



From the Gavel,

Another summer has pasted, as we meet again to kick off a brand new year of activity. What will it be like this year, I ask myself. Same old stale meetings, greetings and smiling faces or will we join the more invigorating generation of today. Yes, many of us are getting 'older', but technology marches on and innovation and invention does not wait for anyone. Ask yourself, what will it be. We are fortunate to have seen the days of yester years and the explosion of knowledge sharing thanks to the internet of the present. Are we putting it to good use, or are we using it at all? As the saying goes, if you don't use it you lose it.

This year and the next, appear to be the Sun Spot high and the cycle is expected to start the down ward trend later next year to a solar minimum. Have we considered getting on the radio and playing? HF Bands are in fairly good shape, during the evening hours. Long haul Dx and over the pole Dx seems to be percolating into our latitudes. Try it you may be surprised, but don't procrastinate. Get with it. If you don't have a station setup at home - that excuse is unacceptable. As members of this club you have the awesome facility to use the club station. It has some great antennas, radios and even amplifiers to play with. Contact the station manager. What other radio club can provide this facility!!

This summer some minor maintenance work was undertaken at the station by Rick VE3IMG and Bob VE3CWU. I would like to thank them for their time and effort. There is an effort underway to reinstall the south tower and is planned for later this month. If interested in helping out, speak to Rick VE3IMG, station manager. I'm certain he will greatly appreciate any assistance.

Amongst other activities this summer, the MIS VHF repeater maintenance was undertaken by Jim VE3JIW, John VE3DRZ and Bob VE3CWU. The issue with the VHF repeater that was plaguing us for a number of years has now been settled, thanks to the 'A team'. John VA3XJL is working on testing a new IRPL node that will run without a conventional computer. If you are interested in how all this is done, contact John. The Halton Radial Rail Museum is expecting MARC to setup, like every year, again this year on Sep 21st. See Bob VE3XBB for details and if you can volunteer to help him setup. At our first meeting of the season, George VE3YV, will be hosting his 'Quiz night'. This year it seems George is determined to 'win'.

Even though I was unable to participate in last year's field day, the organizational skills of David VE3MDX, the city bureaucracy and the navigation skills of Tom VE3TWG, and the help of many others meant that we ate, operated radios, and even managed to sleep a little, from what I have heard. Thanks to Alan Chandler for posting some very nice pictures of the whole event in the Yahoo groups.

Education is a key component of what makes MARC such a successful club. While we don't manage to convert all our graduates to long-term members, it is certainly a source of new blood entering the club. Barry VE3LBL our Education Manager will be hosting the new class starting Sep 9th at Ozone.

In conclusion, what is your passion? Could you share it with the membership for about a half hour at a club meeting? Speak to Scott NA3NMI our Programs Mgr.



“The Communicator”

This is the September 2013 edition of the Editors Column

September, means a lot of things to many people. It’s the end of summer holidays, and the return to schools and universities. It means the resumption of club activities, and they should prove to be as interesting as always. I know that I plan to attend some Thursday general meetings, that is when I can find time to sneak away from work without anyone noticing. I also plan on attending a project night or two, to share my ideas, and hopeful progress with a couple of electronic projects that I have currently revived from their hold status they found themselves in. So I look forward to catching an “eye ball” which old friends and new members alike.

The first event, of this club year is indeed one of my favorites, the Halton County Radial Railway, held this up coming weekend, and apart from being a great radio event it is also an excellent location to take in the nostalgia, an excellent photo opportunity.

Regular club meetings have resumed, and all times and events are posted on the club website:

➔ WWW.MARC.ON.CA ←

Valentine Stubbs,
 Editor of the “Communicator”

VE3VVS.

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On September 28, 2013 Radioworld will host its first FlexRadio Seminar and Sale featuring guest speaker Greg Jurens K5GJ

At this time we ask that you register via telephone call to Radioworld at 416-667-1000 or by email to leo@radioworld.ca to ensure you have a seat at this event. All registrations will be accepted on a first come, first serve basis.

**Doors open at 9:30 am, store closes at 3:00pm
Seminar starts at 10:15 am sharp!**

Special pricing on FlexRadio products will be offered that day only!

Agenda

SECTION 1: Introduction to Software Defined Radio:

- a. What is an SDR?
- b. SDR vs. traditional radio
- c. SDR architectures
- d. SDR history
2. FLEX-Series SDRs
 - i. FLEX-5000
 - ii. FLEX-3000
 - iii. FLEX-1500

BREAK

SECTION 2: Recent Advances in SDR

- a. Introduction to Direct Sampling SDR technology
- b. Features and Design Challenges
- c. It's all about Horsepower
- d. Introducing the FLEX-6000 Signature Series
- d. A "simple" introduction to Digital Signal Processing
- e. Ham Radio meets "The Net"
- f. Complex made simple

BREAK

SECTION 3: Radio Demonstrations

- a. FLEX-Series PowerSDR Demo (FLEX-5000)
 - i. Introduction to PowerSDR
 - ii. Tips and Tricks
 - iii. The perfect tool for DXers and Contesting
- b. FLEX-6000 SmartSDR Demo
 - i. Introduction to SmartSDR
 - ii. Slices and Panadapters Galore!
 - iii. Harnessing the Power of Bandwidth

After the seminar concludes, all are welcome to hang around and enjoy the day. Complimentary refreshments will be available all day.

Regards

Jack Summers | General Manager

W 416 667 1000 x 105

Radioworld | 4335 Steeles Ave West | Toronto, Ontario | M3N 1V7

www.radioworld.ca



MARC Members:

For Your Information:

The following is a copy of a notice from **TransCanada** with respect to a **Public Open House** of their **Halton Hills Gas Generating facility** located at **7870 Sixth Line South, Halton Hills, on Saturday, September 14th, 2013 from 1 pm to 4 pm.**

Here is your chance to tour a modern generating facility in our own backyard.

Note: This is a Public Open House and not a tour specifically for MARC members.

73, Ed, VA3TP

Halton Hills Generating Station

Public Open House

The employees at **TransCanada's Halton Hills Generating Station** would like to welcome you to a **Public Open house** being held on **Saturday, September 14, 2013 from 1 pm to 4pm.**

For those who are interested to learning more about this important supplier of energy in the west GTA, this is a great opportunity to speak with our highly skilled employees who operate the station and have a tour to learn how energy is produced at the Halton Hills Generating Station.

Please note this is an informal drop -in gathering.

Refreshments will be provided.

For those interested, guided tours will be arranged on-site.

Please note that since the Halton Hills Generating Station is an industrial site and could be operating during the event, certain safety requirements must be followed by all present:

1. Wear comfortable walking shoes. Hard hats and safety glasses will be provided for the tours and must be worn.
2. Please no children under 16 years of age
3. We advise those with pacemakers not to attend the event. Should the plant be in operation during that time, your health could be seriously affected.
4. Access is via the Sixth Line South Entrance between Highway 401 and Steeles Avenue. The site address is 7870 Sixth Line South, Halton Hills.

If you have any questions, please email us at haltonhills@transcanada.com or call 905-864-0694.



Marc Members:

Our first Special Event of the Season takes place in two weeks (details below) and we would like to get an idea of those that are planning to come out and help with the set up and be willing to operate.

The Halton County Radial Railway Organization has always been helpful and looks forward to our Club.

Look forward to hearing from you.

Ride the Rails and operate VE3MIS special events station

Date: September 21, 2013

Time: 10:00 to 4:00 pm

Location: 13629 Guelph Line, Milton, Ontario.

Directions: Take 401 west to Exit 312 Guelph Line and drive approximately 15 kilometers North. The Museum is on the East side between 25th Side Road and 30th Side Road.

**Set up team is meeting at the Fifth Wheel on Highway 25 and the 401.
At 7:30 am for Breakfast.**

Bob Boyer
Special Event Manager

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MARC Regular First Sunday of the Month Breakfast

First Sunday of the month: **08:30 at Bobbie's Hideaway Restaurant,**
20 Queen St North in Streetsville. (NW corner of Britannia Rd/Queen St. N in Street



Ontario South Director's Report – September 2013

Greetings from your RAC Southern Ontario Director. I trust everyone had a fun and relaxing summer. September is here and fall will be in full swing before we know it. And fall means to attend to all that antenna maintenance you'd been meaning to do since spring!

2013 RAC Annual General Meeting

As part of its requirement as a corporation, RAC holds an Annual General Meeting (AGM) to address its members about the corporation and its financial situation, among other issues. This year, RAC will be holding its AGM in conjunction with the Hamilton ARC ham fest on October 5, 2013 in Marritt Hall at the Ancaster Fairgrounds in Jerseyville (near Ancaster). The AGM will start at 1 pm and will include a report by RAC President, Geoff Bawden VE4BAW, report of the 2102 RAC finances, appointment of auditors for 2013, voting on an amendment to the RAC constitution and a question and answer period. The meetings will also be carried as a webinar for RAC members who would like to attend but cannot make the journey. More information is contained on page 16 of the September/October 2013 TCA.

RAC Regional Webinars

In an effort to continue to reach out to RAC members and non-members, RAC Executive and Directors have begun holding webinars for the benefit of hams in various regions of the country. The webinars have been well-received and a webinar for Ontario South is being planned as we speak. Stay tuned on a date and time.

Club Affiliation Program

The RAC Affiliated Club program is offered by RAC to ham radio clubs who want to become members of RAC and receive membership benefits, the primary one being able to take advantage of the RAC liability insurance program. As of today there are over 130 RAC Affiliated Clubs. If your club is interested in the program, please see the following link for more information and an application form: <https://www.rac.ca/en/rac/programmes/affiliated-clubs/>

Ham fests and Flea markets

On Sunday, September 22 I will be attending the London ARC ham fest being held at a new location: the Hellenic Community Centre at 133 Southdale Road West in London. On Saturday, October 5 the Hamilton ARC will be holding its ham fest at the Ancaster Fairgrounds. As mentioned above, the 2013 RAC Annual General Meeting will take place immediately after the ham fest. And finally, the York Region ARC ham fest and flea market will be held on Saturday, November 2 at a new location: the Newmarket Community Centre at 200 Doug Duncan Drive in Newmarket. If you can, come out and support your local ham fests and flea markets.

As always, if you have any questions, comments or concerns I can be reached via email at va3wxm@rac.ca.

73,

Jeff VA3WXM

RAC Ontario South Director



Amateur Radio Classes Schedule

Classes: held each **Monday**, at 07:00 PM.

Location: Red Cross OZone, 5700 Cancross Court,, Mississauga - Peel Training Room

Date	Week	Subject	RAC Guide Chapter	Instructors
Sept. 16	2	Basics, DC & AC, Frequency, Wavelength	2, 5	Barry VE3LBL
Sept. 23	3	Ohms Law, Inductance, Capacitance & Impedance	3, 4	Barry VE3LBL
Sept. 30	4	Tubes, Solid State & Power Supplies	9, 10	Barry VE3LBL
Oct. 07	5	Propagation, Transmission Lines	6, 7	Ed VA3TPV
Oct. 14		NO CLASS. Enjoy your Thanksgiving.		
Oct. 21	6	Antennas	8	Michael VE3TKI
Oct. 28	7	Transmitters & Modulation	13	Barry VE3LBL
Nov. 04	8	Receivers	14	Barry VE3LBL
Nov. 11	9	Set-up, Operations & Regulations	11, 12 17, RBR-4 RIC-3	Barry VE3LBL
Nov. 18	10	Repeaters		Barry VE3LBL
Nov. 25	11	Interference & Safety	15, 16	Barry VE3LBL
Dec. 02	12	Review	All RIC-2 RIC-3	Barry VE3LBL
Dec. 09	13	Basic IC Examination: 7 PM Red Cross OZone Peel Training Room. Please bring photo id.	- All RBR-4 RIC-3	Basil VE3JEB Barry VE3LBL

MARC Members Yahoo Group

The MARC Members Yahoo Group is the primary way

To disseminate club information about upcoming events

Join the MARC Members Yahoo Group

To receive club related communications and to contact other club members

http://groups.yahoo.com/group/marc_members/



Club Note's and information:

- 1) Club meetings start 7:30PM at St. Thomas A Becket Church Hall, 3535 South Common Court unless otherwise noted.
- 2) Sunday brunch is held at 8:30AM on the first Sunday of each month at Bobbie's Hideaway Restaurant, 20 Queen St, Streetsville (NW corner of Britannia Rd/Queen St in Streetsville)
- 3) ARES Meetings start at 7:30PM at the Red Cross, Ontario Zone Office (OZONE), 5700 Cancross Court, Mississauga, ON.
- 4) Executive meetings start 7:30PM at the Club Station, Danmax Electronics, 2311 Anderson Drive Unit B, Mississauga.
- 5) The Basic Classes start at 7:00 pm at the Red Cross OZONE, 5700 Cancross Court, Mississauga - Peel Training Room

Visit our website: <http://www.marc.on.ca> for the up to date calendar of events.


MARC Project Nights

The MARC Project Nights check our club calendar in September



RAC MEMBERSHIP APPLICATION/TCA SUBSCRIPTION OPTIONS

For two- or three-year memberships or renewals please contact the RAC Office given at bottom of this page.

Please enter applicable choice(s) _____ 

Please indicate New or Renewal:	
1 year RAC membership; @\$52.00 plus GST or HST as applicable Total \$54.60 in AB, MB, NT, NU, MB, PE, QC, SK, YT (5%) Total \$58.76 in NB, NL, ON (13%). Total \$59.80 in NS (15%)	
1 year RAC membership only; for a blind person <u>NO MAGAZINE</u> @\$25.00 plus GST or HST as applicable Total \$26.25 in AB, MB, NT, NU, MB, PE, QC, SK, YT (5%) Total \$28.25 in NB, NL, ON (13%). Total \$28.75 in NS (15%)	
Family membership; price per extra family member @ \$25.00 plus GST or HST as applicable per year (one TCA per family) (Does not apply to simple subscriptions.) Total \$26.25 per person in AB, MB, NT, NU, MB, PE, QC, SK, YT (5%) Total \$28.25 per person in NB, NL, ON (13%). Total \$28.75 per person in NS (15%)..	

Donation to the RAC Foundation enclosed	\$
Donation to the Defence of Amateur Radio Fund enclosed	\$
Donation to the Youth Education Programme enclosed	\$
Donation to the Amateur Radio Emergency Service (ARES) Programme enclosed	\$
Grand Total:	\$

Visa/MasterCard No:	Card Expiry Date (MM/YY):
Security code on back of card (CVV2):	
Name of person credit card is issued to:	

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 720 Belfast Road, Suite 217
 Ottawa, ON, K1G 0Z5
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 Email: rachq@rac.ca

