



Canada's Amateur Radio Magazine La Revue des Radioamateurs Canadiens

VOLUME 47 NUMBER 5 – TCAMAG@YAHOO.CA – WEB ADDRESS: HTTP://WP.RAC.CA/TCA

SEPTEMBER SEPTEMBRE
& OCTOBER & OCTOBRE
2019

Editor / Rédacteur en chef
Alan Griffin
Email: tcamag@yahoo.ca

Advisors / Conseillers
Dave Green, VE3TLY
Norm Rashleigh, VE3LC
Mike Kelly, VE3FFK
Richard Ferch, VE3KI
Bill Karle, VE1YY
Ken Grant, VE3FIT

Translation / Traduction
Claude Lalonde, VE2LCF
Jean Desbiens, VE2OCQ
Ante Laurijssen, VA2BBW
Alan Bulley, VA2UK

**Technical Diagrams /
Schémas technique**
Stan Smith, VE3DDX

The Canadian Amateur
is published by Radio
Amateurs of Canada Inc. /
The Canadian Amateur est
publié par la société Radio
Amateurs du Canada Inc.

Indexed in the Canadian
Periodical Index /
Enregistré à l'Index des
publications canadiennes :
ISSN 0834-3977

Publications Mail Agreement
Accord de publications
diffusées #40028682.
Registration / matricule
#09866

The Canadian Amateur
720 Belfast Road,
Suite / Bureau 217
Ottawa, ON, Canada
K1G 0Z5
613-244-4367;
1-877-273-8304
tcamag@yahoo.ca
http://wp.rac.ca/

Printed in Canada by
St. Joseph Communications
Ottawa, ON, Canada
Imprimé au Canada sur
les presses de St. Joseph
Communications
Ottawa, Canada

Return Undeliverable
Canadian Addresses to
Circulation Department:
217-720 Belfast Road
Ottawa, ON K1G 0Z5

**For RAC Membership
Inquiries and Change of
Address please contact
RAC HQ at: rachq@rac.ca**



There is something really amazing going on in Canada right now and it will continue throughout 2019. Thanks to the dedicated volunteers of the Canadian Parks On The Air event, Canada's Parks and Historical Sites are being visited by Amateurs from Canada and internationally.

The front cover of this issue of TCA features two American Amateurs: Peter Kobak, K0BAK and Anthony Wiese, KG6LHW.

On January 1, Peter Kobak, K0BAK, completed a 1-day, 1728 kilometre rove through Ontario, visiting 5 sites and logging 297 QSOs to make 6 confirmed activations. This included CNPOTA's first contact between K0BAK and VE3ZN in the first minute of the year.

From May 11-18, Peter completed an 8-day 4,352 kilometre rove through New Brunswick, Prince Edward Island and Nova Scotia visiting 26 sites and logging 892 QSOs to make 33 confirmed activations. Peter has kindly prepared a two-part feature article for TCA about his roving adventures and we are pleased to present Part 1 on page 14.

From August 1-6, Anthony Wiese, KG6LHW, and Peter Slocum, KQ6QB, completed a 6-day, 7,725 kilometre rove through Alberta and British Columbia visiting 14 sites and logging 230 QSOs. As shown on the cover, five QSOs were made by satellite by KG6LHW/VE6 from the foot of the Athabasca Glacier in Jasper National Park (AB03)!

Radio Amateurs of Canada is pleased to support the Canadian National Parks on the Air by promoting the event through the RAC website, in social media and in the pages of TCA. Please help us to promote the event by sharing your stories with us at tcamag@yahoo.ca. Come join the fun and plan to visit one of Canada's beautiful Parks and Historic sites!

NATIONAL & INTERNATIONAL

RAC Management Team	4
RAC President's Message, Glenn MacDonell, VE3XRA	5
Un message du président, Glenn MacDonell, VE3XRA	5
RAC Simulated Emergency Test.....	7
International Representatives of ARISS Meet "Face-to-Face", Glenn MacDonell, VE3XRA	11
2019 RAC Annual General Meeting	13
Assemblée générale annuelle de RAC 2019.....	13
Countdown to WRC-19: A Final Update, Bryan Rawlings, VE3QN	29
Message from the RAC Community Services Officer.....	58
RAC Section Manager Election Notice	59

TECHNICAL

Amateur Radio Satellites, Keith Baker, VA3KSF	21
QUA – A Topical Digest, Allen Wootton, VY1KX.....	24
Low Cost Insulators / Stand-Offs for Ladder-Line, Don Dorward, VA3DDN	26
All Things Digital – Amateur Radio for the 21st Century, Robert C. Mazur, VA3ROM.....	see next TCA

DEPARTMENTS

TCA Advertising Index.....	2
Silent Keys.....	3
RAC QSL Bureau System	3
Defence of Amateur Radio Fund	29
RAC Membership Adhésion de RAC.....	30-31
Coming Events	64

Antennas, Connectors, Cables and More
WWW.DEGENDESIGNS.COM
416-347-8517
SALES@DEGENDESIGNS.COM

OPERATING

Six Metres and Down, Dana Shtun, VE3DS.....	8
International Representatives of ARISS Meet "Face-to-Face", Glenn MacDonell, VE3XRA	11
Moncton Area Amateur Radio Club (MAARC) Fleamarket	13
Canadian National Parks On The Air (CNPOTA) Update, Sheldon Hartling, VE1GPY.....	14
Canadian Maritimes Rove for CNPOTA, Peter Kobak, K0BAK.....	14
The Challenges of Becoming an Amateur in "The North": Congratulations Angela Gerbrandt, VY0YL, Ron Thompson, VE8RT	27
CJ7EWK/3 Roadtrip Through Ontario, Patrick Stoddard, VA7EWK/WD9EWK	32
RAC Canada Winter Contest 2018 Results, Sam Ferris, VE5SF and Bart Ritchie, VE5CPU.....	36
A Tribute to Fern Blodgett Sunde (1918-1991): "First female radio operator ("Sparks") to go to sea...", Debra Dupuis	44
Fresh On The Air – Adventures for the New and Beginning Ham, Phil Boucher, VE3BOC.....	46
Random Thoughts..., Dirk Moraal, VY1NM.....	see next TCA
The Thrill of Amateur Radio from the Perspective of Youth, David Samu, VE7DZO.....	47
Public Service / Amateur Radio Emergency Service (ARES)	49
Operation Nanook-Tatigiit 2019, Charlie Gale, VY1CC.....	49
Eastern Ontario ARES Groups Participate in "Are We Ready?" Exercise, Michael Hickey, VE3IPC	50
The Sports Page – The Canadian Contest Scene, Tom Haavisto, VE3CX.....	51
VE2IDX Operation in CQ World Wide DX Contest 2018, Igor Slakva, VE2IDX/VE3ZF.....	56
Section News – The RAC Field Organization Forum.....	58
RAC Section Manager Election Notice: Maritimes, ONN and GTA	59
RAC Field Organization Reports / National Traffic System Net Reports	62
Coming Events: The Hamfest and Fleamarket Calendar.....	64

PLEASE SUPPORT OUR ADVERTISERS

<i>Coax Publications Inc.</i>	17
<i>Degen Designs</i>	1
<i>Hammond Manufacturing / Peter W. Dahl Co.</i>	19
<i>Hamstudy.com</i>	46
<i>H.C. MacFarlane Electronics Ltd.</i>	18
<i>Maple Leaf Communications</i>	64
<i>Radio Amateurs of Canada</i>	inside back cover
<i>Radioworld</i>	28, outside back cover
<i>Radio Society of Great Britain</i>	43
<i>Survivormate</i>	61
<i>The Personal Home & Auto Group Insurance</i>	inside front cover
<i>Yaesu</i>	33

The Canadian Amateur is published in Canada six times per year to provide Radio Amateurs, those interested in radio communications and electronics, and the general public with information related to the science of telecommunications.

Articles, reviews, letters, features, suggestions, photographs and essays are welcomed. Manuscripts should be legible and include the contributor's name, call sign, phone number(s) and addresses (mail, email and packet, as applicable).

For a complete Author's Guide visit:
<http://wp.rac.ca/tca/>

The contents of this publication are copyright, and may not be reproduced without prior consent except by a bona fide Amateur Radio organization which may reproduce them provided the author and *The Canadian Amateur* are acknowledged.

The Advertising Department of *The Canadian Amateur*, on behalf of the magazine, wholly disclaims any responsibility for the content of any advertisement contained herein and makes no representations on behalf of *The Canadian Amateur* as to the truth of any statement contained in any such advertising.

Radio Amateurs of Canada Inc., and the publisher and editor of *The Canadian Amateur*, hereby disclaim any responsibility for any statement of opinion or other statement that may be contained in any article published by *The Canadian Amateur* and any such statement of opinion or other statement contained in such article is solely the opinion of the author of the article and not that of Radio Amateurs of Canada Inc., or the publisher or editors of the magazine, unless it is specifically stated to be the case therein.

The Canadian Amateur is published by Radio Amateurs of Canada Inc., 720 Belfast Road, Suite 217, Ottawa, ON K1G 0Z5

Indexed in the Canadian Periodical Index:
ISSN 0834-3977.

Publications Mail Agreement No. 40028682.

Registration No. 09866.

The Canadian Amateur, publié six fois par an, est destiné à fournir aux radioAmateurs, à toute personne intéressée à la radio et à l'électronique et au grand public, des informations de toute nature relatives à la science des télécommunications.

Nous acceptons avec plaisir tout article, étude, suggestions, photos et lettres. Les manuscrits soumis doivent être lisibles et porter le nom de l'auteur, son indicatif, son ou ses numéros de téléphone ainsi que ses adresses postales, courriel et paquet s'il y a lieu. Si vous avez envie d'écrire pour TCA : <http://wp.rac.ca/tca/>

Le contenu de la présente publication est protégé par copyright, tous droits réservés et ne peut être reproduit sans autorisation préalable dont est toutefois dispensé tout groupement reconnu de radioAmateurs sous réserve que ladite reproduction paraisse avec les mentions du nom de l'auteur et soit identifiée extraite de *The Canadian Amateur*. Le service publicité de *The Canadian Amateur*, agissant au nom de la revue, décline toute responsabilité quant au contenu des annonces publicitaires publiées et ne se porte en aucune façon garant de la véracité des propositions contenues dans lesdites annonces.

La compagnie Radio Amateurs du Canada Inc. ainsi que l'Éditeur et le Rédacteur en chef de *The Canadian Amateur* déclinent par les présentes toute responsabilité quant aux opinions exprimées ou autres déclarations pouvant apparaître dans tout article publié par *The Canadian Amateur* et déclarent en outre que toute expression d'opinion ou déclaration figurant dans un tel article représentent uniquement l'opinion de l'auteur dudit article et non l'opinion de la société Radio Amateurs du Canada Inc., ou celle de l'Éditeur ou du Rédacteur en Chef de la revue à moins qu'il soit spécifié que ce soit le cas en l'occurrence.

The Canadian Amateur est publié par la société Radio Amateurs du Canada Inc., 720 rue Belfast, Bureau 217, Ottawa, ON K1G 0Z5.

Enregistré à l'Index des publications canadiennes sous le numéro ISSN 0834-3977.

Accord de publications diffusées par courrier : 40028682.

Numéro de matricule 09866.