



GUYWIRE

June 2017

A monthly publication of the RARA Inc. except July and August.

If you wish to receive or be removed from the e-mailing please contact the editor/publisher at the RARA e-mail address @ ve5rara@gmail.com

NOTE: all e-mail and web addresses are active hyperlinks

GENERAL MEETING

June 14th @ 7:00 p.m.

Regent Place Library - Regina Market Mall - 331 Albert St.

Planning for Field Day

2017-18 RARA Executive

President - Neil Slater - VA5SCA
Secretary - Terry White - VE5TLW
Treasurer - Allan Tidball - VE5LAT
Past President - Harvey Drinkle - VE5AD
Director - Con Berger - VE5CON
Director - Justin Chapman - VA5RED
Director - Summer Hartzfeld - VE5SDH
Director - Lyle Maystruck - VE5EE
Director - Mark Humphreys VAs5LNX

**The next
GUYWIRE
Sept. 2017**

2017 PUBLIC SERVICE EVENTS

EVENT DATE ORGANIZER

UPCOMING

MS Bike Tour- August 19th - Richard VE5RJR
Mayor's Run - September 24th - Terry VE5TLW

COMPLETED

RPS 1/2 marathon - April 30 - Terry VE5TLW
MS Super Cities Walk - April 30 - Rick VE5RJR

Saskatchewan Hamfest

Where: Yorkton, Saskatchewan; Canada

Venue: Painted Hand Casino, 510 Broadway St W

When: 9:00 AM To 5 PM

Event Website : http://nonprofits.accesscomm.ca/parc/Sask_Hamfest_2017.html

We will be having a series of informal discussion/workshop sessions on topics of interest to Hams. The sessions will run for 30 Min. or so each throughout the day. We encourage anyone with expertise in, or interest in, a specific area to lead a discussion.

SDR radio, Digital radio, Antenna building, Handy gadgets, Mods to equipment, PC power supplies for hams ... You name it!

This is one time a year when we can share our talents, expertise and questions with others with the same passion

LETS USE IT!

A final topic list and schedule will be available at the event.

If interested in leading a discussion please

contact: Dave Negrych VE4NEG

Email: ve4neg@gmail.com

Early bird Deadline May 31

Event Activities

Informal Discussions / Demonstrations

License Examiners will be available

Student Science Project event

Craft Tables will be setup

Unreserved Auction Mid Afternoon

Door Prizes 50/50 Draw

Draws throughout the Event

Salvation army display

Shuttle service Courtesy of Painted Hand Casino

Admission fee: Early Bird \$5.00 / @Door \$10.00

Students & Sponsors Free

Table fee \$15.00 (Setup after 7:30 AM)

Last Months Puzzler

Can you name at least one other King who was a ham? There are/were several.

(Not including people with the surname "King".)

Answer :

In addition to the King of Jordan, did you know that the following were also hams?

King Hassan II of Morocco CN8MH

King Carlos of Spain EA0JC

Bhumipol Adulayde King of Thailand HS1D

This Months Puzzler

In the same vein, how many prominent U.S. ham singers and musicians can you name. There is a long list.

Answer next month

Canada C3 Expedition Update:

Tracking link now live Thursday, June 1, 2017:

A live tracking link, generated by QRP-labs, the supplier of the tracking hardware, has been activated.

It is being hosted in Canada by Jeff Milne, VE3EFF, and can be found online at: <http://www.qrp-labs.com/c3.html>.

The track will be shown on the map by a series of red dots to draw a continuous track line.

The location is based on the smallest maidenhead grid square locator code.

Note: At the time of this update on June 1, 2017, the track is shown in blue and depicts Sunday's relocation of the ship from Prescott, Ontario to Toronto. You need to zoom in to see the path and it will be easier to see it as the ship continues on its voyage.

For more information on Canada C3 and the WSPR project please see the information provided below.

Alan Griffin - RAC MarCom Director

An Epic Journey to Celebrate Canada and Connect Canadians

A Canada 150 Signature project, Canada C3 is a 150-day expedition from Toronto to Victoria via the Northwest Passage. It will inspire a deeper understanding of our land, our peoples and our country.

The Canada C3 organizers have kindly permitted a group of enthusiasts under the leadership of Barrie Crampton, VE3BSB, to install a WSPR (pronounced “whisper”) beacon on the Canada C3 vessel. This provides a unique opportunity to track the vessel on its 150-day sailing voyage around the Canadian coast – the longest coastline in the world.

Stopping at a different location every day, Canada C3 will visit 50 coastal communities, 36 Indigenous communities, 13 National Parks and 20 Migratory Bird sanctuaries. Canadians are encouraged to join the adventure as a virtual expeditioner, tracking the voyage online via website updates and museum hubs.

The WSPR project will be part of science experiments and research to be carried out on the voyage. The location and frequencies for the WSPR, CG3EXP, may be viewed at: <http://wspnnet.org/drupal/wspnnet/map>

Many of the locations to be visited by Canada C3 lie in areas where radio communication is difficult. Phenomena such as “arctic flutter” and disturbances from the aurora have traditionally been a problem in the north. Very few, if any, of these locations will have a WSPR beacon and are thus, until now, outside the worldwide WSPR network. The gathering of information on radio propagation simultaneously by several receiving stations will be of scientific interest – and it will also be fun. The WSPR network of stations meets this need comprising, as it does, a series of receiving sites and stations capable of reporting, in real time, the

reception of, and location, of the beacons.

The community of people tracking the Canada C3 WSPR beacon are expected to come up with new and innovative ideas for its use.

Some ideas already suggested are:

- An “awards” program offering certificates for people copying the beacon at Canada C3’s various stopping points along the way.
- Special maps to complement the maps of WSPR activity being generated continuously on <http://wspnnet.org>. At the conclusion of the voyage it might be possible to produce a map showing the course of the voyage with a summary at each stop of the numbers and locations of listeners who logged the Canada C3 beacon.
- A software defined radio building project relating specifically to the Canada C3 WSPR.
- Publications, articles and reports such as an article on the propagation of WSPR signals during the voyage.

While this project is associated with the Canada C3 Expedition, results might provide “proof of concept” more generally for remote telemetry applications from Arctic regions. With the impending increase in non-commercial adventurers traversing the Northwest Passage, this low-cost technology might fill a need. Researchers following the Canada C3 “whisper” might wish to compare the experience to other ship-borne uses of WSPR as reported on several Internet sites.

For more information visit: <https://canadac3.ca> and <http://wp.rac.ca/a-whisper-for-canada-c3/>

Twitter: https://twitter.com/canada_c3

Facebook: <https://www.facebook.com/CanadaC3/>

Alan Griffin - RAC MarCom Director

World Radio Communication Conference

Bryan Rawlings, VE3QN, RAC Special Advisor, is in Geneva, Switzerland attending Preparatory Meetings for the World Radiocommunication Conference (WRC).

The current meetings are the third of a series of meetings which will continue until just before WRC-19 now scheduled to be held in Geneva from October 28 to November 22, 2019.

Preparatory Meetings are almost always two weeks in duration and are held at the International Telecommunication Union (ITU) headquarters in Geneva. This time Bryan is attending as a member of the Canadian Delegation and also as an Expert Consultant for the International Amateur Radio Union (IARU).

Preparatory Meetings primarily prepare documents on the agenda items identified for the upcoming WRC. They are in turn preceded by meetings and the submission of documents from the participating administrations, for example, Canada through its authorized government agency, the Department of Innovation, Science and Economic Development (ISED; formerly Industry Canada). Canada is represented by ISED. The RAC representative is made a member of the delegation by invitation and Bryan's role is to advise on Amateur issues.

The principal Amateur Radio issue is an international authorization of the 50 to 54 MHz band in ITU Region 1 (Europe, Africa and the Middle

East) – not a critical issue for Canadian Amateurs.

Also under consideration are:

1) an expansion of Radio Local Area Networks (RLANs) into the 5 GHz band. Amateurs have a secondary allocation here in 5650 to 5925 MHz which we already share with the Primary Users and with ISM (Wi-Fi, etc.).

2) proposals to study frequencies for wireless power transfer, e.g., charging cellphones and bigger devices. Depending upon the frequencies planned and the technical characteristics there may be a significant potential for interference to Amateurs.

3) studying the possible frequency range for International Mobile Telephony (IMT) in a range between 24.25 and 81.5 GHz. Radio Amateurs will be carefully watching our Primary allocation in 47 to 47.2 GHz.

As was the case during the WRC-15 conference, Bryan will be tweeting comments on Amateur Radio issues from the meeting using the hashtag #RACatITU. You can also follow him via @ractweets.

Bryan will also be including a report in the next issue of The Canadian Amateur magazine at the conclusion of the meetings.

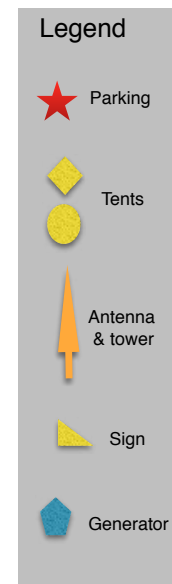
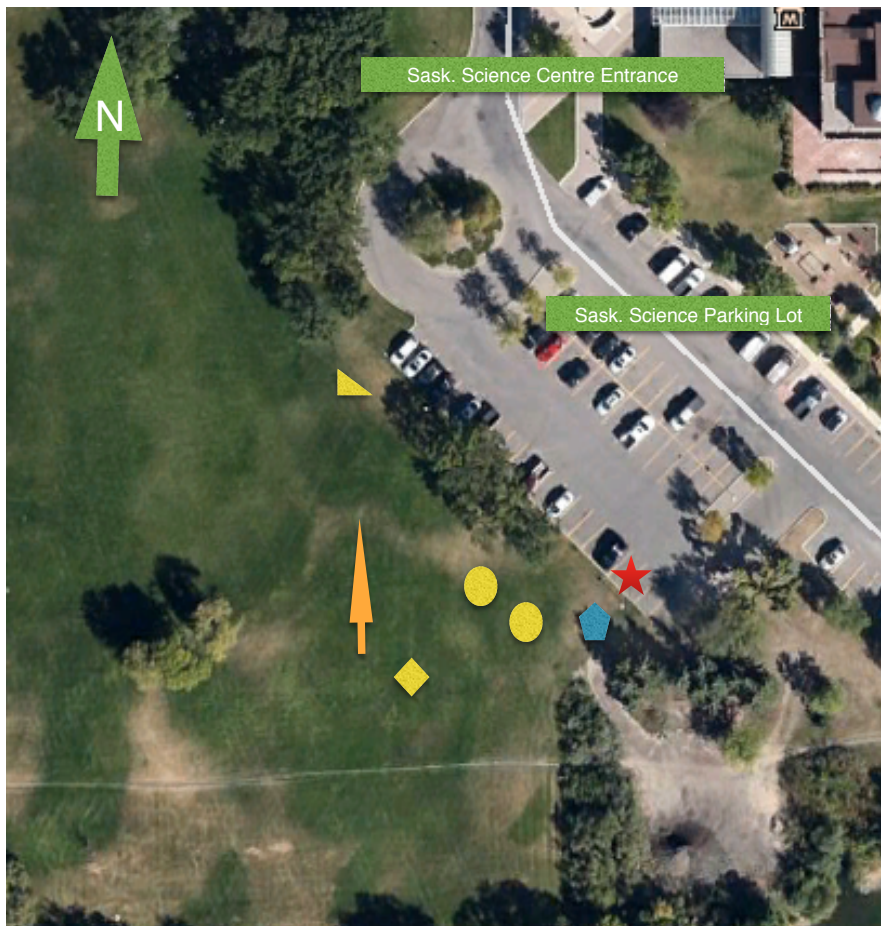
For more information visit the RAC website at: <http://wp.rac.ca/wrc-preparatory-meetings-may2017/>

Alan Griffin - RAC MarCom Director

“ A little history from the pages of Radio Journal magazine 1923”

Pioneering may have its trials but its compensations, to the man with a pioneering soul, are many. It is the spirit which keeps the prospector pecking at mountain sides, when the mountains themselves must look down in pity-yet were it not for his puny pick there would be no gold, nor any other metal for that matter. And so it is in radio. Yesterday the amateurs prospected on the 200 meter wave-length, and found a remarkable transmitting range. Today they are endeavoring to extend that range to the antipodes. Today they are prospecting in new wave-lengths, below the 200 meter mark-what they will discover will soon be a matter of history. But the knowledge developed by these

The photo below shows the location and parking for Field Day 2017. Please consider attending to assist with setup/take down and to man the radios. We would like to have operators for the full 24 hours. Come enjoy the camaraderie with other hams. (June 24/25, 2017)



Field Day

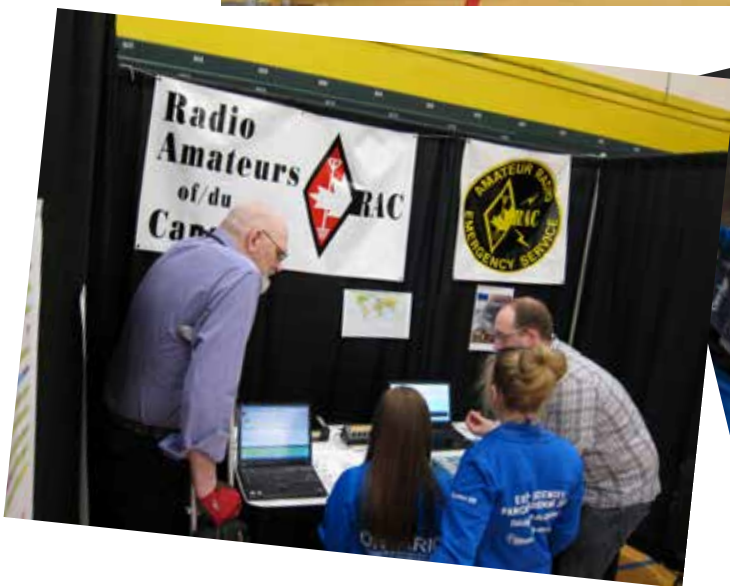
June 24 to June 25 2017



**Photos from a memorable
Field Day**



**Join us to make 2017
just as enjoyable.**





**Terry (VE5TLW) & Malcolm (VE5ZG)
doing initial checks on antenna
and equipment**

**RARA display at the
“24 hours of science”
located just inside the
entrance to the
Science Centre**



**Malcolm (VE5ZG) operating
the Flex radio**



**Summer (VE5SDH) sending code
with Mark (VA5LNX), Malcolm
(VE5ZG) and Neil (VA5SCA)**