



DECEMBER 2018

Volume 7 Issue 12

VE3ERC-LUB

President: Brian VA3DXK
Vice-President: Ted VE3TRQ
Secretary: Tom VE3DXQ
Treasurer: Paul VA3PDC
Trustee: John VE3JXX
QSL Manager: Paul VA3PDC
Repeater Trustee: Wes VE3ML
Website Admin: Ted VE3TRQ
Lighthouse: Al VA3TET
Maple Syrup Display: Al VA3TET
Newsletter: Bob VE3IXX

ERC REPEATERS

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



**'Twas the Night Before Christmas -
see page 8.**



**Radio Amateurs
of Canada**

**HAM TECH 2019
WILL BE SEPTEMBER 21, 2019**

THE PREZ SEZ!

This club is Radio-ACTIVE

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President's Update for December 2018



The EXECUTIVE
OF THE ELMIRA RADIO CLUB
WANT TO WISH
YOU AND YOUR FAMILIES
A VERY
MERRY CHRISTMAS
AND A
HAPPY YEAR

COFFEE CLUB CHRISTMAS LUNCHEON



**Thanks to
AI VA3TET (top centre)
For organizing the
Luncheon at
Luther Village.**

Happy ERC Christmas

Al VA3TET and Joan



Sandy and Ted VE3TRQ



Barb and
Tom VE3DXK



Doug VE3CXU and
Annette.



Marianne VE3MXT and
Tony VE3DWI



Evelyn and Reg VE3RVH



Bruce VE3QB and
Rose



Mary and Jim VE3JMU

Bill VA3QB with
Santa



Dan VA3SQD and
Anik



Dennis
VE3UTN



Wes VE3ML and
Selma



Bob VE3IXX and Bonnie VA3IXX



Frank VE3FJM and
Judy



Doug and Joan were the winners of the draw.



Dennis VE3UTN with "visions of ICOM dancing in his head!"

Mike VE3MKX sent the following:

Hi You can post this in your news letter... Bill VA3OL gave permission to use it... Cut and paste !

This is the article that I wrote years ago about dsp filtering and spectrogram. Thought the graphs might be interesting. Page 9 to 12

http://www.ve3kbr.com/newsletters/KAN_May_2006.pdf

Download Spectrogram

<http://www.w3fpr.com/>

All you have to do is download the program from this site... connect a cable from your audio out on your rig to the mic on your computer...
Thats it !

73 Mike

The next e-mail Mike sent contains actual receivers you can tune on the Hf bands with your computer..

Nice Site..

Use the + and _ to tune !

<https://sdr.hu/?q=canada>

<http://qrznow.com/latest-posts/>

73 Mike

Merry Christmas !

Wanted:::

**Volunteers to be part of a committee to run and oversee Ham Tech. This is an opportunity for the club to earn revenue and bring valuable information to the amateur radio community. Please step up!!
Both Rich and Al are unable to take an active roll for 2019.**

Hi Bob,

You may find this a nice poem for the news letter. Please give credit to Mike KM4MI.

73, Tony VE3DWI.

T'was the night before Christmas sent to me by Mike KM4MI

'Twas the night before Christmas
And all through two-meters,
Not a signal was keying up
Any repeaters.

The antennas reached up
From the tower, quite high,
To catch the weak signals
That bounced from the sky.

The children, Technicians,
Took their HT's to bed,
And dreamed of the day
They'd be Extras, instead.

Mom put on her headphones,
I plugged in the key,
And we tuned 40 meters
For that rare ZK3.

When the meter was pegged
By a signal with power,
It smoked a small diode,
And, I swear the tower.

Mom yanked off her phones,
And with all she could muster,
Logged a spot of the signal
On the DX PacketCluster,

While I ran to the window
And peered up at the sky,
To see what could generate
RF that high.

It was way in the distance,
But the moon made it gleam-
A flying sleigh,
With an eight element beam.

And a little old driver
Who looked slightly mean,
So I thought for a moment
That it might be Wayne Green.

But no, it was Santa,
The Santa of Hams,
On a mission this Christmas
To clean up the bands.

He circled the tower,
Then stopped in his track,
And he slid down the coax
Right into the shack.

While Mom and I hid
Behind stacks of CQ,
This Santa of hamming
Knew just what to do.

He cleared off the shack desk
Of paper and parts,
And filled out all my late
QSLs, for a start.

He ran copper braid,
Took a steel rod and pounded
It into the earth
Till the station was grounded.

He tightened loose fittings,
Resoldered connections,
Cranked down modulation,
Installed lightning protection.

He neutralized tubes
In my linear amp...
(Never worked right before-
Now it works like a champ).

A new low-pass filter
Cleaned up the TV.
He corrected the settings
In my TNC.

He repaired the computer
That wouldn't compute,
And he backed up the hard drive
And got it to boot.

Then he reached really deep
In a bag that he brought,
And he pulled out a big box.
"A new rig?" I thought!

"A new Kenwood? An Icom?
A Yaesu, for me?
An Elecraft, TEN-TEC
Or Flex, could it be!"
(If he thought I'd been bad
It might be QRP!)

Yes! The Ultimate station!
How could I deserve this?
Could it be all those weekends
I worked public service?

He hooked it all up
And in record time, quickly
Worked 100 countries,
All down on 160.

I should have been happy.
It was my call he sent.
But the cards and the postage
Will cost a month's rent!

He made final adjustments,
And left a card by the key:
"To Gary, from Santa Claus.
Seventy-Three."

Then he grabbed his HT,
Looked me straight in the eye,
Punched a code on the pad,
And was gone—no good bye.

I ran back to the station,
And the pile up was big.
But a card from St. Nick
Would be worth my new rig.

Oh, too late, for his final
Came over the air.
It was copied all over.
It was heard everywhere.

The Ham's Santa exclaimed
What an old ham expects:
"Merry Christmas to all,
And to all, good DX."

ANTENNA DIMENSION CHART

AMATEUR RADIO ANTENNA LENGTH CHART

	FREQUENCY (Mhz)	1/4 λ (Feet)	1/2 λ (Feet)	1 λ (Feet)	1/2 λ Inv Vee 90° (Feet)
160 METERS	1.800	130' 0"	260' 0"	558' 4"	257' 5"
	1.850	126' 6"	253' 0"	543' 3"	250' 5"
	1.900	123' 2"	246' 4"	528' 11"	243' 10"
	2.000	117' 0"	234' 0"	502' 6"	231' 8"
80 METERS	3.500	66' 10"	133' 9"	287' 2"	132' 5"
	3.750	62' 5"	124' 10"	268' 0"	123' 7"
	3.900	60' 0"	120' 0"	257' 8"	118' 10"
	4.000	58' 6"	117' 0"	251' 3"	115' 10"
40 METERS	7.000	33' 5"	66' 10"	143' 7"	66' 2"
	7.150	32' 9"	65' 5"	140' 7"	64' 10"
	7.300	32' 1"	64' 1"	137' 8"	63' 6"
30 METERS	10.100	23' 2"	46' 4"	99' 6"	45' 10"
	10.150	23' 1"	46' 1"	99' 0"	45' 8"
20 METERS	14.000	16' 9"	33' 5"	71' 9"	33' 1"
	14.150	16' 6"	33' 1"	71' 0"	32' 9"
	14.300	16' 4"	32' 9"	70' 3"	32' 5"
	14.350	16' 4"	32' 7"	70' 0"	32' 3"
17 METERS	18.068	12' 11"	25' 11"	55' 7"	25' 8"
	18.168	12' 11"	25' 9"	55' 4"	25' 6"
15 METERS	21.000	11' 2"	22' 3"	47' 10"	22' 1"
	21.200	11' 0"	22' 1"	47' 5"	21' 10"
	21.450	10' 11"	21' 10"	46' 10"	21' 7"
12 METERS	24.890	9' 5"	18' 10"	40' 5"	18' 7"
	24.990	9' 4"	18' 9"	40' 3"	18' 6"
10 METERS	28.000	8' 4"	16' 9"	35' 11"	16' 7"
	28.500	8' 3"	16' 5"	35' 3"	16' 3"
	29.700	7' 11"	15' 9"	33' 10"	15' 7"
6 METERS	50.000	4' 8"	9' 4"	20' 1"	9' 3"
	54.000	4' 4"	8' 8"	18' 7"	8' 7"
2 METERS	144.000	1' 8"	3' 3"	7' 0"	3' 3"
	148.000	1' 7"	3' 2"	6' 9"	3' 2"

Antenna length calculations are based on the following formulas:
 1/2 wave dipole (feet) = 468/frequency in Mhz
 Full wave loop (feet) = 1005/frequency in Mhz
 Inverted Vee with 90 degree included angle is 99% the length of 1/2 wave dipole

Note:
 Cut wire slightly longer to allow for connecting insulators and pruning.
 Height above ground, nearby wires, trees, etc. will change tuning slightly.

MILLENNIA
ARTS

NOTE:

ALL MEASUREMENTS ON THE CHART IS PER LEG

Thanks to Tony VE3DWI for sending this handy antenna chart.

CONTRIBUTIONS TO VE3ERC-CLUB NEWSLETTER

Do you have an article you'd like to submit? Or photos? Do you have any comments you'd like to make?

Perhaps you'd like to share a photo of your shack, a special project you are working on or a special interest!

SEND THEM TO:

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



WEDNESDAY NITE NET CONTROLLERS

DECEMBER 5 - AL VA3TET

DECEMBER 12 - REG VE3RVH

DECEMBER 19 - TOM VE3DXQ

DECEMBER 26 - PAUL VE3PVB

2019 JANUARY 2 - BRIAN VA3DXX

JANUARY 9 - BOB VE3IXX

JANUARY 16 - TED VE3TRQ

JANUARY 23 - M E E T I N G

JANUARY 30 - AL VA3TET

FEBRUARY 6 - REG VE3RVH

FEBRUARY 13 - TOM VE3DXQ

FEBRUARY 20 - PAUL VE3PVB

ERC SILENT KEYS

Harry Eix VE3EIX
Wallace Caughell VE3LCR
Ralph Brubacher VE3EUC
Ken Moore ?
Syd Lennox VE3CQO
Bill Graham VE3ETK
Michael Dent VA3FTL
Bing Harris VE3BAH
Ross Mills VE3BZC
Wayne Peti VE3CWY
Bob Naylor VE3AEE
Fred Mosher VE3IXY
Ted Bodman VE3CD
Alan Ward VE3UTO

VISIT THE ERC WEBSITE AT

www.ve3erc.ca