



FIG. 249. — Frontal longitudinal midsection of left femur. Taken from the same subject as the one that was analyzed and shown in Figs. 248 and 250. $\frac{1}{3}$ of natural size. (After Koch.)

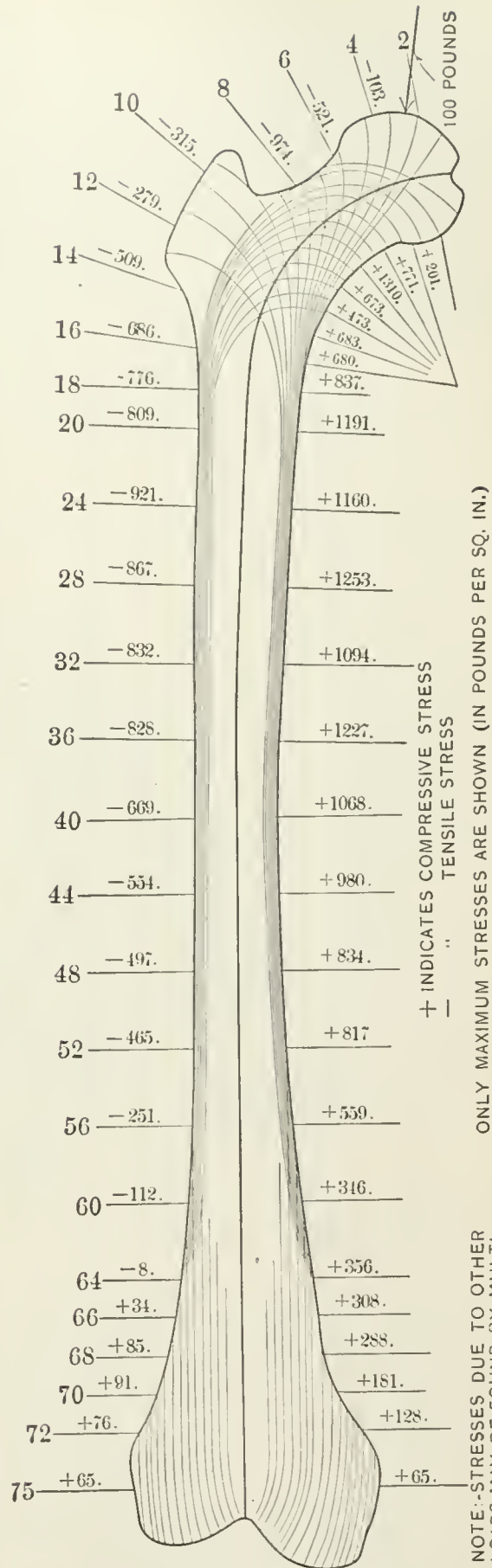


FIG. 250. — Diagram of the computed lines of maximum stress in the normal femur. The section numbers 2, 4, 6, 8, etc., show the positions of the transverse sections analyzed. The amounts of the maximum tensile and compressive stress at the various sections are given for a load of 100 pounds on the femur-head. For the standing position ("at attention") these stresses are multiplied by 0.6, for walking by 1.6 and for running by 3.2. (After Koch.)