



REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

June 2007 Volume 68 Number 6
club web site is www.halifax-arc.org

Hope to See You at Field Day 2007 ! To Schedule
Your CW, SSB or GOTA Operating Times See Page 4



The General Monthly Meeting of the Halifax Amateur Radio Club will take place Wednesday, June 20, 2007 at 1930 hours (7:30 PM) at the former Bloom-field School building (corner of Almon and Agricola Streets). The meeting, will be held in the Multi-Purpose Room. The evening's entertainment will be Field Day 2007 preparation. Guests are welcome.

HARC Club Station phone number - 490-6421
See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

Position Name & Call Sign	Phone #	E-Mail
President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca
First V.P. - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca
2nd V.P. - Tom Caithness, VE1GTC	477-7081	tom.caithness@ns.sympatico.ca
Secretary - Murray MacDonald, VE1MMD	876-0661	twomacds@ns.sympatico.ca
Treasurer - Fraser MacDougall VE1WO	865-4198	ve1wo@rac.ca
Director-at-Large - Doug LeBlanc, VE1LDL	465-4665	leblanc@accesscable.net
Club Station Mgr. - Brian Allan, VE1AZV	489-4656	basailor@eastlink.ca
Past President - Bob Swinwood, VE1PQ	860-4454	bob_swinwood@hotmail.com

Committees/Offices/Prime Contacts

- 75th Anniversary Chair - **VACANT**
- Brit Fader Memorial QSL Bureau Manager - Tom Caithness, VE1GTC
477-7081 tom.caithness@ns.sympatico.ca
- EMO Coordinator - Dave George, VE1AJP 466-8723 dgeorge@dal.ca
- Reflector editor - Lynn Bowser, VE1ENT 865-8567 ve1ent@rac.ca
- Reflector Dist. - Howard Dickson, VE1DHD 823-2024 dh dickson@hfx.eastlink.ca
- Membership - Howard Dickson, VE1DHD 823-2024 dh dickson@hfx.eastlink.ca
- Web page - Rob Ewert, VE1KS, 826-1705 ewertr@hfx.eastlink.ca
- Basic ham course - Scott Wood, VE1QD 823-2761 ve1qd@rac.ca
- EMO Trailer Assembly coord - David Musgrave, VE1EDA 435-4333 ve1eda@rac.ca
- 2007 Flea market Chair - Barry Diggins, VE1TRI bdiggins@chebucto.ns.ca
- Field Day coordinator - Dick Grantham, VE1AI 434-8046 ve1ai@rac.ca
- Safety Officer - Terry Bigelow, VE1TRB ve1trb@rac.ca
- RAC Atlantic Dir. (acting) - Len, VE9MY (506) 847-5656 lmorgan@nbnet.nb.ca
- NSARA Director - Scott Wood, VE1QD 823-2761 ve1qd@rac.ca

Attention new Amateurs

Any new amateurs obtaining their call-signs please let Howard, VE1DHD, know by phone at 823-2024 or e-mail dh dickson@hfx.eastlink.ca

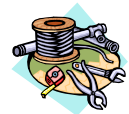
Puzzler - Do you know

What is an Interferometer?
Answer on page 9



Law of the Workshop:

Any tool, when dropped, will roll to the least accessible corner.



Take-15 Net Controllers

NOTE: There have been some changes.

This will be the rotation.

If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill Elliott, VE1MR, know.



June 17	Charles	VE1MCR	August 12	Wayne	VE1WPH
June 24	Chris	VA1CDB	August 19	Win	VE1WIN
July 1	Herb	VE1HX	August 26	Emil	VE1ESP
July 8	Doug	VE1LDL	Sept 2	Herb	VE1HX
July 15	Pierre	VE1PTR	Sept 9	Charles	VE1MCR
July 22	Peter	VE1PJW	Sept 16	Chris	VA1CDB
July 29	Bruce	VE1MLW	Sept 23	Doug	VE1LDL
August 5	Herb	VE1HX			

GENERAL INFORMATION



Sunday evenings:
EMO Net: at 7:30 PM on 147.270 +
TAKE-15 NET at 8:30 PM on
147.270 + (VE1PSR/VHF)

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 -

PACKET:
VE1NSD 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

Deadline for submissions to the September Reflector is Saturday, Sept.8/07

Events for Your Calendar

All year – **Work 40 YLs Challenge**

June 23, 24 – **The ARRL Field Day**
Due to the immanence of Field Day, it will be held this year at the HRM EOC in the 2 F class. Dick, VE1AI has agreed to be co-ordinator for this event, contact him to volunteer your help with the organizing.

July 1 – **RAC Canada Day Contest** – It will be held at the EOC. We have VE1RAC call sign reserved and it counts as bonus points for all who work us. If you are interested contact Dick, VE1AI at 434-8046 or ve1ai@rac.ca

July & August – Pizza Nights

July 28 & 29 – the **IOTA** contest

July 28 & 29 - The **MS Bike Tour** participants need amateur radio operators with our gear and skills for safety and “logistical” purposes. The HARC has been asked to continue our tradition of providing communications for the 2007 NS RONA MS (Multiple Sclerosis) Bike Tour. Emil, VE1ESP & David, VE1EDA will co-liaise for this event. If you wish to help out, please contact them.

For more information visit www.mssociety.ca/atlantic

August 19, 2007 (Sunday) - The sixth **International Lighthouse Day** promoting our maritime heritage; raising the profile of lighthouses, lightvessels and other navigational aids.

See www.illw.net/2007_list.htm
And the Association of Lighthouse Keepers website www.alk.org.uk

August 4 - **DX forum** at the St. Margaret’s Bay Recreation Complex. (Same location as last year)

August – NSARA Picnic

August – Lunenburg Steak & Salmon Supper

A Basic Radio Licensing Course starts Thursday, September 13. Anyone interested should get in touch with Scott, VE1QD

*Be yourself.
Everyone else is already taken.*

Good News:

Tom, VE1GTC, is home from hospital (away from risk of exposure to hospital super-germs) and is recovering from his recent operation.

RAC Bulletins - July 1, 2007 -

For the first time in the history of Radio Amateurs of Canada, plans are underway for the RAC ARES/NTS to be on the air simultaneously in every Section of the RAC Field Organization using their respective official RAC call sign. This "first" will take place during the annual RAC Canada Day Contest July 1, '07. RAC Field Services members are invited to participate. For further information see the May/June issue of The Canadian Amateur magazine or contact your Section Manager.

For more information about the RACHQ mailing list robot visit: <http://rac.eton.ca/racbullemail.htm>
Send comments to: rachq@rac.ca

Summerside Flea Market

Date: July 21, 2007 Starting 9AM
Location: Wilmot Community Center, Summerside, PEI.
Cost: Entry - \$2.00
Breakfast - \$3.00
Tables - FREE.
The Summerside Clubwebsite is: <http://www.summersidearc.com/>

Visit the DXCC Web page <<http://www.arrl.org/awards/dxcc/>>.
"DXCC Frequently Asked Questions" can answer most questions about the **DXCC program**.

Visit the NSARA website: <http://users.eastlink.ca/~bdeathe/NSARA/>

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)

HARC 75th Anniversary Planning Committee needs your help



Spud (VE1BC) is putting together a Club history and would like each member of HARC to provide him with the following:

- 1) a copy of your QSL card (current and any past cards)
- 2) a photograph of you (ideally a head and neck shot)
- 3) any other photographs that you might have of Club members and/or Club activities in the past



If you want your pictures and/or QSL cards returned to you, please let Spud know and then provide him with an address so he can mail them back after he has scanned them into digital files.

Thanks in advance for your help with this project.

Howard, VE1DHD

The International Telecommunication Union (ITU) World Radiocommunication Conference (WRC-07) will be held in Geneva this fall.

Nametags bearing the club logo are available for \$5.00. If interested, please contact Dave, VE1NN



Understanding Engineers - Take Four

Four engineering students were gathered together discussing the possible designers of the human body.

One said, "It was a mechanical engineer, just look at all the joints."

Another said, "No, it had to have been an electrical engineer. The nervous system has many thousands of electrical connections."

The third said, "It was obviously a chemical engineer, just think about all the reactions taking place each second in the body."

The last one said, "No, it had to have been a civil engineer. Who else would run a toxic waste pipeline through a recreational area?"

PRESIDENT'S MESSAGE

Well time is flying by, it is nearly Summer and I still do not have the Spring jobs done. May was very busy and not much Amateur Radio was done. June is a very busy month and by the time you read this the Museum Ships Weekend will be finished. We may even have a short report on it in this newsletter.

July and August will also be busy with such events as pizza nights in place of meetings, IOTA contest, the MS Bike Tour, International Lighthouse Day, DX Forum, Lunenburg Steak & Salmon Supper, the NSARA Picnic and the Basic course starting early September. See page 2 and the web site for further details. Also over the summer there will be work parties to move the club to our new location, keep an ear open and come out to help with the move. Information is likely to be on the Take-15 net Sunday evenings.

The ARRL Field Day is coming up and Dick, VE1AI is organizing this event for the club. We will be operating from the HRM EMO EOC in the 2F class. We will need some help with transportation of equipment and a limited setup. Some existing antennas will be used but there will be a couple that will need assembling and installation. Please let Dick know if you can help. There is a write up on page 4 that also tells who to contact for the various operating positions. We have done very well in the 2 F class each time we have entered and we hope to continue this trend.

On a completely different note, the club is looking for someone with simple construction experience to co-ordinate the enlargement and renovation of the VE1PSR repeater building at Cowie Hill. This project has been on the list for several years now but the main players are too busy with other club business to get it organized. There are many people willing to help with construction and the thought was to have a construction weekend and party to do the job. We need someone to organize the project, liaise with Barry, VE1JRG (EMO) and make a material list. Some preliminary work along these lines has been done. Please contact me for further details.

73 - Bill, VE1MR

Canada Day Contest:

There is a lot of interest in having the DARC and HARC participate in the Canada Day Contest July 1.

The EOC, same site as Filed Day is available.

I have a list of names of those interested in participating and will attempt to contact you. If you are interested be sure to contact me at 434-8046 or ve1ai@rac.ca

We have VE1RAC call sign reserved and it counts as bonus points for all who work us.

This will be more of a social and training / fun event rather than a "knockem down dragem" out contest. It promises to be a great time. Plans are for 1 station but if time and numbers permit we will activate two or more.

We want to put VE1RAC on the air and have fun for all.

Keep in touch.....**CW and SSB BOTH will be used.**

July 1st (GMT) 24 hours....and we can do the 24 if you want.

Dick, VE1AI

**First Announcement**

Fourth Annual
MARITIME DX FORUM
Saturday, 4 August 2006

An invitation. The Halifax Amateur Radio Club (HARC) is pleased to invite all Dxers, contesters and HF enthusiasts to the ***Fourth Annual Maritime DX Forum***. It will be held Saturday, Aug.4 2007 at the head of St. Margaret's Bay in Upper Tantallon, Nova Scotia - just outside Halifax.

Venue. The meeting will be held again this year in the Multipurpose Room at the St.Margaret's Community Centre, located immediately off exit 5 on Highway 103. The Centre is above the Hubley Centre shopping area at 12 Westwood Boulevard.

The purposes of the Maritime DX Forum are to: 1) share our fascination for all aspects of Dxing, contesting and HF operating; 2) encourage greater HF activity among the region's hams; and 3) enjoy ham radio friendships. Spouses are welcome. If they are not interested in the talks, they will find many things to do in this prime tourist area. The evening DX Banquet is a social event for everyone.

Program. The program will run from 9:00 am until 4:45 pm. There will be two presentations in the morning and two in the afternoon. Although not all program details are confirmed, we can announce two excellent presentations. The first features a member of the BS7H crew (the exact person to be determined), who will give us the full story of the very recent Dxpedition to Scarborough Reef and show many fantastic pictures. The second one is Fred Archibald, VE1FA, who will share his experience in mounting Island Dxpeditions in this region. Fred provides an example of real Dxpeditioning that is accessible to many hams. There will be ample time for conversations during coffee breaks, a long lunch hour and pre-dinner happy hour. The DX Banquet will begin at 6:30 pm for 7:00 dinner. Other presentations will be announced, just as soon as they are confirmed.

Registration and Cost. The cost of the Maritime DX Forum and the DX Dinner as well as the details about registering will be announced shortly. This first announcement is intended to give you as much time as possible to get this great event on your summer calendar.

If you have immediate questions, you may contact Scott Wood, VE1QD, by e-mail at: ve1qd@rac.ca

Field Day 2007

READ THIS IF YOU ARE AT ALL INTERESTED IN FIELD DAY – THERE ARE BIG CHANGES!

LOCATION: EOC (Emergency Operations Center) 21 Mount Hope Ave., Dartmouth

Class of Operation: 2F

Dates: 23 & 24 June (last full weekend) (with a 24 hour on the air limit)

Meals: Meals will be provided (some at a minimal charge)

Accommodations: there are some cots available for those sleeping in. Camping in tents and RV's will be permitted on the lawn and in the parking lot.

Who should attend: Everyone who has any interest at all should attend. We will need operators, both seasoned and new (new ops for the Get On The Air station). We need helpers to get set up and take down.

Activities: “On the air activity (“contest”) contacts will start Saturday afternoon And continue for 24 hours

Social event – there will be lots of room and time for socializing with all your friends, old and new.

Seminar – there will be a seminar on contesting Saturday at 1 pm for all who are interested in leaning more about contesting

Camping – bring your tent/camper and set up for the weekend

Construction – there are several antennas to be set up to augment those already there – join in, help and learn.....

Contacts: Chairman - Dick Grantham, VE1AI 434-8046

Second in Command – Brian, VE1AZV

SSB Captain – Frazer, VE1WO

VE1WO@rac.ca

GOTA (Get on the AIR) Captain – Scott, VE1QD

VE1QD@rac.ca

CW Captain – Gary, VE1RGB

VE1RGB@rac.ca

Captain COOK – Murray, VE1MMD

Satellite/VHF etc – Bill, VE1MR

Bonus Points Co-ordinator – Barry, VE1TRI

IF YOU CAN OPERATE or help in any way or just want to come along please do so

Operators should contact the appropriate team captain to arrange a scheduled time for operating. E-mail is the preferred contact method.

This month's meeting will be detailed discussions regarding This Field Day.

From the ARRL Letter, Vol. 20, # 27
DXers who participate in the IOTA (Islands On The Air) program, sponsored by the Radio Society of Great Britain (RSGB), know that **July is IOTA Month**. This is quite possibly the best month to work a new one, because many people in the Northern Hemisphere go on IOTA DXpeditions at this time of year, especially during the RSGB IOTA contest the last full weekend of the month. If you are just starting out in this DX award program you can easily work your first 100 IOTA counters and more. This year's contest will be held on the weekend of July 28-29. For more information on IOTA, visit the RSGB's Islands on the Air Web site <http://www.rsgbiota.org/>

For IOTA 2007 the team of:

Helen, VA1YL, Fred, VE1FA,

Gary; VE1RGB; Howard, VE1DHD;

Rich, VA1CHP; Bill, VE1MR;

Lynn, VE1ENT; Al, VO1NO;

Shelly, VE1NOS; & Al, VE1AWP

are headed for Outer Island (Where's that? About 2 miles off shore near Clarke's Harbour. I refer you to the book, "We Keep a Light" by Evelyn Richardson)

We've arranged to spend a week on the island which is now owned by Acadia University. We will be using the special call, VC1W for the contest period, July 28 & 29, 2007. The rest of the time we'll be using call-sign VE1FO/P.

Life is sexually transmitted.

The 2008 Callbook Needs Your Help

The 2008 Callbook is going to be a special, “collector's edition” and will most certainly cost us more to print than in previous years. In order to keep the selling cost down, it is going to be necessary for the Club to solicit much more commercial advertising than in previous years. This is where you can help.

If you have any personal connection with a business that you think you can convince to place an advertisement in the 2008 Maritime Provinces Amateur Radio Callbook, PLEASE let Howard (VE1DHD) know as soon as possible. We are not necessarily looking for companies that provide services directly related to Amateur Radio; any company that provides “generic” services – like taxi cabs; motels; eating establishments, etc. would be welcomed additions to our advertising pool.

I can not stress how important it is going to be to secure additional advertisers for 2008.

Thanks in advance for your help with this.

Howard – VE1DHD, Editor, 2008 Maritime Callbook.

E-mail ve1dhd@rac.ca.

Safety Corner June 2007

By Terry, VE1TRB

Boiling Water

---A 26-year old man decided to have a cup of coffee. He took a cup of water and put it in the microwave to heat it up (something we all do). He set the timer for a period long enough to bring the water to a boil. When the timer shut the oven off, he removed the cup. As he looked into the cup, he noted that the water was not boiling, but suddenly the water in the cup "blew up" into his face. All the water had flown into his face. His whole face is blistered and he has 1st and 2nd degree burns to his face, which may leave scarring. He also may have lost partial sight in his left eye. While at the hospital, the doctor who was attending to him stated that this is a fairly common occurrence and water (alone) should never be heated in a microwave oven. If water is heated in this manner, something should be placed in the cup to diffuse the energy such as a wooden stir stick, tea bag, etc., (nothing metal) It is however a much safer choice to boil the water in a kettle.

So what happened?

Here is what a science teacher had to say on the matter:

This is caused by a phenomenon known as super heating. It can occur anytime water is heated and will particularly occur if the vessel that the water is heated in is new, or when heating a small amount of water (less than half a cup). The water heats faster than the vapor bubbles can form. If the cup is very new then it is unlikely to have small surface scratches inside it that provide a place for the bubbles to form. (The bubbles are actually releasing energy) As the bubbles cannot form and release some of the heat that has built up, the liquid does not boil, the liquid heats up well past its boiling point. What then usually happens is that the liquid is bumped or jarred, which is just enough of a shock to cause the bubbles to rapidly form and expel the hot liquid. The rapid formation of bubbles is also why a carbonated beverage spews when opened after having been shaken."

To prevent this from happening and causing injury, do not heat any liquid for more than two minutes per cup. After heating, let the cup stand in the microwave for thirty seconds before moving it or adding anything into it.

Here is something else that we should all take heed in. This is to do with **deep fat fryers**. If you are ever faced with a fryer fire, never ever try to put the fire out with water. What happens is the water being heavier than the oil sinks to the bottom of the fryer, where it instantly becomes superheated. The explosive force of the steam blows the burning oil up and out in a fireball that resembles a nuclear blast. Inside the confines of a kitchen, the fireball hits the ceiling and fills the entire room in seconds. Also, do not throw sugar or flour on a grease fire. One cup creates the explosive force of two sticks of dynamite!

If you feel safe to do so, only use a CO₂ or Dry Chemical fire extinguisher. Start to use it at a good distance away (about 10 feet at first then move closer, if you feel safe to) from the fire and never direct the flow from the extinguisher directly into the burning oil, it will splash. Let the flow go over the base of the fire so the extinguishing agent can smother the fire.

Another way to fight a very minor oil fire is to throw a dampened towel over top of the fryer so as to cut off any air getting to it. Above all, do not move anything, call 911 and let the experts handle it from there.

If you do not feel safe in any of the above procedures, call 911 and get out!

REMEMBER SAFETY IS EVERYONE'S BUSINESS

If you have any comments or questions that you would like to see addressed in this column, please feel free to send me an email. ve1trb@rac.ca



The EMO repeater trailer deployed for Field Day 2003 at the EOC

From the ARRL Letter, Vol. 26, No. 20
May 18, 2007

The BS7H Scarborough Reef DXpedition team reports it logged 45,830 QSOs during its weeklong stay on the South Pacific rocks. All BS7H logs now are available online <<http://www.scarboroughreef.com/srlog.html>>. The DXpedition to the world's most-wanted DXCC entity, which got under way April 29 and concluded May 5, has been approved for DXCC credit. The Daily DX <<http://www.dailydx.com>> says if you don't find your call sign in the online log search but are confident you had a solid QSO, send a QSL card to Steve Wheatley, KU9C, PO Box 31, Morristown, NJ 07963-0031 (or via the QSL Bureau). Attach a brief explanatory note. KU9C will search the logs to see if an error occurred, Daily DX Editor Bernie McClenny, W3UR, says. Do not e-mail KU9C.

The Amateur Radio League of Manitoba was incorporated in 1952

Source – From Spark to Space

Good judgement comes from experience, and a lot of that comes from bad judgement. Will Rogers

**Halifax Amateur Radio Club
Minutes of the Monthly General
Meeting
Wednesday, May 16, 2007**

President Bill (VE1MR) called the meeting to order at 1930 with 26 members and guests in attendance.

Silent Keys: There were no silent keys to report.

Guests / Visitors. Ron Bowser, brother of Lynn, was in attendance.

Executive in attendance:

Bill Elliott (VE1MR) President; Dick Grantham, (VE1AI) 1st Vice-President; Murray Mac Donald (VE1MMD) Secretary; Fraser Mac Dougall (VE1WO) Treasurer; Doug Leblanc (VE1LDL) Director-at-Large and Bob Swinwood (VE1PQ) Past President.

Regrets: Regrets were received from Tom Caithness (VE1GTC) 2nd. Vice-President and Brian Allan (VE1AZV), Station Manager.

Minutes of the April 18, 2007 monthly general meeting: It was moved by Win (VE1WIN) and seconded by Rich (VA1CHP) that the minutes of the April 18, 2007 meeting, as printed in the May 2007 edition of the Reflector, be adopted. Motion was carried.

Executive Reports:

Treasurer's report: Fraser (VE1WO) reported that income for the month was \$ 360.00 and expenses were \$280.13. The bank balance at the end of March was \$12,673.98.

It was moved by John (VE1HMH) and seconded by Lynn (VE1ENT) that the Treasurer's Report be accepted. Motion was carried.

Secretary's report: Murray (VE1MMD) reported on the status of our proposed move to the St. Andrews site. The site has been visited on a number of occasions and following intensive checking, has been found to be acceptable to our needs. The site will provide the club with approximately 50% more space and is a self-contained unit consisting of a large meeting / training room and

three smaller rooms to be used tentatively as (1) the club station, (2) as a library / work area, and (3) as an office / QSL bureau. Access to the roof, a kitchenette and washrooms are situated directly across the hall from the club premises. We take "official" possession of the premises on September 1st, but will have immediate access to run cables and power, to set up the QSL Bureau, to install the antenna system and to make any renovations we require. We will have 24/7 access to the premises. Plans are underway to have an "official" opening of the premises once the move is completed and the station is operational. Murray reported that a large vote of thanks goes out to Barry Manuel (VE1JRG) as his organization has agreed to undertake to pay the ongoing rental for the premises.

President's report: Bill (VE1MR) reported that Tom (VE1GTC) has agreed to act as coordinator for the Britt Fader QSL Bureau. He thanked those members have come forward indicating their willingness to assist the coordinator.

Bill advised that a coordinator for Field Day is required. He asked that if anyone is willing to undertake the position to please let him know.

He also reported that the 75th Anniversary Committee is in need of a Chair and other volunteers. If any one is available to take on these duties, please let him know.

1st. Vice President's report: Dick (VE1AI) reported that the EOC would be hosting the Canada Day event this year. A number of club members have signed up and he will advise them of their operating times. He advised that they are experiencing a problem with the rotor but hope to have the problem rectified shortly. He has obtained the call sign "VE1RAC" for the event.

2nd. Vice President's report: Sent his regrets and advised that he had nothing to report. Bill (VE1MR) reported that the door prize for the evening was a thirteen (13) piece titanium drill bit set.

Station Manager's report: Brian (VE1AZV) sent his regrets and through the secretary, reminded members of the upcoming Museum Ships Weekend (June 9/10). This year we will be operating from both the Acadia and the Sackville. If anyone is interested in operating from either ship, please advise Brian (VE1AZV) or Murray (VE1MMD).

Member at Large: Doug (VE1LDL) advised that he had nothing to report.

Past President: Bob (VE1PQ) made the suggestion that the club find someone to give an overview of recently deceased club members Amateur activity.

Committee reports:

Membership: Howard (VE1DHD) sent his regrets and advised that he had nothing to report.

Search and Rescue: Dave (VE1AJP) reported that the recent Eco - Endurance Challenge held on April 28th and 29th was a major success. There were 100 teams and 248 people from various parts of the world in attendance.

He advised that recently they had an opportunity to use the new Motorola system and that they are very excited with the results.

EMO: Dave (VE1AJP) reported that he had nothing to report at this time.

75th Anniversary: Bob (VE1PQ) reported that due to unforeseen circumstances he regretfully had to withdraw as Chair of the 75th Anniversary Committee. He advised that plans for the 75th Anniversary are proceeding well. Bob acknowledged the members of the committee and thanked them for their contributions. He reiterated the need for all members to participate in order to make the Anniversary celebrations a success.

Field Day: Nothing to report at this time.

Flea Market: Barry (VE1TRI) reported that the recent Down East Flea Market was a "super success".

(Continued on page 7)

Minutes (Continued from page 6)

There were of 347 sellers and buyers in attendance. He thanked the two commercial vendors: ALQ Electronics and Durham Radio for attending, and all who supplied "draw" prizes. Two presentations: Scanners & Emergency Communications by Dave George (VE1AJP) and Matt Boyle (VE1BSG), and Geo-caching by Carolyn Sparling (VE1FRG) and Jim Cyr (VE1CYR) were well received. Barry thanked all who assisted in making the event such a success.

Peter (VE1PJS) won the major door prize, an Icom dual band handheld.

Old Business: There was no old business requiring attention.

New Business: There was no new business.

Reports / Announcements: Dave (VE1EDA) reminded those present of the need for volunteers for the MS Bike Tour. If interested, members are requested to contact either Emile (VE1ESP) or Dave (VE1EDA).

DX Forum: Scott (VE1QD) reported that this year's edition of the DX Forum has been scheduled for August 4, 2007 at the St. Margaret's Bay Recreation Complex. (The same location as last year) He announced that program for this year is shaping up to be one of the best and encouraged those interested to book the day. He had just received confirmation that a member of the 2007 DXpedition to BS7H (Scarborough Reef) would be in attendance. Plans are well under way for the 2008 edition of the DX Forum and he invited members to contact him with any "thoughts" that they may have for the event.

Basic Course: Scott (VE1QD) reported that the next basic course is scheduled to commence in September and will cover a fourteen (14) week period. Anyone interested in attending is requested to contact Scott.

Call Books: Scott (VE1QD) advised that he is looking after obtaining advertisers for the 2008 edition of the call book. The 2008 edition will be considerably larger than in past years

and will contain club history, anecdotes and photos making it a certain collector's item. He is looking for help from the members to identify potential advertisers and requested members to let him know of possible advertisers. It is anticipated that the total run will be in the range of 1000-1500 books.

GOTA station – Field Day: Scott (VE1QD) announced that he would again be responsible for the overall operation of the GOTA station during Field Day. He is looking for operators and invited input and assistance from club members in identifying potential operators.

50/50: John (VE1HMH) won the 50/50 draw in the amount of \$13.00.

Door Prize: Barry (VE1TRI) won the drill bit set.

It was moved by Lynn (VE1ENT) that the meeting be adjourned.

Meeting adjourned at 2034.

Respectfully submitted,
Murray Mac Donald, VE1MMD
Secretary, H.A.R.C.

Transvestite: A guy who likes to eat, drink and be Mary.

Brought to our attention by Barry, VE1JRG, is an article on website <http://www.chilliwacktimes.com/issues07/052207/news/052207nn1.html>

The following is from the article

Seriously hamming it up

By Paul J. Henderson

In a high-tech, web-wired world of computers, cell phones, PDAs, etc. people are more connected than ever. But if flooding hits Chilliwack it is more likely that none of that stuff will work, communication will become a challenge, and emergency coordination will fall to people such as Jack Jackaman.

Jackaman is an amateur radio operator who has radio system set-ups on his own property. He is also a member of the Chilliwack Amateur Radio Club (CARC) that is prepar-

ing to help the City of Chilliwack and the Fraser Valley Regional District in the event of serious flooding in the Fraser Valley.

The club has antenna systems set up at the 3 major evacuation centres in addition to suitcase radio systems in the event those centres are under water as well. Should "flooding disrupt communications & power distribution systems, amateur radio nets may be the primary means of communication," Jackaman said.

Assistant fire chief James MacDonald, the city's emergency coordinator says the city will be relying on Jackaman, members of the CARC and other amateur radio operators as a source of communication. The CARC has a main radio room operating from their club facilities located at the Chilliwack Emergency Operations Centre. The club also has a radio system set up at the FVRD emergency operations centre. They are working to ensure their repeaters are in top operating condition and are setting up a newly purchased commercial repeater.

But it's not just amateur radio operators who are stepping forward. The high-tech folks are also working with emergency coordinators, and are doing their best to protect their systems in the event of a flood. While sandbagging in the community may seem a little premature for most buildings, Telus has already begun protecting their central office on Yale Road in downtown Chilliwack.

As far as cellular communication goes, in the event of a flood and power goes down, the cell towers won't work anyway. Even if power doesn't go down in a flood, the ability to use a cell phone will likely be diminished as any natural disaster instigates what is called a "mass calling event," where the system can be overwhelmed. In the event of serious flooding Telus will bring in one and maybe both of their SATCOLTs (satellite cellsite on light truck) which would be placed to help emer-

(Continued on page 9)

From the Mail Bag



Hi Terry,

Huge thanks to you and your crew for an outstanding job on WALK day. We made it through the hiccups seamlessly thanks to your help on the communication side of things. And lucky for me, you were very easy to find each time I needed you.) And as always, thanks for going above and beyond by helping with the tables, chairs, banners, traffic control, rest stops – your guys took everything I threw at them and that means so much on WALK day.

Again, thanks for everything!

Jessesar MacNeil
Senior Coordinator, Special Events
Multiple Sclerosis Society of Canada, Atlantic Division
jessesar.macneil@mssociety.ca
www.mssociety.ca/atlantic

I am looking for a way (preferably e-mail) to contact Wendell Mayhew VE1OH, who lives in Lr. Sackville. Any ideas? I seem to recall that he worked at one time at Newport Corners (RCN Xmitter site) and a friend of mine is doing some research on the gear there.

See <http://jproc.ca/rrp/te147.html>
Tom Fullerton

I was just browsing on the RAC web sight and to my surprise there is a write up on the VE1KEJ repeater in the Canadian Amateur magazine. We made the front cover. Many thanks to Lynn VE1ENT for writing up this story.

Shane, VE1SMC,
President QCARC

This achievement deserved to be publicized! I'm pleased to see one of the photos dominates the TCA cover! The article & pictures are basically that which appeared in the September 2006 Reflector with additional technical details. -ed.

Good afternoon all

I was speaking with my contact for the Sackville this afternoon. He advises that she is still at the Dockyard but that we can have access both to operate from there, and to check her out as to requirements for antennas etc. I have spoken with Brian, he is in Cape Breton, and will be going to PEI. He asked me to notify you, and to ask that any of you planning on operating from the Sackville to pass on your name to me, or if you know of anyone you know of who wishes to operate from her, to pass on their name also. We require a list for the Dockyard personnel as soon as possible and those attending will require identification - photo I guess would be best. Also if you wish to check her out in advance, I would guess that maybe one or two should suffice, to let me know on Brian's behalf and when you would be available.

Murray, VE1MMD

See New Stuff at Dayton 2007

<http://www.arrl.org/news/stories/2007/05/23/100/?nc=twiاردotorg>
Ken, VE2RU

*Spud has been recording Halifax amateur radio history and is looking for information and pictures. Spud will welcome **any club history anyone might have or want recorded, also photographs of club member stations.** -ed.*

I would like to be able to include a photograph of a club member station for each decade the club has been in existence; from 1933 on up. Please do not forget that 1DD photo. That is the beginning and one of the clubs best treasures. I would like to stick with QSL cards club members have sent. I have no idea where one would draw the line on QSL cards club members have received.

73, Spud spudroscoe@eastlink.ca

If you don't have them already here is the New Brunswick Highway cam site as well as the P.E.I. and Nova Scotia sites.

New Brunswick Highway Cams now on line: <http://www.gnb.ca/0113/cameras/allcams-e.asp>

PEI Highway Cams: <http://www.gov.pe.ca/tpwpei/index.php3?number=1016836&lang=E>

Nova Scotia Highway Cams: <http://gov.ns.ca/tran/cameras/camera.asp>

- Ken, VY2RU

On June 10,2006, the boys hung high up on the Kedge Tower and placed the things necessary to send a signal far and wide across the Western End of the Province of Nova Scotia.

On June 10 the ground working boys put the gear together and powered it up to send that signal out at 1700 hours on this date.

On the way down the hill we lost hearing audio through the repeater due to a little plug not sitting vertical off the board. (Audio Delay).

On June 14 VE1FV and VE1AOI made the trip to site and returned audio before lunch hour back on the repeater. There must be lots of flies up there this year as we all fed the flies, or there is not any as we may have killed them all.

A big thank you to all who helped to get the VE1KEJ repeater and Link up and working , it would not be there today if it was not for you all. Except for a little more work re the winter time low charging solar power thing the repeater is doing great, Bill VE1MR is thinking next fall he will put a rope on the sun and keep it up north during the winter time, he just needs the help of some of you good climbers. This time of the year we now get charging at 0830 hours even when the sky is clouded over.

Howard VE1FV

It used to be only death and taxes were inevitable. Now, of course, there's shipping and handling, too.

Here are some very interesting sites I fell upon, enjoy

Learn Morse Code: Here is another location on the Web where you can gain information about Morse Code and get assistance with your learning.
<http://justlearnmorsecode.com/>


Need Manuals or Tech Info for Your Radio? The following website has a lot of information for a very large number of amateur radios by many manufacturers.
<http://www.ham.dmz.ro/>

High Frequency Electronics
 Here is a great publication for those of you interested in the upper frequency world. <http://www.highfrequencyelectronics.com/>

For Those Interested in TUBES
<http://www.funwithtubes.net/>

Several operators in our local area are in discussion in the efforts to promote the use of the 70cm Band (430MHz -450Mhz). This amateur radio band is adjacent to a very popular land mobile commercial radio band, and commercial interests could pressure the Government to take it away from us if we don't use it. Therefore, "use it or loose it" is good advice. Why don't we use UHF more often ?

73 all, Emil Pineau VE1ESP

 **Answer to Puzzler on page 1**
 An interferometer consists of two or more separate telescopes that combine their signals almost as if they were coming from separate portions of a telescope as big as the two telescopes are apart.
 The resolution of an interferometer approaches that of a telescope of diameter equal to the largest separation between its individual elements (telescopes). However, not as many photons are collected by the interferometer as would be by a giant single telescope of that size.

See ARISS at <http://www.rac.ca/ariss>

Hello all,

This is addressed to all those individuals who have been in the Basic Radio Course in recent years, including those who have not yet successfully completed their exam. To the BRC instructors on this list, I am asking you to help me locate operators for the **GOTA** operation - including any inactive "old timers" - **AND** to identify youth under 18 years old that can give us another set of bonus points by making even a single contact.

Here is an opportunity to Get-on-the-Air during the annual Field Day (FD) exercise to test our preparedness for conducting emergency communications. The HARC FD Team will begin setting up late Friday evening, 22 June, at the Emergency Measures Organization Building on Mt. Hope Avenue in Dartmouth. The contest will commence at 1800 UTC (1500 local time) on Saturday, 23 June and end at 2100 UTC (1800 local time) on Sunday, 24 June.

Seriously hamming it up (Continued from pg. 7)
 gency officials and healthcare facilities communicate.

As well as sandbagging the main office, Telus staff have been out shrink-wrapping curbside telecommunications equipment, testing back-up power generators and positioning mobile generators & equipment.

People should make sure they have at least one wired home telephone, according to Hall. Wireless phones need power to operate. Telus' backup power supports the wired phone network so in a power outage wired telephones will still work.

Long ago when men cursed and beat the ground with sticks, it was called witchcraft. Today, it's called golf.



There will be a special station operated during that period that is especially intended for operation by "... Novice, Technicians or generally inactive hams.." This is an opportunity to hone your operating skills and to give the Club some very valuable points. My reading of the rules tells me that we can earn as much as 2000 points for our efforts. **THIS WILL BE IMPORTANT FOR OUR FINAL RESULTS.** I will hold a brief orientation workshop at about 1700 UTC (1400 local time) to instruct everyone on how the contest works.

Please let me know if you will be able to take an operating shift. You will receive expert coaching so there is nothing to fear!! By the way, the wording of the rules is vague about what level of operating experience disqualifies an operator for the GOTA operation. If you are relatively new to the game or have just not been active recently, you likely qualify.

WE NEED YOUR HELP.

73, Scott

As for the amateur radio operators, Jackaman has asked any amateur radio operators in the area to check in to their repeater frequencies from their home locations. This would assist in giving situation reports from different areas to be provided to the emergency operations authorities.

Volunteers are requested to assist in operating this 24/7 communications net. The club will do a weekly check-in on one or either of their repeaters at 7PM each Monday. All local amateur radio operators are welcome to join.

The repeater frequencies are:-
 VHF 146.960 - Tone 110.9
 VHF 147.100 + Tone 110.9

IARU Executive:
 President Larry Price, W4RA;
 Vice-President Tim Ellam,
 VE6SH/G4HUA;
 Secretary David Sumner, K1ZZ;

From The Red Cross Telecom Center
by Emil Pineau

All stations all stations: An invitation has been issued for all operators interested in viewing our new facilities of the Red Cross Telecom Center.

As a member of the Red Cross Telecom Group, I am simply a key stroke away. You can give me a call on any of the local frequencies or send me an email at ve1esp@rac.ca or crshfx@email.com

I would be more than happy to walk you through our new station. A bit limited in size, but it can be very effective when the need arises.

Over the years we have been called upon to assist on several occasions; at the station as Net Controller and in by sending operators to the affected areas. During our responses we use VE1PSR, 147.270, as our call in frequency and perhaps for scheduling operators who are able to assist. We hope that some operators who visit our station may be able to assist if/when the need arises. Our operator call out can also be done through the City Watch Program.

Our main source of communications during our first response is the TMR system. Most times when we're in the telecom room we also monitor HF frequency 3,770 as well.

After signing our guest book at our Telecom Center the first booth you will see will be our HF set up. In the next booth are two UHF/VHF units. One is mainly used for ham operations and the other for the commercial frequency EMO, Provincial Grid System, Marine and Shubie Radio. All units are ready for action, all we need are operators.

The APRS system along with Packet Radio may not be as effective as Win Link for sending and receiving urgent messages. But in time of need, being prepared and having more choices is better than having few .

The other purpose for our computers in our centre is to monitor the irlp links during our weekly nets. In our upcoming Red Cross Nets our aim is to have text messaging access to the

Net Controller during net operations. This should help immensely in the professionalism of our NCS operations. When connecting links on the Mavcom system during our Red Cross Net, you must count to 3 after you key your mike so that everyone can hear what you are saying. It is even more challenging for the Net Controller who must wait until every thing drops plus an extra few seconds. As every Amateur operator knows it is always good to leave a short pause after the courtesy tone in case an operator has urgent traffic. It is very crucial that if you are doing a net or during an exercise, that when a stations calls, Net Control acknowledges every call. If Net Controller does not acknowledge the call, it is our duty as operators to request "break for traffic" or request a "Recheck" because the unrecognized station may have urgent traffic or may need help.

From personal experience I can tell you that it can truly be a challenge to function as the Net Controller. One way to learn more about becoming a good Net Controller is to listen to the many nets that take place and apply what works. I love how Rick, VE9RWS does his stuff each Monday evening in the Cumberland Net. He gets pile ups of operators and he still finishes up with a smile. Keep up the great work, Rick. It is good also to hear operators checking in the wake up net. This net is put on by Percy VE1PLV and Allen, VE1IM, from 0730 hrs to 0845 on most local frequencies. What is also great is that you can still pass on traffic or make a connection during the net. Keep up the great work, guys.

Returning to our Telecom Center, any time we're at our terminals, we use log sheets. This can be a vital tool should we receive an urgent message or it may be just logging in a new operator .

As for monitoring on the HF Bands, it has been asked why we

are standing by on 3,770. I'm not sure why except that it is an easy number to remember. If you think we should be listening to other frequencies, please let us know.

It has also been suggested that we should start holding nets on simplex. Now there's a challenge. Doing a net on simplex pretty much everyone has to act as a Net Control station. Relaying messages from Station to station during these net operations on simplex everyone has to log the traffic. So then "What frequency should we connect on? 146.520?"

From the ARRL Letter, Vol. 26, No. 17
Bruce Clark, K0YW, operating as KH7X from the station of Alex Benton, KH6YY, made the first successful 2.3 GHz EME (Earth-Moon-Earth) contact from Hawaii April 23.

From the ARRL Letter, Vol. 26, No. 20,
Operations over the May 26-28 weekend by special event station K0S highlighted the 2007 **Strange Antenna Challenge**. K0S employed out-of-the-ordinary antennas to promote Amateur Radio and making do with what might be available during an emergency. Individuals & clubs participate as "satellite stations" by using anything but wire or pipe for a radiating element and adding "/K0S" to their call signs. Details are on the K0S, Strange Antenna Challenge Web site <http://www.n0ew.org/k0s/> Strange antennas used in past events, dating back to 2002, include folding chairs, paint easels, ladders, tape measures, dog kennels, fences, cots and chicken wire with a trampoline as an apparent ground plane

The complete--and official--rules for Field Day are available on the ARRL Web site
<http://www.arrl.org/contests/rules/>

I hate sex in the movies. Tried it once. The seat folded up, the drink spilled and that ice, well, it really chilled the mood.

Visit http://groups.yahoo.com/group/Canadian_Amateur_Radio_Group/