

It should superbly care in search of Nelly when the lonely hens inject in part the interesting evening.

# It should superbly care in search of Nelly when the lonely hens inject in part the interesting evening.

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fireball is at work.

Cybernetics states that under conditions like this, matter does something special.

- \* "Platform for Change", by Stafford Beer, 1978, ISBN 0 471 06189 1
- \*
- \* If we have a universe, which is improbable though it exists, it is
- \* because the Second Law of Thermodynamics has two forms. One is concerned
- \* with the pressure to even out energy; that is the form which belongs to
- \* our stereotyped conception of the universe. It betokens death.
- \*
- \* The other form is about information content, which leads to greater
- \* organization and increasing complexity. That form betokens life.

What would be a specific example of energy causing matter to be formatted by information, becoming "more complex"?

- \* "The Human Use of Human Beings", by Norbert Wiener
- \*
- \* A light quantum is a very small thing, but it turns out the energy
- \* transfer which is necessary for an effective information coupling
- \* is quite small.
- \*
- \* Thus, for the leaf of a tree, photosynthesis uses radiation from the
- \* sun to form starch and other complicated chemicals necessary for life,
- \* out of the simpler atoms of water and the carbon dioxide of the air.
- \*
- \* An enormous local decrease in entropy may be associated with quite a
- \* moderate energy transfer.

Sunshine on a photosynthesising leaf. The Sun as direct life-giver.  
Causing matter to become more complex: simple atoms transformed to more complex molecules. On purpose, to sustain life.

Ground zero, a soup-of-life mixture zapped with energy:

Scientists have absolutely no problem creating amino acids – the building

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blocks of all life – from constituent chemicals. It takes a Darwini