

DIFFERENT FUNCTIONS

FROM JOHN CURREY, "THE MECHANICAL ADAPTATIONS OF BONE"

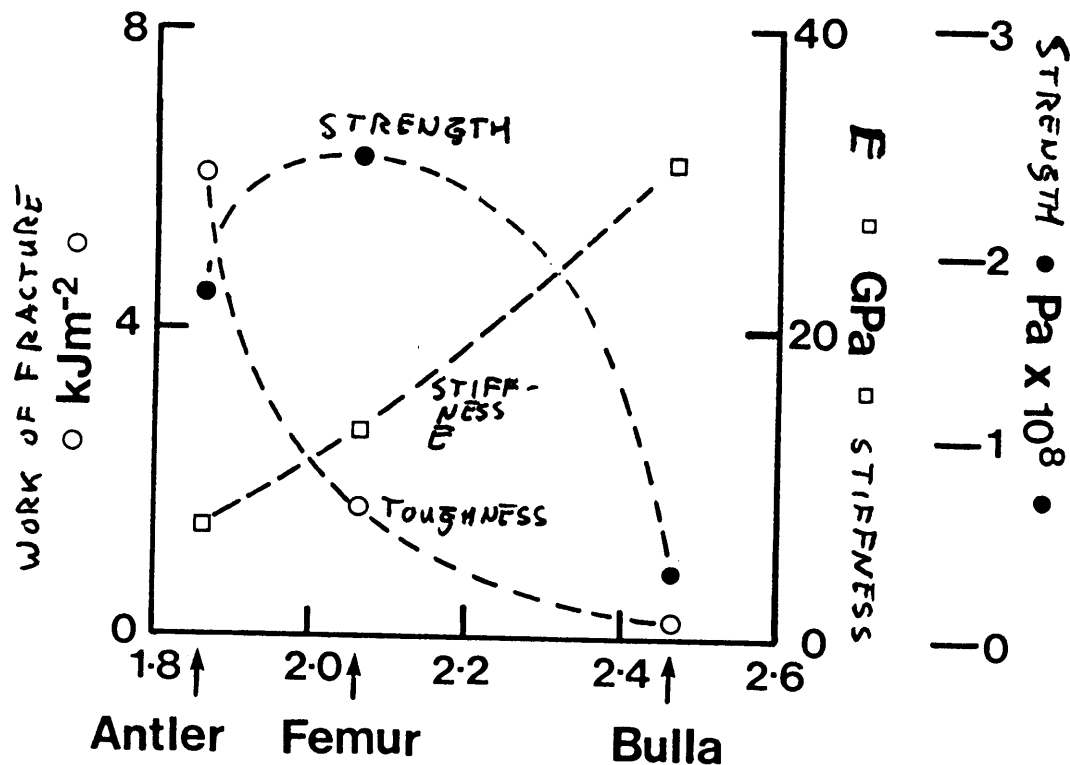
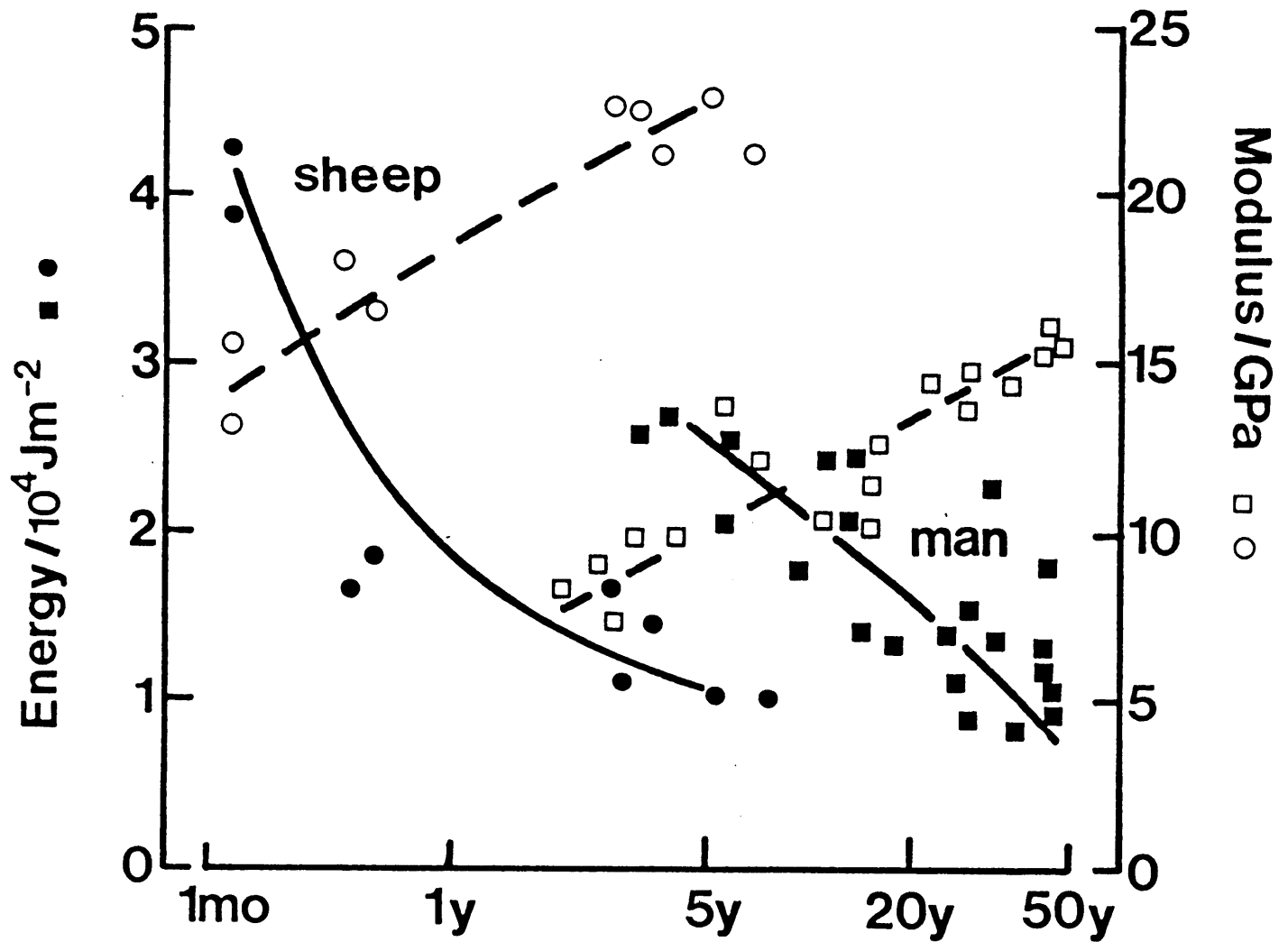


Fig. 3.1. Mechanical properties of three bony tissues. Abscissa: Density/ 10^3 kg m^{-3} . Ordinate: Three different mechanical properties. Work of fracture shown by open circles, bending strength by solid circles, Young's modulus of elasticity by open squares. The interrupted lines serve merely to connect values of different mechanical properties in different bones; they are not intended to imply any smooth relationship between density and these mechanical properties.

LIMITS OF MECHANICAL PROPERTIES OF BONE



3.2. The energy absorption and Young's modulus of human and sheep bone as a function of age. Sheep: circles; man: squares.

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