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COVER: Colonnade of dacite lava on Ruapehu volcano, New Zealand. These fanning columns formed as hot lava flowed into and cooled against a glacier during an eruption ~37,000 years ago. Eruptions of this and other high-magnesium andesite-dacite lavas at Ruapehu were preceded by rapid magma mixing in the crust beneath the volcano. See "Rapid assembly of high-Mg andesites and dacites by magma mixing at a continental arc stratovolcano" by Conway et al., p. 1033–1037.

Photo by: C. Conway