

November & Novembre-
December / Décembre
2021

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

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

Translation / Traduction
Claude Lalonde, VE2LCF
Jacques Roland, VA3DLZ

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

Advertising Department:
Rate sheet:
<https://www.rac.ca/tca/>
Contact: marcom@rac.ca

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
<https://www.rac.ca/>

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



"As soon as the first raindrops hit the rocks, we knew we were in trouble. Perched atop a mountain, with no trees to cover us, we had been so focused on setting up our radios that we didn't notice the storm.

If we couldn't get a tarp up in time, our DXpedition would be over before it even began..." – see page 31 for the complete adventure.



"Tired of Received RF Noise? Go Portable!" – see the article by Keith Baker, VA3KSF/KB1SF, on page 17.

NATIONAL & INTERNATIONAL

RAC National Executive and Board of Directors..... 4

RAC President's Message / Un message du président, Glenn MacDonell, VE3XRA..... 6

RAC Canada Winter Contest 2021 Rules.....28

Celebrating 100 Years of Transatlantic Amateur Communications, Chris Sullivan, VE3NRT41

The RAC Canadian Portable Operations Challenge.....62

Quebec Parks On The Air / Québec Parcs sur les Onde.....63

RAC ANNUAL GENERAL MEETING

Minutes of the Twenty-Eight Annual General Meeting of the Members Of Radio Amateurs Of Canada.....35

Procès-verbal de la Vingt-huitième Assemblée générale annuelle des membres de Radio Amateurs du Canada35

RAC Condensed Financial Statements for 202039

President's Report to Members of Radio Amateurs of Canada at the Annual General Meeting.....42

Rapport du président aux membres de Radio Amateurs du Canada à l'assemblée générale annuelle42

TECHNICAL

QUA – A Topical Digest, Allen Wootton, VY1KX..... 13

Tired of Received RF Noise? Go Portable!, Keith Baker, VA3KSF/KB1SF 17

Radio Magic, Robert C. Mazur, VA3ROM24

Amateur Radio Satellites, Keith Baker, VA3KSF.....37

DEPARTMENTS

TCA Advertising Index..... 2

Silent Keys..... 3

RAC QSL Bureau System 3

Defence of Amateur Radio Fund (DARF).....5

Donate to Support Amateur Radio..... 5

RAC Membership | Adhésion de RAC..... 21-23

Articles Wanted54

OPERATING

Six Metres and Down, Dana Shtun, VE3DS	9
Tired of Received RF Noise? Go Portable!, Keith Baker, VA3KSF/KB1SF	17
RAC Canada Winter Contest 2021 Rules	28
Adventures in Activating Carmanah Walbran Provincial Park, Matthew Borghese, VA7USD/W7USD.....	31
Celebrating 100 Years of Transatlantic Amateur Communications, Chris Sullivan, VE3NRT	41
Improving your Scores and Attracting Youth..., Tom Haavisto, VE3CX	47
The Sports Page – The Canadian Contest Scene, Tom Haavisto, VE3CX	47
The RAC Contest Calendar.....	52
Public Service / Auxiliary Communications Service	53
Message from the RAC Community Services Officer, Jason Tremblay, VE3JXT.....	53
Articles Wanted: Digital Voice Radio and Networking	54
Section News – The RAC Field Organization Forum	55
RAC Field Organization Reports / National Traffic System Net Reports	58
Club Corner / “Bits and Pieces...”, Phil Boucher, VE3BOC.....	60
The RAC Challenge Update, Dave Goodwin VE9CB	62
“A Walk In The Park...”, Bernard LeBel, VE9BEL	62
Quebec Parks On The Air Event	63

Articles Wanted: Digital Voice Radio and Networking

Digital Voice Radio and associated Over-the-Internet Networking have become very popular modes for distance communications by many Amateurs. We would love to include articles about this progressive topic in TCA. Please see page 54 for more information.

Please Support our Advertisers

Begali Keys.....	33
Coax Publications Inc.....	19, 64
Degen Designs	36
DX Canada.ca	59
DX Engineering	11
Hammond Manufacturing / Peter W. Dahl Co.	64
Hamstudy.com	64
HC MacFarlane Electronics.....	61, inside back cover
Maple Leaf Communications	56
Premier Communications.....	15
Quarter Century Wireless Association	60
Radio Amateurs of Canada	5, 64
Radioworld	12, outside back cover
Radio Society of Great Britain	61
The Personal Home & Auto Group Insurance.....	inside front cover
Yaesu.....	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.