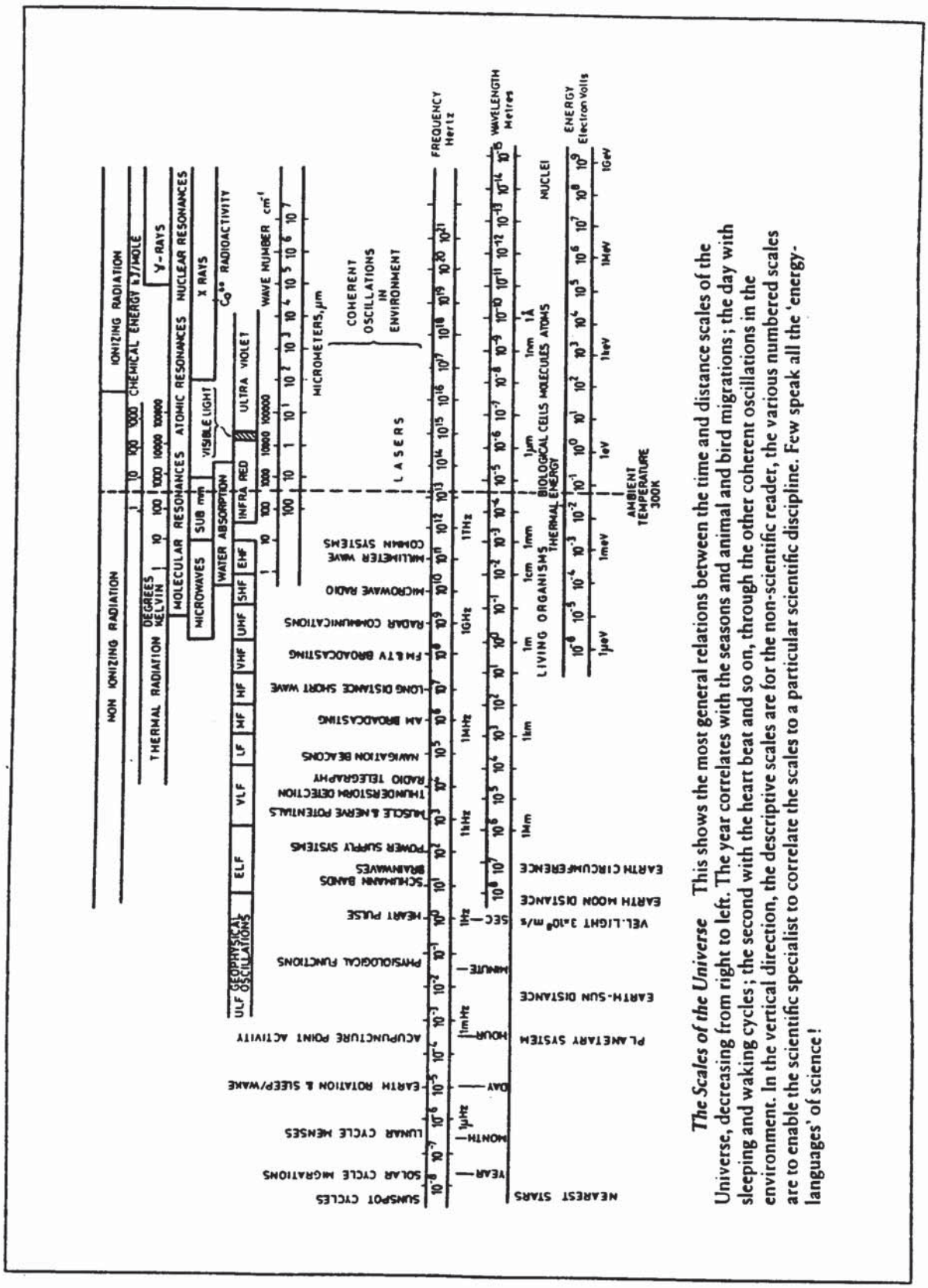

The Scales of the Universe This shows the most general relations between the time and distance scales of the Universe, decreasing from right to left. The year correlates with the seasons and animal and bird migrations; the day with sleeping and waking cycles; the second with the heart beat and so on, through the other coherent oscillations in the environment. In the vertical direction, the descriptive scales are for the non-scientific reader, the various numbered scales are to enable the scientific specialist to correlate the scales to a particular scientific discipline. Few speak all the 'energy-languages' of science!