CCA-2.0](#) }



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GUNDERSON MOUNTAIN REPEATER NEWS!

Lately many of us have been hearing stuff like; “the repeater is up, the repeater is down, we have more adjustments to do” and other commentary about the repeaters. Here are my comments about that starting with thank you’s.

I start this article by thanking all the guys who keep stepping forward and volunteering to keep the repeaters running. My special thanks goes out to Bob Sampson, Chuck Stroehrer, and Ed and Chris who have been the brave souls that have been going up the mountains in less than ideal conditions to keep our system up and running. Bob and Chuck also keep working out the issues as they come up including the programming that is needed. I also want to publicly thank the anonymous donor of the new controller that is currently up on Gunderson. I also thank a couple of the gang out here where I live on the West End who jump in when asked, thank you Dave N1DYB and Neris WA7NJB. Those guys are a key part to a lot out here in the forest.

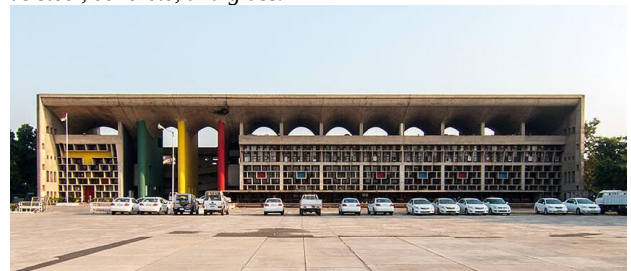
So now let’s talk about repeaters starting with my hearing that the guys were up to Striped and made a major change up there a couple of days ago. That takes care of that end of the system I think so let’s talk about Gunderson Mountain. I am lucky enough to belong to two very special groups and I’m even an officer in each of them. Not only am I in the CCARC gang but I am also a member of Forks American Legion Post 106. I had been asked to make a presentation at our meeting on Thursday, February 3rd to present a request and costs for the purchase of a new repeater and hardware for Gunderson. It was very rewarding being able to tell our group

about our involvement in the county emergency management operations and to get unanimous approval for the purchase of the new equipment. American Legion Post 106 is very serious and sincere in serving our community and our neighbors. Thanks to them we will soon have a brand new Bridgecom Repeater with all the bells and whistles and another new Arcom controller. The reason for yet another new controller is to allow for a spare to be available when we have times like this again. Thanks to our ARES group for the loaner repeater that is up on the mountain right now. And moving forward we will also be covering the batteries for all of our protection and the original antenna up on Gunderson is being traded out for one with higher gain and better coverage. By the way, the Yaesu is set at 20 watts and the new Bridgecom will be at 40 watts. Not a bad upgrade!

Thank you Clallam County Amateur Radio Club and Forks American Legion Post 106 for your interest in our communities!

Joe Wright

However, Le Corbusier did eventually create what he intended, directly in Chandigarh (capital city of the Punjab and Haryana States of India) and indirectly in Brasilia (federal capital of Brazil). Both are ghastly, city-sized sculptures where small, governmentally-oriented populations inhabit, but nobody really "lives". The Radiant City needs humans designed for it rather than the other way around, and so succeeds more as idea than as steel, concrete, and glass.



{ High Court, Chandigarh (cropped from original) courtesy of [Fernando Stankuns](#), [CCA-2.0](#) }



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Officers and Board Members

- President (& Newsletter Editor) [Glen Kilpatrick KJ7KLC](#) 503-776-0877
- Vice President [Joe Wright KG7JWW](#) 360-640-9548
- Secretary [Jeramey Johnston KF7PMC](#)
- Treasurer (& Membership) [Rosemary Day KI7MZH](#) 360-457-6895
- COB [Sheldon Koehler N7XEI](#)
- 2nd Year [Bob Sampson K6MBY](#) 360-477-0776
- 1st Year (& Inventory Manager) [Thomas Clark N7DWU](#) 719-238-8576
- Trustee [Clif Keely AA6FE](#)

Nets, Frequencies, &c

- CCARC Net every Thursday at 7:00 pm on Striped Peak Repeater 146.760 minus with tone 100 Hz
- Clallam ARES Net Tuesdays at 7:00 pm on Striped Peak Repeater 146.760 minus with tone 100 Hz
- “Weather Net” daily at 9:00 am on Striped Peak Repeater 146.760 minus with tone 100 Hz
- “The Watering Hole” SSB Net daily at 5:30pm Port Angeles 28.450 (USB)
- Olympic Peninsula DMR Sunday afternoon 4:30 pm Talk Group 31531 on K6MBY DMR or WF7W DMR or KC7EQO DMR or your local hotspot
- WF7W Port Angeles 145.310 minus tone 100 Hz
- KC7EQO Blyn Lookout 442.100 plus tone 100 Hz
- K6MBY/W6MPD 444.900 plus K6MBY (Sequim) tone 131.8 Hz or W6MPD (PA) tone 107.2 Hz

New Members

- N6NJZ David C Richardson

Items for sale

- "Lorem ipsum..."

Items wanted

- "Lorem ipsum..."

Announcements

- "Lorem ipsum..."



{ Brasilia courtesy of [Cristina Rosa](#), [CCA-3.0 \(en Espanol\)](#) }

References: My research comes from the book based on the BBC series [The Shock of the New](#) (both) by the late art critic Robert Hughes, and specifically on chapter four, "Trouble in Utopia", and the images via Duckduckgo.