

The Foundation of Sane, Strategic Energy Development

Too much energy was used generating heat.
Too little energy was used in generating light.

Edison's Direct Current energy generation
could not be transmitted
without excessive losses and huge conductors.

Tesla's Alternating Current energy generation
could be transformed and transmitted.

We haven't yet fully regarded and respected Tesla's work.
We have not built upon and extended
his explorations and his experimentation.

We practice an extrapolative extension,
creeping forward, wary,
seeking certainty, proof and validity.

Electrical energy, motors, electronics:
this is our fixed advocacy.

Everything is made out of charges,
in motion and connected.

$$E = mc^2$$

E (energy) = (equals or has a value following relationship) to
m (mass) times c (the velocity of light) squared.

Why squared?

Because *m* (mass or matter) is made out of charges
(in motion and connected to one another).

It is *c* (the velocity of light) squared
because one *c* is the light constituting the charge structure,
and
one *c* is the motion; the movement and
the connection of the charge.

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There is total equivalence between energy and mass.

Mass is a pattern for energy.

Quantum mechanics is the energy parceling pattern.

Planck's constant is the energy

per beat of frequency

in the spectrum of light colours

emitted from an excited specimen

of any given substance.

E (energy) = h (Planck's constant) times ν (frequency)

Planck's constant is the energy parceling increment

of physical reality.

Planck's constant relates to

the mass system:

the mass per unit volume per unit time.

Our local star, the sun,

contains 99.86% of the total mass

in our solar system.

It situates in a position

about two thirds of the way

from the centre of the galaxy.

Dimensions such as space and time are sequence providers.

We need to enlarge our inventory of

sequence providing dimensions.

There is no absolute motion or movement.

Every motion or movement

must have a body or a system of reference.

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When we detect a form artifact of energy
we must seek to find the relationship
the body of reference or the system of reference
with respect to which
the form artifact of energy occurs.

Kozyrev has discovered that
spinning, rotating or oscillating masses
register different weights or masses
related to quantum increments of motion or movement.

Similarly, living organisms
account for a spin torsion
that can be measured.

Life relates to and interacts with
a body of reference or a system of reference
that provides this spin torsion.

Evolution may be characterized
by the intricacy and the complexity of relatedness
to a body or bodies,
to a system or systems of reference.

Now, we move currents or magnets
to generate our electrical energy.

At what scale, following what pattern
should we organize the energy
out of which everything is made?

We make bullets of metals like Uranium
and collide them,
to generate critical mass
(mass per unit volume, per unit time).

This is an atomic bomb.

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Life, however, takes glucose
acts upon it in a phosphorylation,
transforms it to a phosphorylated fructose,
phosphorylates the transformed fructose,
splits it,
yields pyruvate,
uses oxygen,
sends it along the electron transport system
and Krebs Cycle
to yield
36 to 38 molecules of ATP (adenosine triphosphate),
the energy currency of life.

Here is a contrast!
a small number of large events
versus a large number of small events!
That suggests a strategy.

One might seek the amount of energy
contained in nuclear forces.
But do it in a large number of small steps or stages.
This is what happens on our stars.
We couple the energy events in a star
with the energy events in life
in photosynthesis.

Photosynthesis removes the oxygen from carbon dioxide
removes the oxygen from water
and joins the carbon to the hydrogen.
This is the chemical energy holding and storage means.