



Fig. 1.11 Meridional cross sections of longitudinally averaged temperature in degrees Celsius (—) and zonal wind in meters per second (---) for the northern hemisphere in January (a) and July (b). Positive zonal winds indicate flow from west to east. Heavy lines denote the tropopause and the Arctic inversion. (After *Arctic Forecast Guide*, U.S. Navy Weather Research Facility, 1962.)