



NOVEMBER 2021

Volume 10 Issue 11

# VE3ERC-LUB



**President:** Ted VE3TRQ  
**Vice-President:** Frank VA3FJM  
**Secretary:** Kirk VA3KXS  
**Treasurer:** Paul VA3PDC  
**Trustee:** Wes VE3ML  
**QSL Manager:** Kirk VA3KXS  
**Repeater Trustee:** Wes VE3ML  
**Website Admin:** Ted VE3TRQ  
**Lighthouse:** Al VA3TET  
**Maple Syrup Display:** Al VA3TET  
**Newsletter:** Bob VE3IXX  
**ERC Website:** <https://ve3erc.ca>

## ERC REPEATERS

**UHF 444.700 + TONE: 131.8**  
**UHF 444.700 + TONE: 123.0**  
**VHF 147.390 + TONE: 123.0**  
**VHF 147.255 + TONE: 131.8**  
**EMERGENCY SIMPLEX: 147.51**  
**UHF-IRLP node 2404,ECHOLINK VE3ERC-L**  
**VHF- IRLP node 2403,ECHOLINK VE3ERC-R**

**In an emergency, tune**  
**Into our repeaters,**  
**UHF 444.700 or**  
**VHF 147.390 or**  
**HF 3.755 LSB or**  
**Simplex 147.510**  
**For coordination and**  
**assignments.**



**Adcock four element antenna array**  
**WWII Naval direction finding station.**  
**Locating and deciphering messages**  
**were critical during the war. See more**  
**page 4.**



Radio Amateurs  
of Canada

# THE PREZ

This club is Radio-ACTIVE

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President's Update for November 2021

## President's Musings for November 2021



There is a continual discussion among amateur radio operators: Does amateur radio ONLY involve RF? If a computer or an Internet connection is involved, is it NOT amateur radio?

I'm a firm believer that amateur radio is all about **communications and community**. Any technology that facilitates that is fair game in amateur radio, and that includes the entire electro-magnetic spectrum and all the ways we can move electrons! I can think of radio (lf/mf/hf/vhf/uhf/shf/microwave, etc.), video, VOIP, cellphone, landline, computer network, AREDN (Amateur Radio Emergency Data Network - Mesh), Hamshack Hotline (VOIP / PBX), etc.

When someone complains "But it's not radio!", just smile and continue experimenting using whatever you and fellow hams enjoy doing. This hobby has a tent so broad, anyone fits.



**From  
the**

**PAST**



It is with a great deal of sadness that I report Al (VA3TET SK) died yesterday evening, Friday Nov 26. We will all miss his dedication to amateur radio, his warmth, humour, and wit, and especially his cooking. Keep Al's family in your thoughts.

**Ted VE3TRQ**  
**President, Elmira Radio Club**



Bill VA3QB sent along the link to a fascinating story of a Canadian woman, Marjorie Stetson, who spent the WW2 years copying CW messages from the Japanese. These were sent on to secret centres to be deciphered. Bill wrote"

## The Code Women of WWII

This is a very interesting woman who kept a secret for over 80 years !

[https://www.cbc.ca/news/politics/second-world-war-marjorie-stetson-japan-1.6239427?fbclid=IwAR3mp8WctCb9YA-lznF-ObVrX1-xQJY5WCwqnZGRGqxBRr\\_05RgtfM5avw](https://www.cbc.ca/news/politics/second-world-war-marjorie-stetson-japan-1.6239427?fbclid=IwAR3mp8WctCb9YA-lznF-ObVrX1-xQJY5WCwqnZGRGqxBRr_05RgtfM5avw)



## 73 Bill VA3QB

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Rod Murray VA3MZD shared a story of his father who served in the navy during WW2:

Following up on this morning's Remembrance theme. My son, while studying digital journalism, interviewed my father in 2013 about going to war. My son used an NFB clip to further develop the story about being a submarine detector in the Royal Canadian Navy in WWII. Mom also makes a cameo. A great remembrance of them both. Have a look.

<https://youtu.be/I6fm8i763rw>

Also, here's the photo I mentioned of dad celebrating the end of the war in the Pacific at the naval base in Esquimalt, Victoria, BC. They took the ship down through the Caribbean and the Panama Canal stopping in LA, then to Victoria. On Christmas Day, 1945, they were told the war was over! Dad is the one in the back row, 3rd from the left, drinking a beer, not smoking the celebratory cigar!

Lest we forget!



In keeping with our Remembrance Day theme Rod VE3MZD sent the following:

This is an amazing little story about our amazing little church in Elora. Back in the Spring the Knitters and Quilters group heard about the Poppy Project started by the Anglican Cathedral in Calgary. They decided to knit or crochet 1500 poppies to mark the 100th anniversary of the poppy as a symbol of remembrance and peace. They collected over 7000 poppies locally made by the Knitters and Quilters and members of the community who wanted to contribute! Then, as the project idea spread, poppies were received from contributors around the world. The Knitters and Quilters spent hours attaching each poppy to a net. A local school group assisted. Last week, a small crew climbed up inside the steeple and the nets of poppies strung on strong cables were lifted up and attached. It's an extraordinary sight! If you are nearby, make a point of stopping to see this amazing art installation. The church will be open Saturdays and Sundays if you wish to see inside, as there are poppies installed inside as well. There's some very historical aspects to the Nave of the church worth discovering. However, it's the remarkable people involved with projects like this that are extraordinary! There is a video on the church YouTube channel that tells the story of the Poppy Project. Please like and share this post and the video to help spread the story! The local media have been reporting on it too. Almost 10000 people have now seen this Facebook post.



Also, the Wellington County Museum has a memorial to all those residents of Wellington County who gave their lives in the service of their country in WWI, WWII, Korea, UN Peacekeeping, Afghanistan.

Lest We Forget

**Rod Murray VA3MZD**  
**Fergus, ON**

## MORE CORRESPONDENCE

Thanks to Mike VE3MKX for the following:

Hi Everyone....its time to play Radio!!

Some very interesting links and info to get you on your way!

73 Mike VE3MKX

### QRP

<https://qrper.com/2021/11/qrper-notes-nt0zs-stealth-antennas-matts-super-qso-app-the-communicator-and-andy-tests-the-ax1/>

### Story of the ham radio call sign---MUST SEE

<https://www.youtube.com/watch?v=Su76QvChuEU>

### Radio Alert APP

<https://hamalert.org/about>

### SDR—Thanks Tim for the links!

<https://www.youtube.com/watch?v=0C105uGsYh0>

### Solar Flux

[http://heartlandhams.org/sfi-number/?fbclid=IwAR3Yo7J9ydtHM47jLVTzDtT-xOzVwrRQzZuMqJ3qto4JN\\_01HTGOgiKMI4g](http://heartlandhams.org/sfi-number/?fbclid=IwAR3Yo7J9ydtHM47jLVTzDtT-xOzVwrRQzZuMqJ3qto4JN_01HTGOgiKMI4g)

### Antennas

[http://www.n5dux.com/ham/files/pdf/?fbclid=IwAR0wHnTKRSoOs0Fpg56h3sUIOzxTNoQ2N7JAFGX9Ye6o\\_XKwzZA\\_LAO6EXE](http://www.n5dux.com/ham/files/pdf/?fbclid=IwAR0wHnTKRSoOs0Fpg56h3sUIOzxTNoQ2N7JAFGX9Ye6o_XKwzZA_LAO6EXE)

### PROJECT ELF

<https://ss.sites.mtu.edu/mhugl/2015/10/11/clam-lake-wi-elf-transmitter/>

<https://pages.hep.wisc.edu/~prepost/ELF.pdf>

## CORRECTION

Our apologies to  
Tony VE3DWI  
Marianne VE3MXT  
who were missed in the Attendance list for  
the minutes of the October Meeting.



# ERC Elmira Radio Club Inc. - Meeting Minutes

November 24, 2021

<p><b><u>Attendance - Members</u></b></p> <p>Al Dee VA3DZZ</p> <p>Bill Reid VA3QB</p> <p>Bob Koehl VE3IXX</p> <p>Bruce McLellan VE3QB</p> <p>Doug Kuhn VE3CXU</p> <p>Gary Kornstein VE3JGK</p> <p>Jack Sinclair VA3WPJ</p> <p>John Linnerth VE3OVO</p> <p>Judd Hodge N4WXU/VE3WXU</p> <p>Ken Buehler VE3KCY</p> <p>Linda Willis VE3CZ</p> <p>Marianne Lelieveld VE3MXT</p> <p>Mike Willis VE3FE</p> <p>Rich Clausi VE3DCC</p> <p>Rick Brown VE3IMG</p> <p>Rod Murray VA3MZD</p> <p>Thomas Daniel VA3VRA</p> <p>Tom Mahony VE3DXQ</p> <p>Tony Lelieveld VE3DWI</p>	<p><b><u>Attendance - Officers</u></b></p> <p>Ted Rypma VE3TRQ – President</p> <p>Frank Monteith – Vice President</p> <p>Paul Curtin VA3PDC – Treasurer</p> <p>Kirk Sinclair VA3KXS – Secretary</p> <p><b><u>Guests:</u></b></p> <p>Tracy McKim VE3TWM</p>
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**Meeting Location:** Zoom

## **Meeting Minutes**

### **1. Call to Order:**

- a. Meeting was called to order by President, Ted Rypma VE3TRQ at 7:30pm and he welcomed everyone present.

### **2. Roll Call:**

- a. Roll call established those present and it was noted quorum had been attained.

### **3. Approval of Agenda:**

- a. The agenda was circulated via email prior to the meeting and Kirk displayed a copy on the screen.
- b. *MOTION to approve the agenda as presented.*

**Motion By:** Paul VA3PDC

**Carried**

**4. Presentation – Tracy McKim VE3TWM**

- a. Tracy is the creator of the “Outdoors On the Air” YouTube channel and was kind enough to present “HF Portable – Answering the Call while Camping”. <https://youtu.be/hQLDR-95Fm4>

**5. Secretary Report:** Presented by Kirk Sinclair VA3KXS.

- a. Correspondence Received:
  - i. None.
- b. Minutes of the October 27, 2021 meeting were emailed to members on the same day.
  - i. No errors were mentioned.
- c. *MOTION to approve the minutes of the October 27, 2021 meeting.*

**Motion By:** Tony VE3DWI

**Carried**

**6. Treasurers Report:** Presented by Paul Curtin VA3PDC

- a. Details of transactions for the month of October were displayed on screen.
- b. *MOTION to approve the financial statements for October 2021.*

**Motion By:** Judd VE3WXU/N4WXU

**Carried**

**7. Presidents Report:** Presented by President Ted Rypma VE3TRQ.

- a. Ted commented it is great to now have 43 members and encouraged folks to put their name forward to join the board and help run the club.
- b. There are VHF/UHF nets daily at 8:15-9:00AM as well as weekly nets on Wednesday at 8:00PM. Thank you to all the regular NET controllers. If anyone has interest in becoming a controller, please volunteer and help share the load.
- c. If you have any suggestions for activities to keep the membership engaged & interested, please bring those forward.

**8. Committee Reports:**

- a. Safety Committee - Kirk Sinclair VA3KXS
  - i. Nothing to report this month.
- b. Winter Field Day Committee
  - i. Bill suspects Winter Field Day will be another home event. It would be nice to operate under the club banner if the rules allow. The ve3erc.ca logging solution will be up and running and details will be provided via groups.io.
  - ii. RAC Winter Contest - December 18, 2021
  - iii. Winter Field Day - January 29/30, 2022

**9. Unfinished Business**



- a. Repeater Technical Committee - Bill Reid VA3QB / Tony VE3DWI
  - i. Tony is still working on the repeater he is repairing.
  - ii. The UHF repeater antenna is still somewhat compromised at Ted's location. Help will be required to investigate and resolve the issue.
- b. Update on RAC Insurance - Paul VA3PDC / Kirk VA3KXS
  - i. As requested at the previous meeting, Paul reported insurance fees for the club repeaters would be \$52 to cover \$5,200 for the two repeaters. The RAC affiliation fee and club insurance fees will be similar to past years.
  - ii. *MOTION to authorize payment of the VE3ERC RAC Affiliation and Insurance fees, including coverage for the two Yaesu repeaters.*

**Motion By:** Judd VE3WXU/N4WXU

**Carried**

- c. Wednesday Coffee get togethers
  - i. Thanks to John VE3OVO for the meeting venue, the events have been a great success.

## 10. New Business

- a. Nomination Committee - Ted VE3TRQ
  - i. Ted called for volunteers for the Nomination Committee. Rich agreed to seek some members for the committee and we can revisit in December.
- b. ONTARS Santa on the Air - Frank VA3FJM
  - i. Frank will be doing Santa on the Air on December 17 at 5pm & December 18 at 6pm from Bob VE3IXX's trailer. He encourages everyone to get the kids and grandkids to call into Santa.
- c. Gary Hammond - Nominated to the Radio Hall of Fame
  - i. Rich suggested we send a note of congratulations and perhaps invite as a speaker.
  - ii. Tony VE3DWI offered to contact Gary and invite him to speak at a later date.
- d. Camera/audio for future in-person meetings
  - i. Gary VE3JGK suggested it may be worthwhile for the club to investigate purchasing a dedicated video/audio setup that could be used if we meet in person again.
  - ii. Gary volunteered to look into options.

## 11. Announcements

- a. The next meeting will be held Wednesday, December 22, 2021.

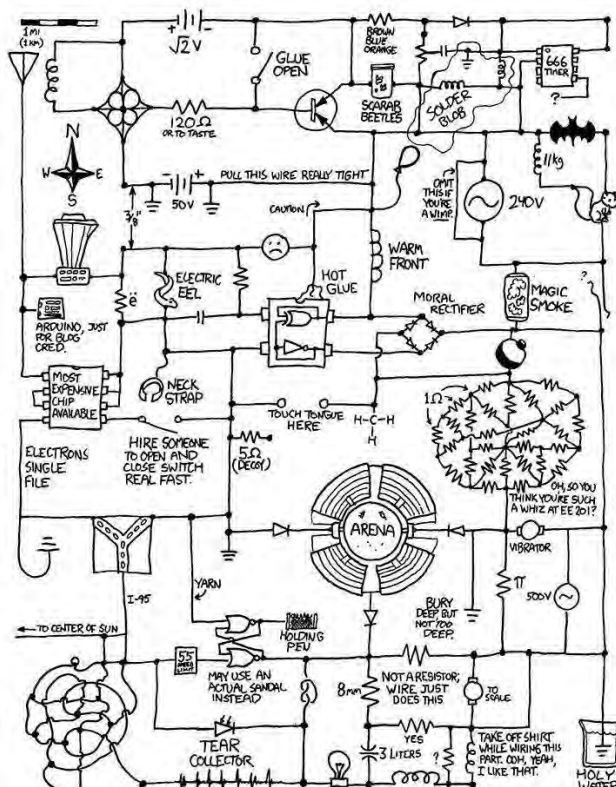
## 12. Adjournment

- a. *MOTION to adjourn at 9:07pm*

**Motion By:** Judd VE3WXU

**Carried**

**Bob** **bobve3ixx@gmail.com**  
**(519-787-2279)**



**OCTOBER 13 - FRANK VA3FJM**  
**OCTOBER 20 - TOM VE3DXQ**  
**OCTOBER 27 - MEETING**  
**NOVEMBER 3 - TONY VE3DWI**  
**NOVEMBER 10 - BRIAN VA3DXK**  
**NOVEMBER 17 - BOB VE3IXX**  
**NOVEMBER 24 - MEETING**  
**DECMEBER 1 - TED VE3TRQ**  
**DECEMBER 8 - BILL VA3QB**  
**DECEMBER 15 - KIRK VA3KXS**  
**DECEMBER 22 - MEETING**  
**DECEMBER 29 - REG VE3RVH**  
**2022 JANUARY 5 - FRANK VA3FJM**

# A Wikipedia for Ham Radio?

By Dan Romanchik, KB6NU

I and co-author David Sawicki, WA3DS, have just published the *Ham Radio Reference*. The book took quite a while to write because there's quite a bit of information in it. Not only does it contain an extensive glossary of amateur radio terms, there are chapters on:

- CW abbreviations and Q signals.
- Amateur radio bands and frequency allocations.
- Call district, U.S. section, ITU region, and CQ region maps.
- Part 97 rules.
- DX Code of Conduct.
- Traffic handling.

The technical reference section includes information on:

- Units of measurement.
- Scientific notation
- Ohm's Law, power, and decibels.
- Frequency, wavelength, and antenna lengths.
- Resistor color code.
- Schematic symbols.
- Wire and coaxial cable data.
- Data communications interfaces.

The book is available in both PDF (<https://www.kb6nu.com/product/ham-radio-reference/>) and Kindle (<https://www.amazon.com/Ham-Radio-Reference-David-Sawicki-ebook/dp/B09MC7WFWV/>) versions.

Publishing this book got me thinking about another idea, though. After I sent copies to my colleagues at [Amateur Radio Digital Communications](https://www.wampr.org) (<https://www.wampr.org>), Rosy, KJ7RYV, our executive director, emailed me:

"Dan, this is great! Thank you.

I wonder...what if we made a page on our website that was just a set of links to references like this. It could be helpful, especially for beginners. What do you think?"

At ARDC, we had just created a list of other amateur radio resources for internal use, and I had a similar thought about putting that list online. The list reminded me of the AC6V website (<http://ac6v.com/>), which included all kinds of good stuff for radio amateurs. Unfortunately, as is noted on the website, "AC6V.com is an archive of Rod/AC6V's webpages, and is no longer being updated."

Rod, AC6V, passed in 2008 and many of the links on AC6V.Com are now dead, and much of the infor-

mation is outdated. And, there are a lot of new resources—like our new book—that are missing. Since there aren't any other encyclopedic resources for ham radio—at least none that I know of—I am proposing that we form a group to develop a "Wikipedia for ham radio." It would be a lot of work, but if we could recruit a community of editors, then it might be doable. In addition, a group effort would be a lot more dynamic and sustainable than a one-person effort.

So, I'm throwing this out there. Do you think it's worth creating an up-to-date AC6V.Com? Should it be a wiki or perhaps some other kind of website? Would you be willing to help? If so, send me an email (cwgeek@kb6nu.com). If there's enough support for this idea, perhaps we could get the ball rolling after the first of the year.

=====

Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the "No Nonsense" amateur radio license study guides (<https://KB6NU.Com/study-guides/>), and often appears on the ICQPodcast (<https://icqpodcast.com>). When he's not thinking up crazy ideas like a Wikipedia for ham radio, he operates CW on the HF bands and plays around with software-defined radio.

## Heath HW-16 Modifications By Norm Freidin VE3CZI

I purchased this Heath HW-16 USED from a chap who was a fellow Tech and liked to modify equipment. He passed away and the HW-16 was stored in a dry basement for 10 Years.

I received this unit and from initial inspection, was in good condition without any rust or corrosion.

Although I received the original Manual, I did not receive any documentation on the many modifications he had made, so I spend about 3 weeks, tracing out and making schematics on how the mods were wired into the existing circuitry.

After all the work, the unit powered up OK. Receiver had good "On The Air" Sensitivity compared to my Kenwood TS-590S with nice Audio. The Transmitter had very LOW Output. Checked for Filament Glow on the tubes, and found the 6GE5 Final had NO Glow. Filament Continuity checked OK, and after tracing the wiring, found the Filament 6.3 VAC had been routed to a switch on the front panel, I suppose to conserve Filament and prolong the tube's life. The Transmitter now had 40 Watts Output on 40M and 80M with slightly less on 15M with nice CW Signal on my Kenwood Receiver.

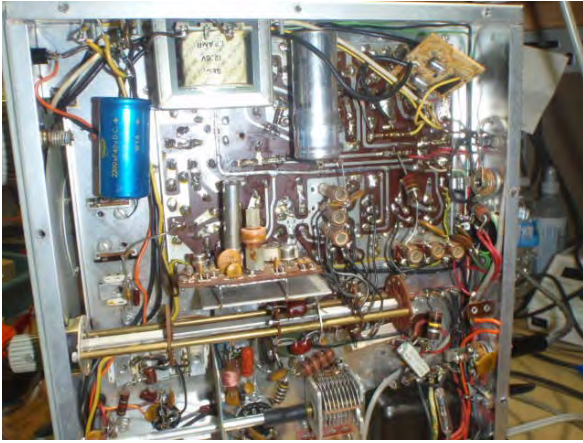
Note that controls were relocated to accommodate modifications.

Modifications that were made:

- 100 Khz Osc Selectable on Front Panel with Push Switch
- Switch to turn 6GE5 Filament ON/OFF







- MFJ CWF-2 Audio Filter inserted into the Audio Path to give better selectivity on receive (selectable)
- V5 12AX7 was replaced with two MPF-102 FET units (as it had 2 triodes) wired onto a plug in unit.
- V6 6HF8 was replaced with an LM-380 Solid State Amplifier.

A Push Button on Front Panel turned 6.3 VAC ON/OFF to the rear Octal Plug to con-

trol the HG-10B VFO

I am submitting this modified HW-16 to show what other changes could be made to this versatile CW Rig, Can not wait until SKN at the End of the Year...of maybe before ! !

73...Norm Freidin VE3CZI

