Front photos:

*Top left:* Henry Brecher, Colin Bull, and Fritz Loewe (L to R) haul cargo across an ice cap near Sukkertoppen (Maniitsoq), west coast of Greenland in 1962. Photo provided by Henry Brecher. *Top right:* A drill dome at 3859 m on Mt. Ortles (Italian Alps) where four ice cores were recovered in 2011 to reconstruct climatic and environmental histories. Photo by Paolo Gabrielli. *Bottom left:* A drilling camp on the East Northwall Firn Glacier (4880 m) near Puncak Jaya (Papua, Indonesia) where two ice cores were drilled to bedrock in 2010 to study past tropical climate variability. Photo by PT Freeport Indonesia. *Bottom right:* A vicuña stands in front of the Murales, a vertical wall of snow and ice on the north face of Volcan Chimborazo, Ecuador where rapidly retreating glaciers threaten water supplies. Photo by Jeff La Frenierre.