

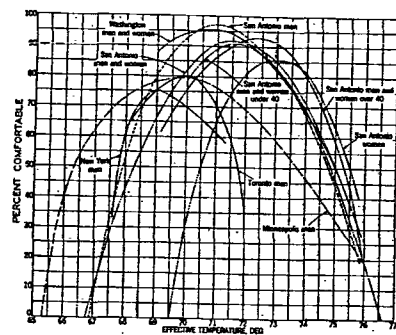


Fig. 13 . . . Relation Between Effective Temperature and Percentage Observations Indicating Comfort

subjects walking 3 mph and carrying 20 lb packs, confirmed this change in slope.

Clothing has been evaluated for its overall insulation effects by a physical unit, the *clo*, which equals 0.18 C deg per (kilogram calorie) (square meter) (hour).¹⁴ Yaglou¹⁵ criticizes the concept of overall insulation, and points out that different parts of the body require different amounts of insulation. The literature on effects of clothing is difficult to coordinate at the present time, as much of it is still in military service reports which are yet to be published and amplified.

For prematurely born infants, the optimum temperature varies from 100 to 75 F, depending upon the stage of development. The optimum relative humidity for these infants is placed at 65 percent.¹⁶ No data are yet available on the optimum air conditions for full term infants and young children of pre-school age. Satisfactory air conditions for these age groups are assumed to vary from 75 to 68 F, with natural indoor humidities. For school children with high metabolism, wearing winter clothes, 70 F has been considered correct; 55 F is recommended for their gymnasiums.

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