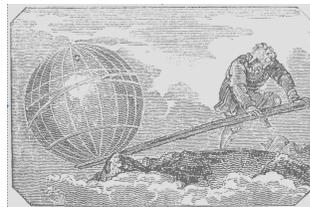
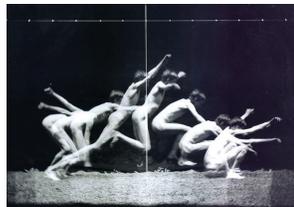


Matching Characteristics

It seems logical that when given a choice between two opposing mechanical systems, if one seemed a perfect match to the structure in question, with identical physical characteristics, and the other, a perfect mismatch, where nothing seems to fit, it would be a no brainer as to which would be picked. I will list the characteristic mechanical properties of biologic structures, lever based structures, and tensegrity icosahedral structures and leave the choice to you. Of course, if it looks like a duck, walks like a duck, quacks like a duck, it must be—.



Mechanical Characteristic	Biological Systems	Lever Systems	Tensegrity Icosahedron
S/S Curve	Non-Linear	Linear	Non-Linear
Stress Distribution	Global	Local	Global
Structural Distribution	Continuum	Discontinuous	Continuum
Gravity	Independent	Dependent	Independent
Directional Stability	Omni	Uni	Omni
Energy Costs	Low	High	Low
Joints	Flexible	Rigid	Flexible