

## Front Matter

---

Volume 42, numéro 1, spring 2015

URI : <https://id.erudit.org/iderudit/1029222ar>

[Aller au sommaire du numéro](#)

---

Éditeur(s)

The Geological Association of Canada

ISSN

0315-0941 (imprimé)

1911-4850 (numérique)

[Découvrir la revue](#)

---

Citer ce document

(2015). Front Matter. *Geoscience Canada*, 42(1), i–iii.



The Tooth of Time: James Smith of Jordanhill

Logan Medallist article: Interpretations from Lithoprobe

A chip of the Meguma in SW England?

40 years on...progress report on the Grenville Orogen

Large and Small ...the Iapetus Suture Zone: A Legacy of Hank Williams

LIP service: The Columbia River Basalt and the Emeishan

**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: andykerr@gov.nl.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:

Canada GEESE (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  
 Harold Williams:

John Greenough, Jim Hibbard, Brendan  
 Murphy, Jeff Pollock, Cees van Staal

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, Sherbrooke 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 2014 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 \$40 is one of the benefits of being a GAC member. To obtain institutional subscriptions, please contact Érudit: [www.erudit.org](http://www.erudit.org)

**Abonnement:** Recevoir quatre numéros par année pour 40,00 \$ 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](http://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](http://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

## Acknowledgements

Thank You to 2013-2014 Guest Editors and Reviewers iv

## Presidential Address:

Geoscience in Canada: The Best of Times, the Worst of Times 1  
*R.J. Wardle*

## Column

The Tooth of Time: James Smith of Jordanhill 7  
*P.F. Hoffman*

## GAC Medallist Series

Logan Medallist 2. 27  
Geophysics and Geology: An Essential Combination Illustrated by *LITHOPROBE*  
Interpretations – Part 1, Lithospheric Examples  
*R.M. Clowes*

## Harold Williams Series

Does the Meguma Terrane Extend into SW England? 61  
*R.D. Nance, E.R. Neace, J.A. Braid, J.B. Murphy, N. Dupuis, and R.K. Shail*

Tectonic Setting and Evolution of the Grenville Orogen: An Assessment of Progress  
Over the Last 40 Years 77  
*T. Rivers*

From Large Zones to Small Terranes to Detailed Reconstruction of an Early to Middle  
Ordovician Arc – Backarc System Preserved Along the Iapetus Suture Zone: A Legacy  
of Hank Williams 125  
*A. Zagorevski, V. McNicoll, C.R. van Staal, A. Kerr, and N. Joyce*

## Series

Igneous Rock Associations 15. 151  
The Columbia River Basalt Group: A Flood Basalt Province in the Pacific Northwest, USA  
*S.P. Reidel*

Igneous Rock Associations 16. 169  
The Late Permian Emeishan Large Igneous Province  
*J.G. Shellnut*