

tubes, which had been filled with antifreeze during the inclinometer study, were bailed out, the thermocouples placed in the tube, and water poured in until the tube was filled. The installation at D-11 was the most interesting as it was the deepest and penetrated the moraine material below the ice. Figure 31 shows temperatures in the ice for the period of 1 year. It is probable that the measured temperatures did not exactly correspond to the true ice temperatures because of the effect of the black plastic tube but the gradient is approximately correct. In addition the top four thermocouples were out of the tube and lying on the ice. The first thermocouple actually embedded in the ice was the one at the 50-ft mark.

Based on these observations it appeared that there was some variation in temperatures in the ice to a depth of 50 ft, and below this depth the temperatures vary less than one degree during the year.