



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

June 2010, Volume 71 Number 6

club web site is www.halifax-arc.org



Field Day June 26 & 27, 2010 Participate and have fun with HARC



HARC Club Station phone number - 490-6421

Executive

President - Murray MacDonald, VE1MMD	826-7831	twomacds@ns.sympatico.ca
First V.P. - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca
2nd V.P. - Sheldon Page, VE1SJP		sheldon.page@gmail.com
Secretary - Howard Dickson, VE1DHD	823-2024	dhdickson@eastlink.ca
Treasurer - Keith Landra, VE1STN		tkeith.landra@yahoo.ca
Director-at-Large: - Don Trotter, VE1DTR		ve1dtr@rac.ca
Club Station Mgr. - Wayne Harasimovitch, VE1WPH		wayneph@eastlink.ca
Past President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca

Committees/Offices/Prime Contacts

Government liaison - Murray MacDonald, VE1MMD	876-0661	twomacds@ns.sympatico.ca
QSL Bureau Mgr - Tom Caithness, VE1GTC	477-7081	tom.caithness@ns.sympatico.ca
EMO Coordinator - Dave George, VE1AJP	466-8723	dgeorge@dal.ca
EMO Trailer coordinator - David Musgrave, VE1EDA	435-4333	ve1eda@rac.ca
Reflector editor - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Reflector Dist. - Sheldon Hartling, VE1GPY		hartling@netpathinc.com
Membership - Sheldon Hartling, VE1GPY		hartling@netpathinc.com
Web page - Frank Smith		frankiansmith@gmail.com
Basic ham course - Barry Diggins, VE1TRI	861-3719	ve1tri@rac.ca
2010 Flea market Chair - Tom Gaum, VE1BMJ445-8103		tgaum2@ns.sympatico.ca
Field Day coordinator - Murray Alary, VE1ALS		
Safety Officer - Terry Bigelow, VE1TRB		ve1trb@eastlink.ca
NSARA Director - Barry Diggins, VE1TRI	861-3719	ve1tri@rac.ca
Honorary Legal Counsel - Paul Radford, VE1ARH		

Non Club Contacts

RAC Atlantic Director - Len Morgan, VE9MY	506-696-5279	morgakl@nb.sympatico.ca
RAC Section Manager - Jim Langille, VE1JBL (902) 667-1485		ve1jbl@ns.sympatico.ca
RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2761		ve1qd@rac.ca

Take-15 Net Controllers

NOTE: The net will be discontinued for the summer.

If you want to join, please let Bill Elliott, VE1MR, know.



June	13	Win	VE1WIN
June	20	Doug	VE1LDL
June	27	Bruce	VE1MLW
Aug.	29	Win	VE1WIN
Sept.	5	Doug	VE1LDL
Sept.	12	Bruce	VE1MLW
Sept.	19	Bruce	VE1MLW

One day a housework-challenged husband decided to wash his Sweat-shirt. Seconds after he stepped into the laundry room, he shouted to his wife, "What setting do I use on the washing machine?" "It depends," I replied. "What does it say on your shirt?" He yelled back, "University of Alabama." And they say blondes are dumb...



The **Monthly General Meeting** of the Halifax Amateur Radio Club will take place Wednesday, June 16, 2010 at 1930 hours (7:30 PM) in the club rooms in the Saint Andrews Rec Ctr.

Tonight's program will be Field Day planning

Guests are welcome.

Come participate in Field Day June 26 & 27. We'll set up at and operate from York Redoubt historic site. Advantages of this site include accessibility for us & our equipment (also for visitors such as interested sight-see-ers, media, EMO and/or government reps), excellent site topography for towers, tents, operating positions & parking, on site Park security and flush toilets

Puzzler - Do you know?

Why do noises get louder during a deep freeze?



Answer is on pg. 9

Deadline for submissions to the September Reflector is Saturday, Sept. 4, 2010

GENERAL INFORMATION



Sunday evenings:

TAKE-15 NET at 8:30 PM

Will be cancelled for the Summer

CLUB REPEATERS:

VE1PSR/VHF - 147.270 MHz +

VE1PSR/UHF - 444.350 MHz +

VE1PSR/6M - 53.550 MHz -

access tone 151.4 Hz

VE1HNS - 146.940 MHz - TX=82.5

PACKET: VE1NSD 145.050 MHz

LAN NODE

Events for Your Calendar

June 26 & 27 – Field Day 2010

July – Museum Ships Special Event

July 24 – 25- IOTA

July 24 & 25 – MS Bike Tour,
Windsor to Wolfville;. Contact Rick
Gardner, VE1RGG, to help with
communications

July 15 - deadline for receipt of ap-
plications for the 2010 Brit Fader
Scholarship

July 21 & August 18 – Pizza Nights

June 5 & 6 – Museum Ships on the
Air. 61 ships have signed up to take
part in the event. Unfortunately the
Sackville is not available for this
event .

**August 6 & 7- DX forum; and
RAC AGM**August – International Lighthouse &
Lightship Weekend

For more information see

[http://www.lighthouse.fsnet.co.uk/
events/intlighthouseday.html](http://www.lighthouse.fsnet.co.uk/events/intlighthouseday.html)

Sept. 9 Basic Amateur Radio Course

October – Greenwood Flea Market

Each fall beginning in September the
Halifax Amateur Radio
Club runs a Basic Ham
Class which is hand-on
and classroom based.

We also run a self-study
class during the winter.

Contact course co-ordinator Barry
Diggins

<bdiggins@chebucto.ns.ca>

**SABLE ISLAND (CY0)**

There is a 2009 Dxpedition sched-
uled for a Sept/Oct 2010 time frame.
The web site

WWW.CY0dxpedition.com
will be updated as more details are
available.

Operators include: WA4DAN,
AA4VK, N0TG, AI5P

*I don't suffer from insanity;
I enjoy every minute of it.*

Silent Key

Burt Amero, VE1AMA.

Burt retired after 32 years as a
photo tech with the Canadian Air
Force having completed tours in
Bosnia, the Golan Heights, and
Lahr, Germany. Burt was an avid
amateur radio operator who started
& ran Network 105 for 21 years
Burt finally lost his battle with
Cancer on Tuesday, May 25, 2010.

The Brit Fader Scholarship

will be awarded in 2010 in the
amount of \$1000 to assist with
post-secondary education for a
young Canadian Radio Amateur.
The deadline for receipt of applica-
tions will be July 15th 2010. An ap-
plication package can be down-
loaded from the HARC website.

HARC Station Manager Wayne,
VE1WPH, has announced that Jen-
tronics will be giving all Radio
Amateurs a 10% discount on pur-
chases made at Jentronics.

*Business conventions are
important because they demon-
strate how many people a company
can operate without.*

MS Walk Sunday 30 May 2010

This marks another successful Amateur Radio Community Service Event!

Once again, Halifax Amateur Radio Club members showed our true colors by supporting this event. We started this morning at 0800 and finished up at around 1600. The following members represented the Club; Wayne VE1WPH, Dave VE1EDA, Peter VE1PJW and Amanda, Doug VE1LDL, Tom VE1GTC, Murray VE1MMD, Dave VE1DDC, and myself Terry VE1TRB. Club members helped set up tables and chairs, put up and took down route signs, assisted in setting up Rest Stops, and assisted in ensuring route flaggers were placed in the most advantageous positions along the route. The event was well enjoyed by all members despite the forenoon wet weather. There were over 600 walkers this year and not a single incident occurred requiring First Aid.

It was actually a learning experience for Wayne VE1WPH who quickly learned the difference between the P and the D position in those new Dodge vans! High Five Bud!!



I'd like to thank you all for your hard work today! Those
who suffer with MS certainly do appreciate your support!

Terry, VE1TRB, CD CPO2 Ret'd



Campobello Island, New Bruns-
wick – IOTA NA-014, was activated
from 28-May-2010 22:00 until 31-
May-2010 23:00; Callsign: VE1FO/9
Operators: VE1AI, VE1QD,
VE1DHD, VE1RGB, VY2RU,
VE1PEI, N1URA, KB1RZ
Campobello, NA-014

[http://www.rsgbiota.org/info/
groupinfo.php?refno=NA-014:](http://www.rsgbiota.org/info/groupinfo.php?refno=NA-014)

Direct QSL requests should be send
to the attention of Howard Dickson,
VE1DHD, Halifax Amateur Radio
Club, PO Box 663, Halifax, N.S. B3J
3T3 CANADA

Campobello Island is located at 44°
51'48.05"N & 66° 58'44.66"W near
the mouth of the Bay of Fundy, and
lies off the south-east corner of New
Brunswick and the south-east tip of
the state of Maine. A car ferry con-
nects Campobello to the mainland by
way of Deer Island New Brunswick,
but it only runs during the summer
months; so to get to Campobello Is-
land at other times of the year, Cana-
dians need a passport and must travel
through the United States entering
over the Roosevelt Campobello Inter-
national Bridge from Lubec Maine.

Website

<http://www.QRZ.com/VE1FO>

Howard, VE1DHD

PRESIDENT'S MESSAGE

It's business as usual! As a follow up to an issue raised at our regular monthly meeting, I was instructed to contact R.A.C. concerning the e-mails in circulation concerning the possible shut down of the out-going QSL Bureau, as of mid May, due to a lack of funds. I e-mailed R.A.C. and got a very quick response. (Certainly a positive change when e-mails went unanswered or even acknowledged for weeks.) What ensued was a long telephone conversation with Ian Mac Farquhar (VE9IM) R.A.C. 1st Vice President, who acknowledged that some problems existed but ensured that it was "business as usual" at the Bureau. That's great news for those who use the Bureau, and indeed, may be the only reason that they hold membership in R.A.C. Kudos to Ian and to the R.A.C. Executive and Board for their actions in ensuring that the QSL system will remain viable.

It is easy to overlook the work performed by the incoming, outgoing and regional QSL Bureaus, but from first hand experience, I can assure you the job being done is first class.

On another note, it's that time again. Field day will soon be here and this year we are pleased to have Murray (VE1ALS) as Chair. He will need your help, so when he asks, please say yes.

Murray (VE1MMD)

CLUB ACCESS

Access to the HARC club station is by way of a card swipe access system. You can use any card with a magnetic stripe (VISA, Air Miles, Drivers License etc.). To be activated you will need to see Tom, VE1GTC; Wayne, VE1WPH, or Murray, VE1MMD so they can activate your access and make a record. No personal information is recorded as you will see when you get activated. This will give you access to the main room and library.

NOTICE

If you are interested in getting fall arrest certification for tower climbing, please contact an executive member. No course is currently scheduled but you want to be sure to be on the list for a seat.

HARC has a stock of **Anderson Powerpole connectors** for sale at \$1.25 each (for a red and black connector for one complete end). To make a complete mating pair will require 2 connectors. If you have not already converted all your gear to Powerpole connectors you should consider doing so. Place orders with Tom Caithness, VE1GTC, by E-mail tom.caithness@ns.sympatico.ca

HARC Field Day Safety Environmental Plan

Providing a Field Day Chair's man steps forward, the Halifax Amateur Radio Club will hold an Emergency Preparedness Weekend ("Event") beginning at 3:00 p.m. on Friday, June 25, 2010 through to 6 p.m. on Sunday, June 27, 2010 at York Redoubt National Historic Site of Canada.

HARC has conducted this event at the Site in 2006 & 2008, and in 2009 at an HRM site all with post event reports. HARC Executive is fully aware of any safety and environmental precautions that must be taken before, during, and after the event. HARC executive will review reports from past years to ensure all concerns have been addressed.

Since this Site is a public area, it is necessary to take extra steps to ensure the safety of visitors to the site at all times, particularly during set up and tear down.

Hazards unique to this event, such as rf safety, electrical, tripping, elevated structures, wire, ropes, & fire must be minimized as much as reasonably possible.

Up to date emergency first aid response is also necessary. The Safety Environmental Plan submitted to Parks Canada should include;

- identification of Safety Officers,
- on site personnel trained in CPR and first aid,
- up to date first aid kits on site,
- planned method for erecting, and securing the towers to maximize safety,
- identification of fall zones for erected structures
- what will be used for shelters,
- the use of propane BBQ,
- food preparation and storage,
- any other safety considerations, and
- environmental issues such as fuel spill response.

All safety and environment issues identified during the 2006, 2008 & 2009 events, will be identified later in this document, most of which have already been dealt with.

1.Designated Safety Officers

- Terry Bigelow VE1TRB
- Assistant Safety Officer Pat Kavanaugh VE1PHK
- Assistant Safety Officer Dave Charbonneau, VE1DDC

The complete--and official--rules for Field Day are available on the ARRL Web site

<http://www.arrl.org/contests/rules/>

Real-life Dilbert-comic-strip-type manager's quote from corporate America, circa 2004:

"Doing it right is no excuse for not meeting the schedule."

(Plant Manager, Delco Corporation)



Photos in this issue by Howard, VE1DHD, John Brady, VE1WZ, and Rob, VE1KS

HARC's new communications trailer was on display at the 2010 DownEast Fleamarket



2010's DownEast Fleamarket
Held at the Halifax Forum
Co-sponsored by the Halifax
ARC and the Dartmouth ARC

*Do you have a radio-related story, question, answer, article, notice, picture or letter to the editor that you would like to share by having it published in the HARC Reflector? Get them to HARC Reflector editor, Lynn Bowser, VE1ENT
velent@rac.ca*



Spreading the word about the
Maritime DX Forum



The Incoming QSL Bureau (no photo) had a table for the convenience of those with cards to pick up, wanting to replenish their mailing deposit with the Bureau (covers the cost of envelopes, labels, postage & handling) and, if necessary, to update their mailing address.

The Darwin Awards are bestowed every year on the persons who died in the stupidest manner, thereby removing themselves from the gene pool.
Nominee No. 1 for 2009:
(San Jose Mercury News):

An unidentified man, using a shotgun like a club to break a former girlfriend's windshield, accidentally shot himself to death when the gun discharged, blowing a hole in his gut.



The main door prize, an ICOM HT, was won by Doug Holmes, VE1AHF. Presented by ICOM rep. Murray Lyman, VA1CQ

CY0 DXPEDITION 2010

By Gary, VE1RGB

Some of you will have noted that another group of DXpeditioners has set its focus on Sable Island CY0 during the latter part of October next. While we have seen autonomous operations come and go over the years transparent to HARC, this group has taken what I would call a much more prudent and enlightened (and friendly) approach to getting to Sable Island and back and that is by enlisting this club's support. The original contacts for this exercise by the DXpedition team were through Murray VE1MMD and Scott VE1QD and Murray, on behalf of the club, has confirmed HARC's willingness to do whatever we can to help.

Try to put yourself in the place of a DXpedition group: The event planning takes years and costs eye-watering amounts of money. Approvals are required. Equipment is procured (think three PRO III's, one K3, three Tokyo High Power PAs, bandpass filters, etc – the list is endless). World-wide publicity is generated. Then, at the last reasonable moment, all the gear and support logistics – the whole trip – gets packaged up and mailed to some place in a country you may or may not have ever visited before where it is subjected to international regulations which you may or may not understand adequately, and where they are presumably stored under some level of security and accountability by someone, somewhere. Later, one hopes, they get shipped to Sable by something called a Britten Norman Islander. How comfortable would you be during that period of uncertainty between when the equipment left your hands and when you yourself arrive at the destination? Me? Not so much. That's where HARC comes in.

At the moment, the point man for CY0 Halifax logistics staging is

VE1RGB whose job will be to take delivery of the initial shipment of materials to Sable Island via Halifax International Airport, inventory what has been received here against what was shipped, deal with any Canada Customs issues, and ensure that the materials do indeed then leave Halifax onward to Sable. While there is nothing magic about what needs to be done here, nonetheless the opportunities for things to go adrift are legion and HARC's role here, in a nutshell, is to remove the uncertainty from the minds of the guys who are heading up here from the U.S. We do not want them to arrive in Halifax in October, jump on one of world's more impressive little airplanes, and then arrive on Sable to nothing but skittish horses and an empty house. It's way too late by that point to recover from any prior but unknown, logistics issue. In 1992 a certain ham on the CY0NSM DXpedition managed to get a helicopter to divert to Sable and drop us off a spare FT-890 when mine went U/S early in the trip but those days of calling in favours of that magnitude are, I fear, nearly over. This team is going find itself to be pretty much alone.

My prime point of contact with this group has been with Randy Rowe, N0TG, a prince of a gentleman who clearly is enjoying his relationship with HARC. What I find particularly satisfying about my involvement so far has been the ease with which two quite different and remote groups of amateur radio operators, one of which has a huge investment in this affair, have quickly and easily and comfortably settled into an informal working relationship. What I see here is a wonderful example of how the amateur fraternity can make things work in a way that would cause industry to drool.

I would encourage everyone to have a look at the web site for the

forthcoming CY0 DXpedition <http://www.cy0dxpedition.com/> and, while they are there, sign the guest book. Check out who the ops are. This is a world-class team and we have a front-Rowe seat, so to speak, to experience it all unfold. In particular, keep your eyes on the consequences of the news (on 19 May 2010) from the Federal Government regarding the immediate recognition of Sable Island as a National Park. This announcement from our government has blindsided the 2010 CY0 DXpedition team and frightened them half to death that their agreement with the Canadian Coast Guard for their DXpedition could be rescinded. That sort of catastrophe has beset this group before. However, given that there are only 5 months remaining before the DXpedition and taking the inertia of two or three levels of government into consideration, I am predicting that Randy and the crew will be safely back home from Sable before the first Sable Island Park transition committee is struck. For once, governments are their friends.

With a little luck, their gear will follow them.

How is it that we put man on the moon before we figured out it would be a good idea to put wheels on luggage?

Safety Moments

Because There are some weird & dangerous people out there ...

Action to take in an emergency situation:

- If a robber asks for your wallet and/or purse, DO NOT HAND IT TO HIM. Toss it away from you ... Chances are that he is more interested in your wallet and/or purse than you, and he will go for the wallet/purse. Now RUN LIKE MAD IN THE OTHER DIRECTION

Tip from Tae Kwon Do - The elbow is the strongest point on your body.

The Halifax Amateur Radio Club Monthly General Meeting May 19th, 2010 MINUTES

President Murray MacDonald (VE1MMD) opened the meeting at 19:30 hours.

Silent Keys – None reported

Approval of Agenda:

Motion – THAT the agenda be adopted as distributed.

Moved by: Bruce (VE1MLW); Seconded by: Doug (VE1LDL) Motion carried.

Introduction of new members and guests – none present.

Approval of Minutes of April monthly meeting.

Motion – THAT the minutes of the April 21st 2010 monthly meeting of the Halifax Amateur Radio Club as published in the May edition of the *Reflector* be approved.

Moved by: Don (VE1DTR);
Seconded by: Tom (VE1GTC).
Motion carried.

Treasurer's Report: Keith (VE1STN) reported expenses of \$1,582.76 and income of \$1,803.72. Petty cash on hand was \$166.96 and the total bank balance as of the end of April 2010 was \$9,804.89.

Motion – THAT the report of the treasurer be approved.

Moved by: Keith (VE1STN);
Seconded by: Bill (VE1MR). Motion carried.

Executive Reports:

Second Vice-President – Sheldon (VE1SJP) informed the members that the normal presentation for the June monthly meeting will be replaced by a Field Day planning session. The speaker for this evening will be Sheldon Hartling (VE1GPY) talking about the Flex 5000A Software Defined Radio. The door prize for the

evening will be a stainless steel BBQ set.

Station Manager – Wayne (VE1WPH) – Wayne reported that there will be a major work session at the Club station on the weekend of 22 May to bring on line many of the things that have been designed as Station improvements.

Committee Reports:

Membership – Sheldon (VE1GPY) – Sheldon reported current membership numbers: Life = 4; Full = 106; Associate = 22. There were 85 electronic versions of the Reflector emailed and 42 sent through Canada Post this month.

Maritime DX Forum – Scott (VE1QD) – Scott reported on his attendance at the Dayton Ham Fest where he promoted the Maritime DX Forum (MDF) and met with several of the speakers that will be coming to Halifax in August for the 2010 Forum. Scott received a \$300 donation to the DX Forum from “Super Bertha” Towers (Scott Johns). Scott reported that Cushcraft, ICOM, Super Berth, and Jen-tronics will all be represented at the 2010 DX Forum. Scott also pointed out the excellent coverage that the MDF has received in The Canadian Amateur magazine and the DX magazine.

RAC Forum – Scott met with Ian MacFarquhar (VE9IM) – 1st V-P at RAC – on his way back from Dayton and took that opportunity to impress on RAC the importance of their contribution (RAC Forum) to the DX Forum.

Basic Course – Barry (VE1TRI) reported that the 2010/2011 Basic course with start on Thursday 18th September. One student is currently doing the self-study course.

NSARA – Barry Diggins (VE1TRI) is our Club representative for NSARA and he reported on the meeting that was held in conjunction with the Down East Flea Market. Next year, the plan is for the NSARA annual contest to be split

into two components – SSB and CW/Digital. The NSARC picnic will take place in late August in Parrsboro NS and will be hosted by the Westcum A.R.C.

Advanced Course – Howard (VE1DHD) reported on the completion of the course for 2010. Participants were Don (VE1DTR); Ralph (VE1RAR) and himself. Howard expressed appreciation to Jeff (VE1ZAC) for the time and effort that he had put into the course. Howard indicated that since he did not have a background in electronics, he found this course extremely rewarding and has already made modifications to his station based on knowledge gained from the course. He and the others plan on writing their Advanced Exam in the fall after they get off the water and golf course this summer.

QSL Bureau – Tom (VE1GTC) reported that they distributed over 1000 QSL cards at the Flea Market.

EMO – Tom (VE1GTC) reported that an Emergency Communications course will be held in the Club Station on Saturday June 5th from 9 to 4pm. To register, contact Tom.

Old Business:

Field Day Chair – Murray (VE1MMD) informed the members that Murray Alary (VE1ALS) had indicated his willingness to chair the Field Day committee this year.

MOTION: That Murray Alary (VE1ALS) be approved as the Field Day Chair: Moved by Dick (VE1AI); Seconded by Bill (VE1MR). Motion carried.

Murray Alary indicated that he wants to get a list of those individuals who will take on specific responsibilities related to Field Day. Contact Murray if you are able to assist in any area.

FT-1000 – Bill (VE1MR) – reported that he will be going to pick up the radio from Clarence (VE1HD) but indicated that it is not yet fully functional.

Trailer Project – Bill (VE1MR) reported that the HARC repeater trailer

(Continued on page 7)

Golf! You hit down to make the ball go up. You swing left and the ball goes right. The lowest score wins. And on top of that, the winner buys the drinks.



was used at the Flea Market and worked well. The project is ongoing and a number of things remain to be completed.

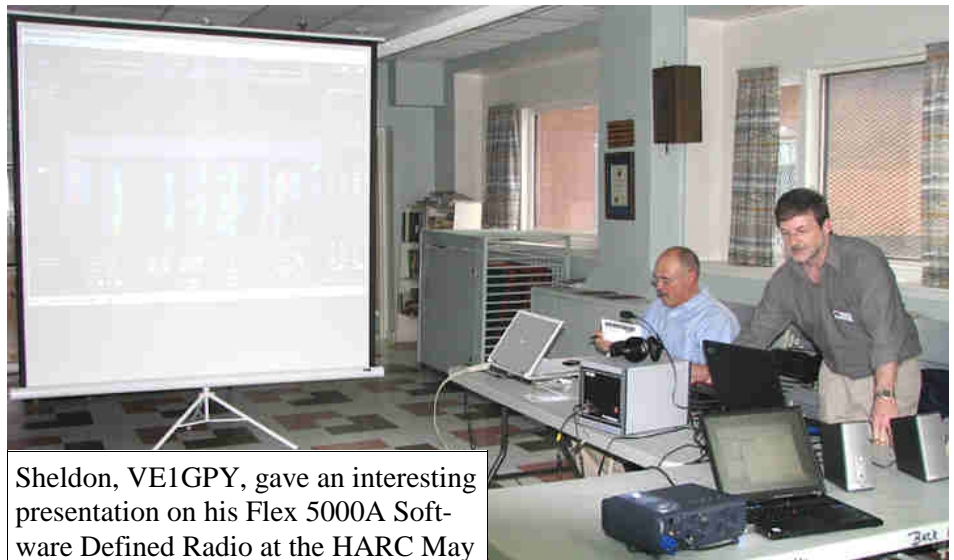
DX Forum – Scott reported that there was a nice two-page advertisement for the RAC AGM and DX Forum in the current TCA.

Tube Bank – Tom (VE1BMJ) reported that the tubes in the tube bank have now all been catalogued and checked. He would now like to get the tubes out of his garage and would like to pass the responsibility of future management of the Tube Bank on to someone else. There are some tubes that have only historic value; others are functional and likely could be used; and, there are some that are of questionable value. There were several suggestions as to how we might dispose of those tubes that could generate income for the Club, but there were no volunteers to take on selling responsibilities.

Flea Market – Tom (VE1BMJ) reported on the Flea Market and indicated that Dave Nimmo (VE1NN) would be happy to look after tables again next year. There were 300 sellers and buyers this year; 102 tables were used and it appeared that there may have been more sellers than buyers this year, but he pointed out that sellers often are buyers as well. Reported revenues at the gate were \$1198; expenses - \$822 and the \$600 float was returned to the two Clubs together with a small profit for each club of just over \$100 each.

MS Walk – Bill (VE1MR) reported for Terry (VE1TRB) indicating that all of the required volunteers are now in place and the event will be well covered.

Letter to RAC in support of QSL Bureau – Murray (VE1MMD) reported on a meeting that he had with Len Morgan our RAC Director who had indicated that the RAC Executive are attempting to reduce the operating costs for the RAC-sponsored QSL Bureaus.



Sheldon, VE1GPY, gave an interesting presentation on his Flex 5000A Software Defined Radio at the HARC May general meeting. Time ran out long before the topic (or the audience) could be exhausted.

If the professor on Gilligan's Island can make a radio out of a coconut, why can't he fix a hole in a boat?

New Business:

Museum Ships on the Air (June 5/6) – Murray (VE1MMD) reported that 61 ships have signed up to take part in the event. He urged members interested in working from the Sackville during this event to contact him.

HARC Monthly Meeting Room – Murray (VE1MMD) reported that the administration of the St. Andrews Community Centre wants to move us from our normal monthly meeting room. The alternative accommodations that they propose are unsuitable. Murray met with the administrator but was unsuccessful in getting this reversed. He will pursue this with our local member of Council.

QCWA – Quarter Century Wireless Association – Scott (VE1QD) suggested that we form a chapter of the QCWA within the Halifax Club. Scott asked the Executive to take this under advisement.

John Bartlett (HK3OZ) – Murray (VE1MMD) reported on John's status in Bogota; he is in the process of establishing his station there

and is actively involved in the Radio Amateur community in Bogota.

Announcements – Wayne indicated that he had a meeting with Vince at Jentronics and they will be giving all Radio Amateurs a 10% discount on purchases made at Jentronics.

50/50 Draw – \$25 was won by Frank Wilson (VE1FHW).

Door prize – John (VE1CDD) won a stainless steel BBQ set.

There being no further business, on a motion by Doug (VE1LDL) the meeting was adjourned at 20:30 hours.

Guest Speaker: Sheldon Hartling (VE1GPY) gave a presentation on and live demonstration of his Flex 5000A Software Defined Radio.

Respectfully submitted
D. Howard Dickson, VE1DHD,
Secretary, HARC

Are you up to date with your HARC membership dues?

Yearly rates are as follows:

Full = \$25 Associate = \$15

Family (2 members) = \$35 + \$10 for each additional family member at same address (only 1 newsletter)

Contact Membership Chair Sheldon Hartling, VE1GPY

If people were meant to pop out of bed they'd sleep in toasters. - Garfield

From the Mail Bag

I have uploaded a small tribute to Burt VE1AMA on our club website. Phyllis VA1PR and her daughter Grace were with us for supper and they approve of what I have done.

Our website is

<http://greenwoodarc.org>

Please pass this on to others that you may feel would be interested.

73, Eric Smith, VE1CFY
President GARC

From The ARRL Letter Feb.11, 2010
Hints and Kinks: **Unistrut Antenna Support**

This idea is from Louis Kobet, WB3DZD, of Camas, Washington.

When considering a center support for the installation of an inverted V antenna I decided on the following requirements: a strong material, easy assembly, corrosion resistant and with tilt-over capability. The initial design was to use several 10-12 foot sections of antenna mast or 2 inch galvanized pipe coupled together. Due to the cost of antenna mast and galvanized pipe being more than anticipated, an alternative, 10 foot sections of 1-5/8 inch Unistrut channel was selected.

Unistrut is a ham's Tinkertoy. It is available in 13/16, 1 1/4 and 1-5/8 inch widths, 10 and 20 foot lengths and in 12, 14 and 16 gauge sizes. It is made with dipped surface protective treatments from electro-deposition acrylic green to "hot dipped" galvanized coatings and multiple channel designs (including telescoping sections). A vast selection of brackets and fasteners is available and it is continuously slotted for easy guying. The design and choices for project use are limited only by the creativity of the user.

The tilt over base support consisted of a treated 4x4 inch landscape post anchored in concrete. (The wooden

(Continued on page 9)

Halifax Amateur Radio Club 2010 MARITIME DX FORUM

6 – 7 August 2010

To: Hams wishing to attend only the RAC AGM and/or the RAC Forum

From: HARC's MDF Organizing Committee

Subject: Instructions for Registering

HARC is proud to be hosting the 2010 RAC AGM and Forum, and have integrated it into our MDF program. However, we welcome those who may wish to only attend the RAC portion of the program.

In order for us to plan for the use of the conference venue and amenities, we ask you to fill out and submit a copy of the regular registration form. All you need to do is tick off the box on the Registration Form indicating your attendance at the RAC AGM on Friday and/or write in "RAC Forum too" if you plan to attend it as well on Saturday afternoon

There is no charge for attending the RAC AGM on Friday. However, since the RAC Forum is a part of the MDF Program on Saturday, and all MDF attendees have paid to be there and to enjoy the coffee break prior to it, we ask you to make a contribution of \$5.00 to help defer our costs. This can be noted on the Form as a donation to the Maritime DX Forum Fund. We will provide you with an identification badge.

It is important for you to register so that we know what numbers to plan for. The part of the program relevant to you is as follows:

Friday, 6 August 2010

· 1430 – 1700

RAC AGM

Saturday, 7 August 2010

· 1445 – 1515

Coffee Break

· 1515 – 1645

RAC Forum

WELCOME AND THANKS FOR SUPPORTING RAC, OUR NATIONAL ORGANIZATION!

With no sure end in sight of the under-sea oil "leak" in the Gulf of Mexico you might be wondering. **"How did the oil get under the ocean?"** Well some of it derived from a massive sea life extinction that occurred about 93.5 million years ago.

In the Contessa Quarry in central Italy where there's a pronounced, meters thick layer of organic matter, geologist Steven Turgeon of the University of Alberta picked up some rocks that, when analyzed, point to the likely cause of a mass extinction of sea life that has long perplexed geologists. Chemical analysis of these rocks from Italy and others from the sea floor off the coast of Peru tie the cause of this extinction to undersea volcanism. Turgeon & U. of A's Robert Creaser have shown that levels of osmium, a chemical isotope, changed

abruptly 93.5 million years ago - a 40-fold increase. They show that more than 97% of the osmium in the samples is magmatic in origin; clearly pointing to a volcanic episode. The Caribbean region was the likely source of the seafloor eruptions ejecting massive amounts of lava and setting off a chain reaction that took thousands of years to play out. While it flowed, the lava seeded the oceans with a large amount of carbon dioxide & nutrients which stimulated plankton & plant growth on which other sea life fed. Then it appears that this overabundant sea life began to die and decompose, a process that depleted the sea of oxygen and lead to very toxic conditions. So much organic matter rained down on the sea floor that much of it was buried and eventually transformed into oil. Source – Canwest News Service, an article by Margaret Munro

Welcome home to Rob, VE1KS, and Dawn who are back from Russia with their new daughter, Anya. While most of their time there was centered around Anya, Rob still found time to meet some local hams.



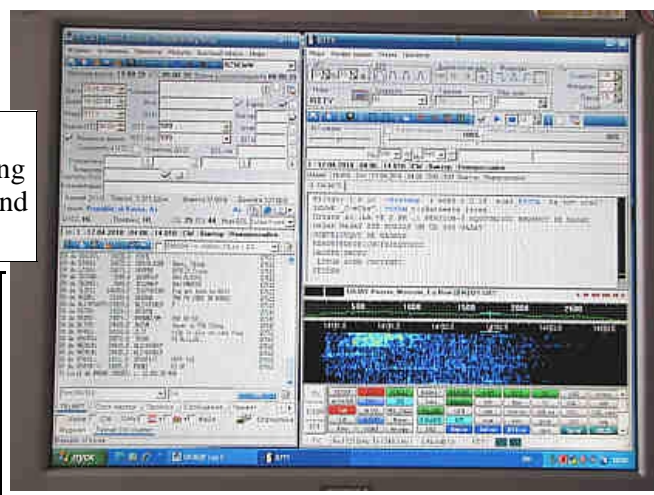
The Khab club station -. Rob worked Papa New Guinea from there.. He was told they rarely ever work Eastern NA.



Their towers are all crank up square shaped things that look like they came off military ships

Photos of the Amateur Radio Club Station in Kahab, in eastern Russia taken by Rob, VE1KS

The computer screen is their own Russian logging program; DXC cluster and digital modes program



(Continued from page 8 *Unistrut Antenna Support*)

post was moisture sealed at the top using the dipped coating used for hand tools and along the length with several coats of wood sealer.) The Unistrut mast pivot point on the support base was a 3 inch lag bolt about 50 inches above ground. In retrospect, a section of Unistrut could have been set in the concrete as the antenna base support.

The Unistrut mast preparation consisted of black paint (except for areas where the sections were bolted together) and the addition of a hoisting pulley mounted at the end of a 2 foot PVC pipe. One problem encountered was in bolting the Unistrut together. Bolting back-to-back against the base of the "U" was not possible because I couldn't get a socket on the bolt head inside the Unistrut channel. To get around this the Unistrut was bolted with the open "U" ends face to face. Square Unistrut channel would have eliminated this issue. The three Unistrut sections were bolted together with about a 12 inch overlap.

An antenna hoisting line was fed through the pulley and mast section carried to the base support for mounting. After attaching the mast to the pivot point it was tilted up into position, plumbed and secured in place with three additional lag bolts.

The V antenna was spread out, transmission cable attached and hoisted to the top of the mast. The ends of the V antenna were attached to a 12 foot landscape treated 4x4 that was secured to the property fence.

Answer to Puzzler on page 1

Temperature affects sound in several ways:
1/ Cold slows sound. In dry air at 20°C the speed of sound is 343 meters per second or 1,236 km/hour (about one km. in 3 seconds).

This speed increases with temperature, but is nearly independent of pressure or density for a given gas. Each drop of 10°C reduces the speed of sound by 22 Km/hr

2/ Although sound becomes sluggish in cold, it also refracts, bouncing off layers in the atmosphere and can be ducted, travelling long distances between cool air pooled near the ground and warmer air higher up.

Sound travels faster in liquids than it does in air; about 4.3 times faster in water (1,484 m/s) than in air at 20°C.

Donating to the Maritime DX Forum Fund

Background. The Maritime DX Forum (MDF) began in 2004 with a meeting of 20 people in the front room of Scott Wood's (VE1QD) home on St. Margaret's Bay. It has grown steadily both in the numbers attending, and in the breadth and depth of the programming. For the first three years we were able to put together an excellent program without incurring many expenses. For example, we were just plain lucky to locate top notch speakers who did not require travel support.

In 2007 we reached the point in the MDF's development that in order to continue growing and offering a world class program, we needed to cover some speaker travel expenses. It was recognized, moreover, that some financial resources were required to develop and try new, innovative programming. Thus beginning in 2007 funding of the MDF has been augmented by donations. This also has helped us to keep the cost of annual MDF event affordable for the majority of the ham radio community.

Maritime DX Forum Fund. Established in 2007, *The Fund* is designed to manage financial donations for the purpose of developing MDF program excellence. This idea was originally suggested by Garry Hammond, VE3XN, who also made the first donation of \$42 – one dollar for each year he had been a ham. We invite you to follow suite, but not necessarily to feel constrained by Garry's formula! Every dollar will help. The **form on this Reflector's page 10** can be used to **make a donation**. Cheques should be made out to the Halifax Amateur Radio Club (MDFF) and either mailed directly to the attention of Helen MacRae, VE1HMR, Halifax Amateur Radio Club, PO Box 663, Halifax, NS, Canada B3J 2T3 or added to your MDF Registration submission.

Administration and Accountability. The money collected will be used only for Maritime DX Forum development purposes, including, when needed, financing the cost of travel for presenters. It will be generally administered by the Halifax Amateur Radio Club, but managed on an operational basis by Scott Wood, VE1QD, Howard Dickson, VE1DHD, who will act as the treasurer, and the HARC MDF Planning Committee. A report will be issued annually following the MDF to account for the revenues and expenditures from the fund. We are investigating the possibility that a tax number can be obtained so donations will be tax deductible.

Senior dress code

With summer fast approaching many of us "Old Folks" (those over 40, or WAY over 40 are quite confused about how we should present ourselves. We're unsure about the kind of image we are projecting and whether or not we are correct as we try to conform to current fashions.

Despite what you may see on the streets, the following combinations DO NOT go together and should be avoided:

1. A nose ring and bifocals
2. Spiked hair and bald spots
3. A pierced tongue and dentures
4. Miniskirts and support hose
5. Ankle bracelets and corn pads
6. Speedo's and cellulite
7. A belly button ring and a gall bladder surgery scar
8. Unbuttoned disco shirts and a heart monitor
9. Midriff shirts and a midriff bulge
10. Bikinis and liver spots
11. In-line skates and a walker

Please keep these basic guidelines in mind when you shop.

DONATION TO THE MARITIME DX FORUM FUND

Name: _____ Call Sign: _____

Address: _____

Telephone: _____ Email: _____

Donation: \$ _____

Cheques should be made out to the Halifax Amateur Radio Club (MDFF)

Send cheque to the Halifax Amateur Radio Club, PO Box 663, Halifax, NS, Canada B3J 2T3

attention: Fraser, MacDougall, VE1WO, **or** add it to your MDF Registration submission.