
Front Matter

Volume 42, Number 4, 2015

URI: <https://id.erudit.org/iderudit/1034678ar>

[See table of contents](#)

Publisher(s)

The Geological Association of Canada

ISSN

0315-0941 (print)

1911-4850 (digital)

[Explore this journal](#)

Cite this document

(2015). Front Matter. *Geoscience Canada*, 42(4), i–iii.



The Tooth of Time: J. O. Wheeler remembered

A Cordilleran Mountain High: Consequences of a hot backarc

Evolving metamorphic core complexes of the Western Grenville Province

Greenstones and granites constrain the Archean World

Book Review: Four Billion Years and Counting...

Educating the educators on mining

Editor/Rédacteur en chef

Brendan Murphy
 Department of Earth Sciences
 St. Francis Xavier University
 Antigonish, NS B2G 2W5
 E-mail: bmurphy@stfx.ca

Assistant to the Editor: Andrew Kerr
 E-mail: akerr@mun.ca

Managing Editor/directrice de rédaction

Cindy Murphy
 E-mail: cmurphy@stfx.ca

Publications Director/Directrice de publications

Karen Dawe
 Geological Association of Canada
 St. John's NL Canada A1B 3X5
 Tel: (709) 864-2151
 E-mail: kfmdawe@mun.ca

Copy Editors/Rédacteurs copie

Rob Raeside
 Paul Robinson
 Reginald Wilson

Associate Editors/Rédacteurs associés

Sandy Cruden
 Fran Haidl
 Jim Hibbard
 John Hinchey
 Stephen Johnston
 Fraser Keppie

Assistant Editors/Directeurs adjoints

Columnist: Paul F. Hoffman - The Tooth of Time
 Outreach: Amanda McCallum (Atlantic)

Pierre Verpaest (Québec)
 Beth Halfkenny (Ontario)
 Godfrey Nowlan (Prairies)
 Eileen van der Flier-Keller (BC)
 Sarah Laxton (North)

Professional Affairs for Geoscientists:
 Oliver Bonham

Views from Industry: Elisabeth Kusters
 Series:

Andrew Hynes Series: Tectonic Processes:
 Stephen Johnston, Brendan Murphy and
 Boswell Wing

Canada GESE (Geospatial Earth and
 Environmental Science Explorations):
 Declan G. De Paor

Climate and Energy: Andrew Miall
 Economic Geology Models: David Lentz
 and Elizabeth Turner

Geology and Wine: Roger Macqueen
 Great Canadian Lagerstätten:

David Rudkin and Graham Young
 Great Mining Camps of Canada:

Robert Cathro and Stephen McCutcheon
 Igneous Rock Associations: Jaroslav Dostal
 Modern Analytical Facilities: Keith Dewing,

Robert Linnen and Chris R.M. McFarlane
 Remote Predictive Mapping:

Jeff Harris and Tim Webster

Illustrator/Illustrateur

Peter I. Russell, Waterloo ON

Translator/Traducteur

Jean Alfred Renaud, Magog QC

Typesetter/Typographe

Bev Strickland, St. John's NL

Publisher/Éditeur

Geological Association of Canada
 c/o Department of Earth Sciences
 Memorial University of Newfoundland
 St. John's NL Canada A1B 3X5
 Tel: (709) 864-7660
 Fax: (709) 864-2532
 gacpub@mun.ca
 gac@mun.ca
 www.gac.ca

© Copyright 2015

Geological Association of Canada/
 L'Association géologique du Canada
 Except Copyright Her Majesty the Queen
 in right of Canada 2015 where noted.
 All rights reserved/
 Tous droits réservés
 Print Edition: ISSN 0315-0941
 Online Edition: ISSN 1911-4850

Volume 42

A journal published quarterly by the Geological Association of Canada, incorporating the Proceedings.

Une revue trimestrielle publiée par l'Association géologique du Canada et qui en diffuse les actes.

Subscriptions: Receiving four issues of *Geoscience Canada* per year for \$50 is one of the benefits of being a GAC member. To obtain institutional subscriptions, please contact Érudit: www.erudit.org

Abonnement: Recevoir quatre numéros par année pour 50,00 \$ du magazine *Geoscience* est l'un des avantages réservés aux membres de l'AGC. Pour les abonnements institutionnels, s'il vous plaît contacter Érudit: www.erudit.org

Photocopying: The Geological Association of Canada grants permission to individual scientists to make photocopies of one or more items from this journal for non-commercial purposes advancing science or education, including classroom use. Other individuals wishing to copy items from this journal must obtain a copying licence from Access Copyright (Canadian Copyright Licensing Agency), 1 Yonge Street, Suite 1900, Toronto, Ontario M5E 1E5, phone (416) 868-1620. This permission does not extend to other kinds of copying such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Send permission requests to *Geoscience Canada*, at the Geological Association of Canada (address above).

La photocopie: L'Association géologique du Canada permet à tout scientifique, de reprographier une ou des parties du présent périodique, pour ses besoins, à condition que ce soit dans un but non-commercial, pour l'avancement de la science ou pour des buts éducatifs, y compris l'usage en classe. Toute autre personne désirant utiliser des reproductions du présent périodique doit préalablement obtenir une licence à cet effet d'Access Copyright (Canadian Copyright Licensing Agency), 1 Yonge Street, suite 1900, Toronto, Ontario M5E 1E5, Tél.: (416) 868-1620. L'autorisation susmentionnée exclut toute autre reproduction, telle la reproduction pour fins de distribution générale, de publicité ou de promotion, pour la création de nouveaux travaux collectifs ou pour la revente. Faites parvenir vos demandes d'autorisation à *Geoscience Canada*, au soin de l'Association géologique du Canada (voir l'adresse indiquée ci-dessus).

Those wishing to submit material for publication in *Geoscience Canada* should refer to the Instructions to Authors on the GAC® Web site, www.gac.ca

AUTHORS PLEASE NOTE:

Please use the web address <http://journals.hil.unb.ca/index.php/GC/index> for submissions; please do not submit articles directly to the editor.

The Mission of the Geological Association of Canada is to facilitate the scientific well-being and professional development of its members, the learned discussion of geoscience in Canada, and the advancement, dissemination and wise use of geosciences in public, professional and academic life.

Opinions expressed and interpretations presented are those of the authors and do not necessarily reflect those of the editors, publishers and other contributors. Your comments are welcome.

Cover Photo: The photograph, taken in 1981, is in the Cantilever Range of the southeastern Coast Mountains, west of Fraser River, and approximately 15 km SW of Lytton, British Columbia. Boulders in the foreground are of massive, clean granodiorite of latest Cretaceous age (K-Ar ages: Biotite ~64 Ma; Hornblende ~69 Ma). Just south of this locality the granodiorite intrudes highly deformed, greenschist grade rocks of Bridge River terrane and Jurassic-Cretaceous strata of Tyaughton-Methow basin. *Photo credit: Jim Monger.*

GEOSCIENCE CANADA

JOURNAL OF THE GEOLOGICAL ASSOCIATION OF CANADA
JOURNAL DE L'ASSOCIATION GÉOLOGIQUE DU CANADA

Column	373
The Tooth of Time: J. O. Wheeler <i>P.F. Hoffman</i>	
Andrew Hynes Series: Tectonic Processes	383
Tectonic Consequences of a Uniformly Hot Backarc and Why is the Cordilleran Mountain Belt High? <i>R.D. Hyndman</i>	
Post-peak Evolution of the Muskoka Domain, Western Grenville Province: Ductile Detachment Zone in a Crustal-scale Metamorphic Core Complex <i>T. Rivers and W. Schwerdtner</i>	403
Series	437
Igneous Rock Associations 19. Greenstone Belts and Granite–Greenstone Terranes: Constraints on the Nature of the Archean World <i>P.C. Thurston</i>	
Review	485
Four Billion Years and Counting: Canada's Geological Heritage <i>B.J. Skinner</i>	
Education Matters	487
The Teachers' Mining Tour in Ontario – A Professional Development Program for Educators <i>L. Hymers, B. Steer, and J. Williams</i>	