



THE HAMILTON AMATEUR

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President's Message

Hello to all Members

Prepared by Roger Pimm VE3UFZ, 1st Vice President.

Hello members. This spring has been a busy time for your executive. Along with the usual concerns like Flea Market, Field day, speakers for meeting, contests, fox hunts, the main concern over the past few weeks has been finances and our steadily deteriorating balance at the bank. The executive observed that one of the variable club expenses over the past few years has been our liability insurance through RAC; liability insurance that is needed to cover the club during events like Field Day and Flea Market. There was a time, post 9/11, when this insurance cost the club in excess of \$1000. Over the past few years RAC has gone to bat for HAM clubs affiliated with RAC and the premiums have reduced significantly.

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Executive Meetings

HARC Executive committee meets each month, except July and August, on a Tuesday or Wednesday preceding the club General Meeting. See the web page for details.

VE3NCF 146.760 - & 444.075 + using tone 131.8

HARC operates VE3NCF repeater, located atop the Niagara Escarpment. It's open for use by all Amateurs. Special features are a privilege of membership.

HARC Nets

A HARC "check-in net" is held every Sunday evening at 7:30 p.m. on the VE3NCF repeater, (see above). There is also an informal get-together every Monday night from 7:30 to 8:30 P.M. on 3.693 MHz in the 75 meter band. All contacts to both nets are welcome.

Examinations

Amateur radio license examinations are Mike Christmas, VE3XMS and Roger Pimm, VE3UFZ Contact the volunteer examiners to make an appointment. There will be a fee for each examination.

Membership Information

Club membership, including all privileges, is \$30 per person, per year, Sept 1 to Aug 31. Additional membership, for immediate family living in the same home, is \$5 per person. One newsletter sent to each address.

The Hamilton Amateur

The Hamilton Amateur is published ten times each year (not in July or August). Deadline for article submission, for the following month's issue, is the last Saturday of the current month. Preferred format is .txt file. Articles will be checked for spelling and grammar, but the author is responsible for factual content. E-mail your submissions to Editor, Mike Christmas, VE3XMS, <ve3xms@hamiltonarc.ca>

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HARC (Hamilton Amateur Radio Club)

General Meeting Minutes

04/17/2013

I. Call to order

On behalf of our president Mike Krebs VE3WXS, Roger Pimm VE3UFZ called to order the regular meeting of the HARC at 19:36 on April 17, 2013 at The Hamilton Mountain Seventh - day Adventist Church, 284 Concession St., Hamilton, ON.

II. Sign In

Attendance was conducted by the circulation of the members sign in sheet.
26 members / visitors were present.

III. Speakers

Our speaker for this evening was Jim Friend VA3HFD Introduced by John Kassay VE3FDK. John had known Jim on the air when Jim was a member of ALERT later these two gentlemen had crossed paths and got to know each other via the communications fields in their work environments. Jim gave an interesting presentation on the progress of the communications segment of the Emergency Service Department in the city since the early years to the present location. Jims presentation covered many topics including an overview of the communications division, 9-1-1 Emergency reporting system, Computer Aid Dispatch, Trunked Radio System, Simplex frequency use as well as the capabilities of the new Emergency Communications Center located at 1227 Stone Church Road E Hamilton, the facility as an Emergency Training Center and a Communications Center. For all not in attendance of note was a statistic that 75% of over 82,000 calls to 9-1-1, where cell phone misdials in 2011. If you have your cell phone programmed for 9-1-1 Jim has asked for you to remove it. Thank you John VE3FDK for reaching out to your Friend and thank you Jim for your presentation and sharing your knowledge and career with fellow Amateurs.

IV. Contesting

Rick VE3BK reminded members of the upcoming R.A.C. Ontario QSO Party Contest April 20-21st and invited new and seasoned Hams to come out and join the party April 20st. See the Perpetual Contest Calendar for a list of upcoming events <http://www.hornucopia.com/contestcal/index.html> of mention by Rick was the ARI International DX Contest, the 7th Caller QSO Party and the CQ-M DX Contest. Contact Rick VE3bk@hamiltonarc.ca if you require more information.

V. Repeater

John VE3DVV was absent this evening and members will be updated at the next meeting that John is available to discuss the status.

VI. Health and Welfare

Mary was absent this evening.

VII. Membership

Sherry VE3DCU reported membership additions, but a change in membership fees to cover the R.A.C. Insurance for members will slow the process.

Minutes submitted by:
**Secretary Jim Sawadski
VE3EEZ**

VIII. Treasurers Report

Dave VE3DWJ reported a balance of \$3166.19 in the bank with a brief summary of the account. Motion was moved by R Pimm to accept the report as discussed. Mike VE3WXS and Mardy VE3QEE led the group and the report was accepted as delivered.



IX. Awards

Paul VE3HTF was not in attendance

New Business

1) Gary VE3TTO reminded members of the upcoming CANWARN training April 20 2013 at the Chedoke hospital, on behalf of Lorraine MacPherson VA3NZ.

2) Gary VE3TTO thanked members who came out to support the Paris to Ancaster Bike Race April 14 2013. A successful venue with 26 checkpoints, and over 2000 riders.

3) Vice President Roger Pimm VE3UFZ handed out a summary of the RAC Insurance calculations to show members what the Hamilton Amateur Radio Club is paying for insurance with a proposal to re-coupe lost funds due to the mandated calculation. After discussions and comments by Roger Pimm, Randall Walford, Tom Feeny, John

Hudak, Gary Notto, Mardy Eedson, John Boswell and Ron Collins, a proposal to attach an insurance surcharge to the membership fee was moved by member Randall Walford, seconded by Mardy Eedson and carried by all in attendance.

The proposal put to the membership, for adoption was; to keep the existing membership fee of \$30.00 per member for the regular membership. In addition, a \$1.00 surcharge will apply to all memberships, and will be applied to the R.A.C Insurance program. An additional \$11.00 surcharge will be applied to all non-R.A.C. members as per the current Insurance R.A.C. fee calculations. Therefore membership fees to take effect for the September 2013-14 season will be as follows:

Regular member fee $\$30 + \$1.00 = \$31.00$ if the member is also a member of Radio Amateurs of Canada (RAC)

Regular member fee $\$30 + \$1.00 + \$11.00 = \42.00 if the member is not a member of RAC.

Family members $\$5.00 + \$1.00 = \$6.00$ if the member is also a RAC member.

Family members $\$5.00 + \$1.00 + \$11.00 = \17.00 is not a member of RAC.

In addition to these surcharges each club is required to pay a flat fee of \$150.00, which will be covered in the regular manner of expenditure.

4) Jim VE3EEZ announced that Mark VE3RYI will be heading up the Hidden Transmitter Hunts again this year and that the season will begin on April 28 and be held at the end of each month until September 29, 2013. See the article and schedule on your club website at <http://www.hamiltonarc.ca/2013/03/24/the-h-a-r-c-hidden-transmitter-hunt-schedule-2013/>

5) Field day planning is underway with Dan VA3DJ leading the event with assistance as required from Rick VE3BK and Paul VE3HFT.

6) Rick VE3BK was asked by John VE3FDK to see if there was interest in operating the Radio on the HMCS Haida "Museum Ships on the Air" June 1st / 2nd. All interested individuals to contact John Kassay VE3FDK.

Next meeting:

May 15, 2013 The Hamilton Mountain Seventh - day Adventist Church, 284 Concession St., Hamilton, ON.

Adjournment

Motion to adjourn the meeting at 21:50

Moved by Mike Krebs VE3WXS

Motion seconded by Rick VE3BK

Thanks to all in attendance

Minutes submitted by: Jim Sawadski VE3EEZ

However, and there always seems to be a *however* with financial issues, the club is still seeing a steady erosion of our security blanket (bank balance). We are doing everything we can to reduce our overhead. We have changed our meeting venue, reduced our annual communication costs by making our newsletter available on line, we have reduced many of the monthly costs associated with the club repeater by consolidating phone and data facilities.

The list goes on... and after much soul searching, the general membership approved a motion presented at our April meeting to create a two tier membership fee to accommodate the insurance differential that RAC charges for non-RAC members. For those of you that were not able to attend that meeting, note that RAC charges our club an additional \$11 premium for each non-RAC club member included in the liability coverage, where the premium for RAC members is \$1.

So, these are the reasons we are initiating a two tier membership fee. Therefore starting in the 2013/2014 membership year RAC members will pay \$30 and non-RAC members will pay \$40 per membership year. The additional \$10 for non-RAC members is a surcharge which has been established by RAC. Your executive is not totally happy about having to make this increase but at the same time we realize that some form of cost recovery action needed to be taken.

The executive appreciate your support in this matter. To be honest, we were a tad concerned about presenting it to the general membership. Financial issues can sometimes be contentious and difficult to wrestle to the ground. Thank you to all who were at the April meeting... for making this process near painless for all concerned.

Please join us at our next club meeting:
Wed, May 15th, 2013, 7:30 PM - 9:30 PM
284 Concession St., Hamilton On
Doors open at 7pm

All are welcome

Our weekly two-meter net on Sunday evenings at 7:30 P.M. on VE3NCF (vhf) 146.760 (-) tone 131.8. VE3NCF (uhf) 444.075 (-) tone 131.8 Join us and check-in and say hello.

73
Roger Pimm VE3UFZ (for Mike VE3WXS)
1st Vice President

Alexander Popov



Russian physicist and electrical engineer (1859 - 1906)

Born in the town Krasnoturinsk, Sverdlovsk Oblast) in the Urals as the son of a priest, he became interested in natural sciences when he was a child. His father ensured that Alexander received a good education at the seminary at Perm, and later studying physics at the St. Petersburg university. After graduation in 1882 he started to work as a laboratory assistant at the university. However, due to the poor funding of the university he changed to a teaching job at the Russian Navy's Torpedo School in Kronstadt on Kotlin Island.

Submitted by:

Paul Fleck
VE3HTF



Alexander Stepanovich Popov was a Russian physicist who was the first person to demonstrate the practical application of electromagnetic radio waves.[1]

Beginning in the early 1890s he continued the experiments of other radio pioneers, such as Heinrich Hertz. In 1894 he built the first radio receiver, a version of the coherer. Further refined as a lightning detector, it was presented to the Russian Physical and Chemical Society on May 7, 1895. The day has been celebrated in the Russian Federation as Radio Day. The paper on his findings was published the same year.

In 1888 Heinrich Hertz had produced and transmitted electromagnetic waves, arousing the interest of many scientists. Popov began experiments on the transmission and reception of the so-called Hertzian waves (radio waves) somewhat earlier than Marconi. He modified the coherer developed by Oliver Lodge for detecting these waves, making the first continuously operating detector. Connecting his coherer to a wire antenna, he was able in 1895 to receive and detect the waves produced by an oscillator circuit.

The coherer device and history can be viewed by clicking this link
<<http://en.wikipedia.org/wiki/Coherer>>

His interests at this time, however, seemed more toward the investigation of atmospheric phenomena such as thunderstorms and lightning; he used his coherer connected to lightning conductors for this purpose. Stimulated by the 1896 patent awarded to Marconi, Popov again turned his attention to radio transmission and enlisted the help of the Russian navy. In 1897 he was able to transmit from ship to shore over a distance of 3 miles (5?km) and managed to persuade the naval authorities to begin installing radio equipment in its vessels. By the end of 1899 he had increased the distance of his ship to shore transmissions to 30 miles (48?km). He received little encouragement or support from the Russian government and did not commercialize his discoveries.

The Russians claim, that Popov invented radio communication, is not widely accepted, although he did publish in January 1896 a description of his receiving apparatus that coincides very closely with that described in Marconi's patent claim of June 1896. Popov is credited however with being the first to use an antenna in the transmission and reception of radio waves.

Russia claims that Alexander Stepanovich Popov invented the radio before the Italian scientist Guglielmo Marconi. Determining who was the official inventor of the radio is complicated by nationalistic pride, inadequate documentation of events, and differing interpretations of what constitutes inventing the radio. By what most persons in the West consider objective analysis of the facts known, however, Marconi's work invariably is recognized as having priority over Popov's. However, Popov's numerous achievements do merit both recognition and respect. Popov was the chair of the Department of Physics at St. Petersburg University in 1901 and director of the St. Petersburg Institute of Electrical Engineering in 1905. On May 7, 1895, Popov demonstrated that a receiver could detect the electromagnetic waves produced by lightning discharges in the atmosphere many miles away. Popov's receiver consisted

of a "coherer" made of metal filings, together with an antenna, a relay, and a bell. The relay was used to activate the bell that both signaled the occurrence of lightning and served as a "decoherer" (tapper) to ready the coherer to detect the next lightning discharge. The value this instrument could have in weather forecasting was obvious.

There have been many claims by other prominent people during this period for recognition of similar discoveries related to the coherer device.

Follow this link for additional and interesting findings.

<http://www.radio-electronics.com/info/radio_history/radiohist/coherer-history.php>

Radio pioneer Alexander Popov on the 1989 USSR stamp.

Commemorative stamp to Alexander Popov

<http://upload.wikimedia.org/wikipedia/commons/1/15/1989_CPA_6117.jpg>

In 1900 a radio station was established under Popov's instructions on Hogland island (Suursaari) to provide two-way communication by wireless telegraphy between the Russian naval base and the crew of the battleship General-Admiral Apraksin. The battleship ran aground on Hogland island in the Gulf of Finland in November, 1899. The crew of the Apraksin were not in immediate danger, but the water in the Gulf began to freeze. Due to bad weather and bureaucratic red tape, the crew of Apraksin did not arrive until January 1900 to establish a wireless station on Hogland Island. By February 5, however, messages were being received reliably. The wireless messages were relayed to Hogland Island by a station some 25 miles away at Kymi (nowadays Kotka) on the Finnish coast. Kotka was selected as the location for the wireless relay station because it was the point closest to Hogland Island served by telegraph wires connected to Russian naval headquarters.[2]

By the time the Apraksin was freed from the rocks by the icebreaker Yermak at the end of April, 440 official telegraph messages had been handled by the Hogland Island wireless station. Besides the rescue of the Apraksin's crew, more than 50 Finnish fishermen, who were stranded on a piece of drift ice in the Gulf of Finland, were saved by the icebreaker Yermak following distress telegrams sent by wireless telegraphy.

In 1901 Alexander Popov was appointed as professor at the Electrotechnical Institute, which now bears his name. In 1905 he was elected director of the institute.

In 1905 Alexander Popov became seriously ill, after being very uneasy about the suppression of a student movement. He died of a brain hemorrhage on January 13, 1906.

Did you know?

A minor planet, 3074 Popov, discovered by Soviet astronomer Lyudmila Zhuravlyova in 1979, is named after Alexander Popov.[4]

At ITU Telecom World 2011, Mr. Igor Shchyogolev, Minister of Telecom and Mass Communications of the Russian Federation alongside Dr. Hamadoun Touré, Secretary General of the ITU, inaugurated the "Alexander Stepanovich Popov" Boardroom at ITU's headquarters in Geneva.

Family

Some of his Alexander Popov's descendents escaped to Manchuria during the Bolshevik Revolution and eventually made their way to the United States. Among others the cousin, Dr. Paul Popov, became a prominent physician in San Francisco and Paul's son, Egor Popov (1913-2001), became a UC Berkeley Professor Emeritus of Civil and Environmental Engineering.[5] [6]

Wikipedia References

1. Early Radio Transmission Recognized as Milestone". IEEE. Retrieved 16 July 2006.
2. "Aleksandr Popov". IEEE Global History Network. IEEE. Retrieved 21 July 2011.
3. The Guglielmo Marconi Case;Who is the True Inventor of Radio.
4. Dictionary of Minor Planet Names, 2003, vol. I, p.253
5. Engineering Pioneer Egor Popov
6. The EERI Oral History Series. Egor Popov

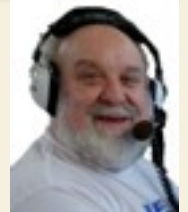
Contest Info

Sorry that some of you couldn't make it out as we had a blast working all that DX, fellow Ontarians, Canadians and Americans.

Everyone did great with Jim working mostly 20m but doing whatever band was needed, Sherry going great guns with pileups on DX or anything she worked, Andrew knocking off the CW on all the band he was on, Scott and Rick working that late night DX with pileups in Europe and the States, and also Mark VE3MWH came and did a great job on 80m for his first kick at the can hi hi. Mardy was there too, working whatever band he could. One of the fun things it to be able to try out someone else's radio and different bands. A great job by all that came out.

submitted by:
Rick Danby
VE3BK

Tom VE3MQ and Tracy VA3CDU stopped by before they did their tri-county Rover contacts. Joe Skrypka, a new member came out to see how we did it and hopefully we didn't scare him off with some of the fast contacts we made.



This is how we contest. We also had a great visit with Steve VE3OZO, a great CW operator that just dropped in to see us.

I think everyone had fun. This is a short contest that is truly Canadian, with a break at night and yet two days to operate with a relaxed pace. Hope those of you that couldn't make it this time will come out for contesting soon. Field Day is in June and then we have Canada Day on July 1st, more events we like. See you at the next one.



Call Used :VE3DC
 Last County Ran :HAL
 Callsign of Operators:VE3BK VE3DCU VE3EEZ VE3MWH VE3QEE VE3QU & VE3RIA
 Entry Class : Multi-Multi

BAND QSO MULTS

=====

160	0	0
80	91	48
40	385	77
20	178	41
15	23	10
10	0	0
6	3	3
144	17	13
220	0	0
440	0	0

Multipliers : 192 ON Counties/State/Prov
 Extra DX Mults : 45
 Ontario Mobile Bonuses : 0 pts
 Contact Points : 1043
 Total Mults : 237
 Bonus Points : 0
 Claimed Score : 247191

Soapbox: What a great Canadian Contest for Ontario. It was typical Canadian weather for April with 30 degree Celsius during the week and then temperatures dropping on the Saturday with snowstorms in Northern Ontario. We only had a light dusting in Southern Ontario but it was cold and then on Sunday warmed up and was sunny. Great contesting. Someone said the bands were not that good but we were able to work DX as well as Canadians and our good neighbours to the South gave us many contacts. Thanks to all that worked us, let's do it again next year. See you all in the next one. 73 Rick VE3BK

Visitors: Joe Skrypka SWL, Steve VE3OZO, Tom VE3MQ & Tracy VA3CDU