



FIGURE 10.2. (A) The measured distribution of ice velocity within a cross section of Athabasca Glacier, and (B) comparison with the theoretical model of Nye (1957, 1965). From Paterson (1994). In the model, the basal sliding velocity is assumed to be uniform, but measurements indicate that the basal sliding velocity decreases from the thickest part to the edges. The friction at the sides is much greater than predicted.