

Mosley-Thompson, E. 1992.

Paleoenvironmental conditions in Antarctica since A.D. 1500: Ice core evidence. In: Climate Since A.D. 1500, R.S. Bradley and P.D. Jones, Eds., Routledge.

This paper synthesizes the records available for the East and West Antarctica Ice Sheets. The histories summarized in this chapter come from different areas which are characterized by a broad spectrum of net balances, mean annual temperatures, surface climatologies and ice flow regimes. The paper begins with a description of the individual cores and their localities which is followed by an overview of the dating of the ice core records which is the first, critical step in paleoclimatic reconstruction. The strengths and limitations of each record are discussed and this is followed by a synthesis of environmental conditions since A.D. 1500.