

## THE ROYAL SOCIETY OF CANADA NAMES NEW FELLOWS

**Dominique Weis** (Department of Earth, Ocean and Atmospheric Sciences, the University of British Columbia, Canada) and **David Graham Pearson** (Department of Earth and Atmospheric Sciences, University of Alberta, Canada) were inducted as Fellows of the Royal Society of Canada at the society's Induction and Awards Ceremony on 18 November 2016 in Kingston, Ontario (Canada).



LEFT TO RIGHT: Graham Pearson; Dominique Weis; Maryse Lassonde, President of the Royal Society of Canada (RSC); and Jamal Deen, President of the Academy of Science of the RSC.

Founded in 1882, the Royal Society of Canada (RSC) is the senior national body grouping distinguished Canadian scholars, artists and scientists. It comprises the Academies of Arts, Humanities, and Sciences of Canada. Its mission is to recognize scholarly research and artistic excellence, to advise governments and organizations, and to promote a culture of knowledge and innovation in Canada and with other national academies around the world. It consists of nearly 2,000 fellows—men and women who are selected by their peers for outstanding contributions in the natural and social sciences, arts, and humanities.

We reproduce Dominique and Graham's respective citations below.

"Dominique Weis is internationally recognized for her insightful research on the chemical and isotopic composition of Earth's mantle with major impact on our understanding of the world's major large igneous provinces, mantle plumes and arcs, including Kerguelen Archipelago, Hawaiian Islands, and Cascades. Her research has elucidated a crucial relationship between ocean island composition and deep mantle processes. Her work crosses traditional domains of Earth science to encompass pioneering studies tracking the source and fate of metals in the environment."

"Graham Pearson is a world-leading expert on the origin of deep continental roots and the diamonds they host. His research has transformed our knowledge of how continents form. Pearson's pioneering work on diamonds has revolutionized our understanding of when and where diamonds form and is leading a new paradigm of where Earth's deep water is stored. Graham holds one of Canada's prestigious Canada Excellence Research Chairs."

## RODNEY C. EWING ELECTED MEMBER OF THE NATIONAL ACADEMY OF ENGINEERING



In February 2017, the National Academy of Engineering (USA) announced that **Rodney C. Ewing** (founding editor of *Elements* and a professor at Stanford University, USA) was elected as a member to the academy. Election to the National Academy of Engineering (NAE) is among the highest professional distinctions. Academy membership honors those who have made outstanding contributions to "engineering research, practice, or education, including, where appropriate, significant contributions to the engineering literature" and to "the pioneering of new and

developing fields of technology, making major advancements in traditional fields of engineering, or developing/implementing innovative approaches to engineering education." Rod was elected in recognition for his research on "the long-term behavior of complex ceramic materials to assess their suitability for engineered nuclear waste sequestration." He, along with the other individuals in the newly elected class, will be formally inducted during a ceremony at the NAE's annual meeting in Washington, D.C. in October 2017.

### Book Review *Cont'd from page 140*

To date, marine geochemists have likely relied on Chester and Jickells' *Marine Geochemistry* (3<sup>rd</sup> Edition 2012, Wiley), or Susan Libes' *Introduction to Marine Biogeochemistry* (2<sup>nd</sup> Edition 2009, Academic Press), or tried to cherry-pick from other marine chemistry, marine geology and isotope texts to make a reasonable supporting text for instruction. While all are benchmark books, each covers slightly different set of topics, and their styles are distinctly different. As a crude generalization, I would estimate that Roy-Barman and Jeandel's book would be more approachable for students than Chester and Jickells, and better for a more advanced student than Libes' text. As a bonus, Roy-Barman and Jeandel's *Marine Geochemistry* also delivers with amusing vignettes and a subtle French undertone that I found très charmant.

In summary, I have name-dropped some definitive texts in this review. *Marine Geochemistry* by Roy-Barman and Jeandel should hold its own among these. This text will certainly become a classroom standard for training new generations of marine geochemists and inspire their amazing research to come.

**Brian Haley**  
Oregon State University, USA