

**Richard J. ARCULUS**

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Richard Arculus is an igneous petrologist who has spent much of his research career in the study of magmatism associated with convergent plate boundaries. The impact of plate recycling at subduction zones in terms of generation of the continental crust and overall geochemical evolution of the Earth is the prime driver of this interest. His doctoral studies of the volcanic activity of the southern Lesser Antilles arc have been followed by appointments at the Carnegie Institution of Washington, Rice University, universities of Michigan and New England, and for the last 22 years at the Australian National University. During the latter period, he has focused on submarine volcanism, hydrothermalism, and tectonism of the arcs and backarcs, primarily in the western Pacific. He has participated in and led many research voyages on Australian, New Zealand, and USA ships in these regions. He has been deeply engaged with the various incarnations of the deep sea drilling programs, including serving as co-chief scientist aboard International Ocean Discovery Program Expedition 351 in mid-2014; this expedition targeted the rock record of subduction zone inception and arc evolution of the Izu-Bonin-Mariana arc.