June 2018

4672 O'Keefe Road; St. Andrew's West; Ontario K0C 2A0

Next S.V.A.R.C. Meeting

Where: <u>St. John Ambulance Head Quarters, 1001 Sydney St.</u> <u>- Unit #2</u> (Sydney St. between 10th and 11th St., across from Your Independent Grocer rear truck entrance on Sydney St. Use the front door marked "Training Entrance". This is the north end of the Cornwall Electric office building.)

When: June 27, 2018 at 7:30pm (coffee at 7pm)

Guest Speaker: none identified at this time.

SVARC Executive for 2018-2020

Vice President: Doug Pearson (VE3HTR)

Secretary: Dean Brush (VA3BS)

Treasurer: Elizabeth Halliwell (VE3EZH)

Technical Consultant: Doug Pearson

Club Membership:	Elizabeth Halliwell
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SVARC Net Manager: Elizabeth Halliwell

ARES Coordinator: Earle DePass (VE3IMP)

Managing Editor and Publisher, SVARC Newsletter: James Richardson (VE3AFV)

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For this last issue of the newsletter I would like to dedicate it to Art Horovitch. Over the past several years Art has regaled us with his (and Suzan's) travel adventures in the U.S.A. during our frigid winters in Canada. Art has continued to provide many other articles of interest for us, including no less than five submissions to this June's issue alone.

As editor I am always asking (sometimes pleading) our members for articles or other items of interest to include in the monthly newsletter. Art has not only 'stepped up to the plate' to help me out, but has continued to hit 'home runs' with his fascinating tales and pictures.

Thank you Art.

This last issue is dedicated to you.

Jim Richardson, editor/publisher

Seaway Valley Amateur Radio Club (SVARC) Inc.

4672 O'Keefe Road St. Andrews West, On. K0C2A0









Agenda General (Monthly) Meeting Wednesday June 27, 2018 St. John Ambulance HQ Unit 2, 1001, Sydney St. Cornwall ON

(Sydney St. between 10th and 11th St., across from Baxtrom's Your Independent Grocer rear truck entrance on Sydney St. Use the front door marked "Training Entrance". This is the north end of the Cornwall Electric office building.)

07:00 PM	Soft drinks and socializing
07:30 PM	Meeting starts / welcome – Ed VE3EAH, President

Business Arising:

Minutes of last meeting (May 30st, 2018) – Dean (VA3BS) Treasurers Report – Elizabeth (VE3EZH) Net Controllers Report – Elizabeth (VE3EZH) Newsletter Report – Jim VE3AFV Miscellaneous Reports Repeater Report - Doug (VE3HTR) ARES Reports - Doug Field Day 2018 50/50 Draw

New Business: Operators for MS Bike Tour Discussion on Net Operations

Presentation:TBD

Upcoming Events:

Club BBQ at home of Ed and Elizabeth Saturday August 11th. MS Bike Tour Saturday-Sunday August 18th 19th (Ottawa Cornwall Ottawa) Ottawa (Carp) Flea Market Saturday September 8th. Montreal South Shore Hamfest, Saturday October 20th

Adjournment:

Date, time and place of next meeting: Wednesday, September 26th, 2018 at 07:30 PM, St. John Ambulance HQ

<u>The President's Message for May 2018</u>

In absence of my monthly message, here are some pictures taken this past week end at our Field Day event at St. Lawrence College. Others are in the Newsletter. I will send a letter of thanks to the College for their hospitality and allowing us to use the site at no cost.

That's it for now, hope to see you at the meeting.

73 Ed

















SEAWAY VALLEY AMATEUR RADIO CLUB INC. 4672 O'Keefe Road St. Andrews West, Ontario, KOC 2A0

Minutes of the General Meeting held at 7:30PM, May 30/18 St. John Ambulance HQ Unit 2, 1001 Sydney St. Cornwall, Ontario.

<u>Present</u>

16 Members and 1 guest attended this meeting, Ed Halliwell (VE3EAH), Doug Pearson Vice President (VE3HTR), Elizabeth Halliwell (VE3EZH), Dean Brush Secretary (VA3BS), Hermanna Noorthoek(VE3UNV), Hal Green(VE3HWG), Andre Richer (VA3RDI), Chris Lauzon(VA3CRR), Jason Forget(VA3XDZ), Lenard Boileau(VE3OLB), Louise Clements, Suzan Horovitch(VE3EXN), Art Horovitch(VE3AIH), Larry Giguere(VA3RSQ), Mel Massia (VE3OJN), Steve Harvey(VE3EZB), John Harwood(VE3XAM)

Opening SVARC President Ed Halliwell called meeting to order at 7:30.

<u>Old Business</u>

Review and approval of the minutes from our previous Meeting of April 25/18. The Minutes were summarized by Dean Brush. Minutes adopted by Andre and seconded by Hermanna.

<u>Reports</u>

Treasurer's Report: Elizabeth's report this month has \$1073.62 in the repeater fund and \$875.88 in general funds for a grand total of \$1907.50. This includes \$50.00 in shares, leaving 1899.50 available for use. We now have 31 members. Adopted by Steve and seconded by Art

Monday Night Net:

Elizabeth Revised reported for April, 77 on SVC, 76 on MTA , 18 in total for DMR(VA3EDG), DSTAR (VE3SDG-C-D), 5 on C4FM(VE3SVC) for a total of 189 with May report on VE3SVC 39, VE3MTA 41, VE3VSW 18, C4FM 4 for a total of 102.

Newsletter Report . Newsletters are being sent out to members only

<u>Technical Report:</u> The new fusion DR2X is here and should be installed sometime in June.

The repeater list has been modified to incorporate FM/Yaesu C4FM, asterisk Allstar net node 2579, Echolink, and VE3PGC-L node 463095

Doug wishes to put up a test antenna for AIS Tracker (Automated Information System)

<u>ARES Report</u> On June 20/18 there will be a table top exercise.

<u>Website update:</u> Chris and Ed have been working hard at improving our web page check it out www. https://svarc.ca/

NEW BUSINESS : A letter from Luc Brunet, Safety Coordinator for the Children's Treatment Centre Bike A Thon Plus on May 26 thanks and praises us for our continued participation and support. A big thumbs up for all those who were involved in the event.

Field day: 3 stations are to be manned for June 23-23 /18 at St Lawrence College

Year End Reports: Government has accepted our Income Tax report as submitted.

50/50 Draw : Was won by Elizabeth Halliwell (VE3EZH) for a total of \$11.00 and was kindly given back to the club fund for total of \$22.00. Thank You Elizabeth. Tee shirts were also drawn for and won by Andre and Leonard.

Coming Events:

- 1. Field day Saturday/ Sunday June 23-24 volunteers needed
- 2. SVARC BBQ Aug 11/18 in the new Band Shell at the Halliwell's
- 3. MS Bike Tour Saturday- Sunday Aug 18-19 (Ottawa Cornwall Ottawa)

Presentation: by Doug on the AIS System very interesting Doug we all thoroughly enjoyed the presentation, Thank you. Here is the link for those who wish to look into it further https://www.marinetraffic.com

<u>Meeting Adjourned</u> At 9:35 PM motion by Susan

<u>Next meeting:</u> Wednesday June 27/18 St John Ambulance HQ Unit 2, 1001 Sydney ST Cornwall, Ont.

Minutes recorded by Dean Brush (VA3BS)

SVARC MONTHLY REPEATER STATUS REPORT June 27th 2018

VE3SVC	 Yaesu Fusion DR-2X 40W Repeater received and ready for installation June 2018*
CORNWALL	 Telephone Interconnect ("Autopatch") decommissioned June 2015
147.180 +	(not supported by new Yaesu DR-1X/DR-2X repeaters)
(110.9 Hz.)	 Receive and Transmit Auto Mode (Analog FM or C4FM Digital) May 2016
	Sinclair SRL 210-C2 antenna installed and placed in service October 2016
VE3VSW	 10W Motorola GR-1225 repeater and MR-356 type mobile duplexer
CORNWALL	 Sinclair SRL 310-C4 antenna installed and placed in service October 2016,
444.800 +	currently on test for St. John Ambulance experimental repeater on 460.3375 MHz.
(110.9 Hz.)	 VE3VSW and VE3SVC-1 currently both use CCH site Diamond X-200 North antenna
VA3SDG-C	Available for general local use
D-STAR	Status Page: https://va3sdg.dyndns.org/
CORNWALL	 Limited connectivity, remote network issues, no Digital APRS (DPRS)
145.570 -	 VA3SDG-C and VA3SDG-B both use CCH site Diamond X-200 South antenna
VA3SDG-B	Available for general local use
D-STAR	 Supports Digital APRS (DPRS), see <u>www.aprs.fi</u>
CORNWALL	Status Page: https://va3sdg.dyndns.org/
444.450 +	 Limited connectivity, remote network issues
VE3SVC-1	
APRS DIGI	Reconfigured as a "WIDE1-1" Fill-In APRS Digipeater to supplement VE3PGC-1
CORNWALL	VE3SVC-1 and VE3VSW both use CCH site Diamond X-200 North antenna
144.390	See <u>www.aprs.fi</u>
Cornwall	Excess Heliax/coax coiled for future use results in unnecessary losses,
Community	 Excess Heliax/coax coiled for future use results in unnecessary losses, needs to be shortened and re-terminated. One unused coil of Heliax removed
Hospital	
Repeater Site	Polyphaser Surge Suppressors installed July 2017 Singleir SPL 210 C1 enterne installed on site test (energy (AIS enterne)
APRS I-NODE	Sinclair SRL 210-C1 antenna installed as site test / spare / AIS antenna
CORNWALL	APRS Internet Gateway Node forwarding provided by Jim Dixon VE3XID
144.390	See: <u>www.aprs.fi</u>
VE3PGC-1	Distinguistic light May 2015, configured on MUDE 2.2
APRS DIGI	Digipeater Installed May 2015, configured as WIDE 2-2
BONVILLE	VE3PGC ("Packet Group Cornwall") callsign now licenced to SVARC
144.390	Digipeater failed, KPC-3+ TNC battery replaced, reprogrammed, restored Nov. 2017
144.000	• See: <u>www.aprs.fi</u>
	Yaesu Fusion DR-2X 40W Repeater installed April18, 2018, "Auto" mode FM or C4FM
	Asterisk Allstar Net Node 2579, Echolink VE3PGC-L Node 463095
	Status Page: <u>http://stats.allstarlink.org/</u>
BONVILLE	 * 3 2 + Asterisk Allstar Net node number, * 0 to disconnect
443.650 + (110.9 Hz.)	 * 3 3 + Echolink node number, # # to disconnect
(110.9 112.)	 * 7 1 = Master Disconnect, * 8 0 = CWID, * 8 1 = Say Time
	Automatically connected to Asterisk node 2248 Thursday and Sunday evenings from
	1945 to 2115 local time for the Ontario Pro-Comm Net.
VA3EDG	 DMR-MARC Local 2 Talkgroup - Calling (Cornwall, Ogdensburg, Montréal, Covey Hill)
(MOTOTRBO)	Local 9 Talkgroup - Cornwall only
CORNWALL	 SLV 8 Talkgroup - Cornwall and Ogdensburg only (St. Lawrence Valley)
442.100 +	
VE3SVR	Iroquois Amateur Radio Club's Yaesu Fusion DR-1X 40W Repeater
MORRISBURG	Receive and Transmit Auto Mode (Analog FM or C4FM Digital)
146.760 -	 New equipment shelter at Morrisburg Water Tower site provided by South Dundas
(110.9 Hz.)	
VE3OJE	Placed back in service by VE3OJN Summer 2017
MOOSE CREEK	 Analog FM, 151.4 Hz. CTCSS tone now required
145.370 –	
(151.4 Hz.)	
(1011112.)	

(110.9 Hz.) denotes the specified CTCSS tone is required

<u>* identifies a change from the previous report*</u>

Cornwall Area Amateur	VHF/UHF Repeaters
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Call Sign	Transmit	Receive	CTCSS Tone	Location	Features
	Frequency	Frequency	Required		and Status
VE3SVC-1 *	144.390	144.390	None – AX.25	Cornwall ON	APRS (<u>www.aprs.fi</u>)
VE3PGC-1 *	144.390	144.390	None – AX.25	Bonville ON	APRS (<u>www.aprs.fi</u>)
VE3YGM	145.170	144.570	None – CSQ	Cornwall ON	Low Power – Private
VE3IRO	145.290	144.690	None – CSQ	Iroquois ON	IRLP Node 2091
VE3OJE	145.370	144.770	None – CSQ	Moose Creek ON	
VA3SDG-C *	145.570	144.970	None – DSTAR	Cornwall ON	DPRS (<u>www.aprs.fi</u>)
VE2REX	146.685	146.085	100.0	Covey Hill QC	
VE3SVR	146.760	146.160	110.9	Morrisburg ON	FM / Yaesu C4FM
VE3IWJ	146.820	146.220	100.0	Brockville ON	
VE2CRA	146.940	146.340	100.0	Old Chelsea QC	
VA3NDC	146.970	146.370	100.0	Winchester ON	
VE2RM	147.000	146.400	103.5	Mont-Rigaud QC	
NG2C	147.090	147.690	None – CSQ	Malone NY	
VE3MPC	147.150	147.750	100.0	Orléans ON	
VE3SVC *	147.180	147.780	110.9	Cornwall ON	FM / Yaesu C4FM
WB2RYB	147.225	147.825	100.0	Malone NY	
VE2REH **	147.525 **	145.690 **	131.8	Lancaster ON	Linked to VE2REH UHF
VE2RM	224.980	223.380	None – CSQ	Mont-Rigaud QC	
VA3EDG	442.100	447.100	None – DMR	Bonville ON	DMR Color Code 1
VE2RM	442.250	447.250	None – DSTAR	Mont-Rigaud QC	
VE3TYF	443.050	448.050	151.4	Moose Creek ON	
VA3ESD	443.150	448.150	110.9	Morrisburg ON	
VE3MTA *	443.650	448.650	110.9	Bonville ON	FM / Yaesu C4FM
					AllStar 2579, EchoLink
					463095 via VE3PGC-L
VE2REH	444.150	449.150	110.9	Lancaster ON	Linked to VE2REH VHF
VA3SDG-B *	444.450	449.450	None – DSTAR	Cornwall ON	DPRS (<u>www.aprs.fi</u>)
NG2C	444.650	449.650	110.9	Malone NY	
VE3VSW *	444.800	449.800	110.9	Cornwall ON	
VA2REX-B	448.325	443.325	None – DSTAR	Covey Hill QC	
VA2REX	448.525	443.525	None – DMR	Covey Hill QC	DMR Color Code 1

* Operated or sponsored by Seaway Valley Amateur Radio Club and/or SD&G ARES

** VE2REH VHF Lancaster uses a non-standard offset (Tx/Rx split) of –1.835 MHz.

All others use standard offsets of \pm 600 KHz. (144), -1.600 MHz. (222) and \pm 5.00 MHz. (440)

CSQ = <u>Carrier Sq</u>uelch, no CTCSS tone required. Digital modes do not require CTCSS tones

CTCSS = <u>C</u>ontinuous <u>T</u>one <u>C</u>oded <u>S</u>quelch <u>S</u>ystem

The Joys of Boat Anchors and Vintage Equipment

By Art Horovitch VE3AIH



I have been a ham for 57 years. Where did the time go?

What is a boat anchor? It is generally a very, old heavy piece of radio gear, often military surplus. In the late fifties and early sixties we had several "war surplus stores" in Montreal. You could pick up something like a #19 set, build an AC power supply for it from old TV power transformer and get on the air for less than \$50. If the rig didn't work, well, you could always take it along to the cottage, put it in your boat, and use it as an anchor. Hence, the name **boat anchor**.

This is distinguished from "vintage" which radios were made expressly for ham radio. One of the top ones was Collins, (also used by the US military) that we could only ever dream of owning. They are just as expensive today as they were back in the sixties. A step down from Collins was Drake. The 2B, R4, T4 and TR-4 series were excellent stand-alone receivers, transmitters and transceivers. All of them were "hollow state", meaning tubes. Generally if the radio stopped working, it was just a matter of localizing which section of the radio was at fault and replacing the failed tube. Tubes were plentiful and generally cheap. A step down from Drake were the Heathkit radios, generally sold as kits. They were usually very well designed and could be put together by a ham with moderate building and soldering skills. It was said that once you built a radio, you could fix it because you knew how it was put together. Heathkit manuals for construction and troubleshooting, as well as customer service, were legendary. Parallel to Heathkit and somewhat more expensive were Globe Scout, Hammarlund, Hallicrafters, Johnson Ranger and later Ten-Tec. Most were not sold as kits.

I started with war surplus equipment, a #19 set and several huge boat anchor receivers that I cannot even remember the number of. In recent years I have come into several Heathkit and Drake radios. The Heathkit Cheyenne and Comanche were about to be sent to the dump, so I rescued them. It took quite a bit of work, replacement of tubes and several capacitors to get the transmitter going. The receiver was dead, but with the help of my friend Lanny VE2AZK in Montreal, we were able to get it going. He discovered that there were some cold solder joints at several of the tube sockets. Once repaired, the receiver displayed remarkable sensitivity. I did make many CW contacts with the pair, reliving the days in the 1960's when my good friend, Fred Lackstone, VE2BHW (SK) used the pair as both mobile and base station radios. While in Orlando last winter, I purchased a set of spare tubes for both radios.

Now I have sold the Cheyenne Comanche pair and am working with a Heathkit DX-60, which I acquired at the Iroquois Hamfest and it was in good shape. The matching VFO, HG-10, was already sold, so I operated with a few crystals on 40 and 20 meters running about 50 watts output into my ground plane antenna. I quickly discovered the limitations of crystals. I guess we were content to use them back in the 60's, but now we really need a VFO. Looking for a HG-10 on-line, I found they were going for more than I paid for the DX-60! Some US prices were over \$100, and very few were to be found in Canada.

I had a vintage Eico 324 signal generator, which, with a few modifications turned out to be an excellent VFO, quite stable after warm-up and only the slightest chirp on CW. The signal generator I paid \$10 for at an antique store in Corning, New Your last fall. What a bargain.

So my current line-up is the Heathkit DX-60, a Drake R4C receiver, a homemade T-R switch designed by AD5K, a Heathkit keyer and an MF-J tuner. I have made numerous CW contacts with this setup. Just like people who rebuild old cars and enjoy driving them, I enjoy getting old radios to work and use them on the air. The only problem is that I am running out of room in my small garden shed workshop. The vintage line-up takes up almost the entire workbench.





Amateur Radio is Not for Talking

Article submitted by Art Horovitch

Bob Witte, K0NR /

www.k0nr.com

bob@k0nr.com

When the topic of ham radio comes up with normal people that is, non-hams, I usually get asked the question "Who Do You Talk To?" I always come up with some vague and lame answer like "people all over the world" that gets me by.

I finally figured out what the problem is: amateur radio is not for talking to people. At least not for me. If you just want to *talk to someone*, there are much better ways to do it, such as the telephone...or Skype.

There was a time long, long ago when one of the hooks for ham radio was "you can talk to a family member" when telephone service was not available or too expensive. Those days are gone. Back in the 1970's and 1980's, the hook was often "make mobile phone calls via the repeater auto-patch." That was cool stuff that mere mortals could not do.

With everyone and their dog now having a mobile phone, those days are gone, too. So where does that leave us? Back where we started: the Universal Purpose of Amateur Radio is *to have fun messing around with radios*.

Of course, this takes many different forms: public service, emergency communications, chasing DX, chasing counties, competing in contests, building kits, running QRP...to name just a few.

Now you will hear actual conversations on the ham bands but if you listen closely they usually have a radio underpinning to them. Hams are always talking about their equipment, signal strength, why their antenna is so great, why their antenna fell down, etc. It is kind of like making a telephone call where you talk about the quality of the phone line, the type of telephone being used and potential improvements to your home phone system.

Wait, you say, what about those guys on 75 Meters every evening talking about their medical conditions and complaining about the government? Aren't those guys actually talking to people?

Those guys I can't explain.

73, Bob K0NR

Thanks to Bob Witte, KONR, for permission to use this article from his blog. (Art).

<u>Cornwall Radio Amateurs participate in</u> <u>Field Day Emergency exercise</u>

Written and submitted to the Seaway Valley newspaper by Art Horovitch

The Cornwall Amateur Radio Club participated in the annual Field Day exercise at the St. Lawrence College on June 23-24. This exercise is held every year on the last weekend in June to test amateurs' readiness to set up portable stations using emergency power such as a generator or solar/ battery powered stations. The goal is to be prepared for natural or man-made disasters such as ice storms, floods or transportation accidents when cell phone circuits may fail. This exercise is a tradition that goes back to the early days of "ham" radio more than 100 years ago, and was stopped only during the two World Wars, when amateur radio communication was suspended by governments.

The club set up two stations using a generator and portable antennas strung up in trees or in a vertical configuration on the ground. The exercise continues through a 24 hour period and the goal is to contact as many stations as possible throughout North America or even the world, exchanging the station configuration (how many transmitters and what powers the radios, as well as location). Any mode of communication can be used. Most popular modes are SSB (single sideband voice) or CW (Morse Code). Recently digital modes are becoming popular as well because of their ability to recognize signals that may be very weak in the noise.

Art Horovitch, a member of the club says that, even though Morse code has been dropped by most military and government services, it is seeing a resurgence in the ham community, to try and preserve a historical aspect of our hobby. Typical speeds during the contest range from about 12 to 25 words per minute. It's the same method that Marconi used when he started his transatlantic contacts more than 100 years ago. Satellite communication is popular as well, through a number of amateur radio satellites circling the earth.

The Field Day setup is open to any visitors who wish to see the stations in operation. A special visitor this year was city councillor <u>Bernadette Clement</u>. She was delighted to make her first radio contact with a ham in Pennsylvania under the guidance of <u>Art</u> <u>Horovitch</u>, VE3AIH and <u>Chris Lauzon</u>, VA3CRR. It should be noted that only government licensed hams can operate these stations. But visitors can also make contacts under the direction of a licensed ham.

Anyone interested in learning more about how to obtain an amateur license and the many aspects of the hobby is invited to attend the next club meeting before the summer break on Wednesday, June 27 at 7 PM. The location is at The St. John Ambulance headquarters on Sydney Street just north of Ninth Avenue past the Canadian Tire store. Use the "training entrance "door.



Council Bernadette Clement with Chris Lauzon and Art Horovitch

A CAUTIONARY TALE

.... By Art Horovitch

Be careful when you order an item on-line from the US.

I recently ordered a new H-T from Powerwerx in California and asked them to send it to my daughter's house in Maryland, since I had planned to get together with her in a few weeks. I had previously ordered a cable from them last November and sent it to general delivery at the US post office in Punta Gorda, Florida where we were spending a month during the winter.

I filled out the order form on-line and when the address came up it was for Punta Gorda, so I clicked "edit" and put in my daughter's address instead. After completing the order and checking out, I got an e-mail with the order number and details. To my horror, they were sending it to Florida, instead of Maryland. I immediately called their customer service and told them they had the wrong address.

They said they could not change it once the order had been completed, call Fedex, who was sending it. I called Fedex and was told they cannot change the address, only the shipper (Powerwerx) can do that.

So now I was stuck. I had visions of my Wouxon transceiver sitting in a dead letter office somewhere and eventually being sold at auction after a few months of no one claiming it. I called the post office with the tracking number and they agreed to re-route it to my daughter's house, but there would be a \$13 fee.

It seems that the post office cares more about their customers than Powerwerx does. I called Powerwerx back and told them how disgusted I was with their service. All they said was "That's our policy' it's right on our web-site." End of story. I'm pretty sure they made the mistake, but I was left holding the bag.

I will never order from them again, and I would recommend that you don't either. They are not the only ham radio dealer in the US.

In view of the current political situation, vis-à-vis the U.S., maybe it is time to patronize our Canadian dealers more often. I have had nothing but good experiences the few times I have ordered from them.

(Editor's Note): As Art has suggested, when ordering from a supplier over the Internet be extra cautious and make sure the shipping information is correct and understood by the shipper.

Art's experience does not necessarily reflect the many good experiences that some of our members have had with Powerwerx.



Taken and Submitted by Art Horovitch









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