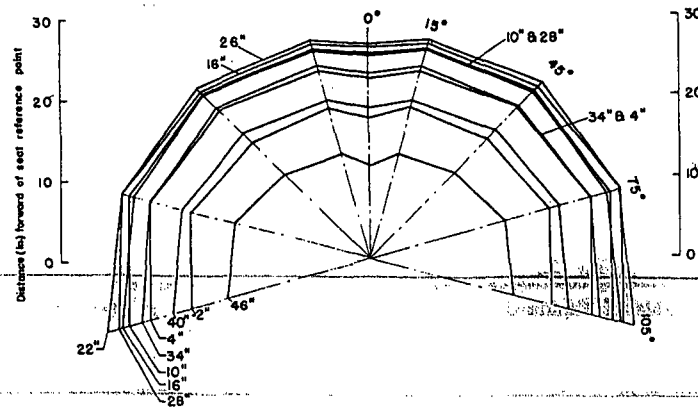




76

3. Leg Reaches. In those industrial tasks in which the workers' legs perform no controlling functions, there will be no anthropometric problem other than that of providing sufficient room for comfort and to avoid cramping or crowding. This is basically a matter of simple clearances based on static human dimensions plus added allowances to permit changes of leg positions. Where foot controls, such as pedals or treadles, must be operated, however, additional considerations are necessary, although they are generally of a simpler order, than are those concerning the location of hand controls. In few industrial tasks are the legs required to operate more than two or three pedals. Since these can usually be located to the front of the operator, on or about floor level, the basic anthropometric problem is simply one of forward leg reach, a function of leg length. The one means of providing for variations in workers' leg length is through the

10. C. Kephart and J. W. Dunlap, *Human Factors in the Design of Vehicle Cab Areas*.
Occupational Research Center, Purdue University, 1955.