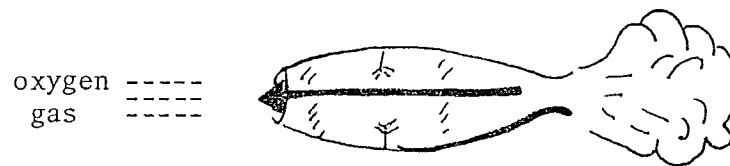


ENERGY FOR LIFE IN THE NEXT MILLENIUM PART II:
Biosynthesis; A continued requirement for life

by

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The jet propulsion engine which powers most of our modern aircraft operates by compressing cool gases (oxygen) that pass through a combustion chamber where flammable hydrocarbons (fuel) are ignited and burned to carbon dioxide gas and water vapor ($C_n H_{2n+2} + O_2 \rightarrow CO_2 + H_2O + \text{heat}$). The burning of the fuel causes the gaseous material to expand as it leaves the combustion chamber; thereby propelling the airplane in a forward direction. This example is one explanation of Sir Isaac Newton's (1642-1727) third law of uniform motion; This states that for every action there is an equal and opposite reaction (response). This propulsive motion can be thought of as causing centrifugal (outward) action of the combustion gases as they pass through the engine.



$$\text{Force on Exhaust Gases} = \frac{M_o V_f - M_o X_0}{t}$$

The thrust developed by a jet engine is the reaction force to the change in the momentum of a combustible medium

As the gases expand they cool and approach or reach the same temperature as the incoming gases. Likewise, this motion describes the so-called expanding universe which is hypothesized to have been formed by an explosive expansion of material (Big Bang Theory).

It is really not possible to understand the curvature of Light in Space, as described by Einstein, until Newton's Law of Uniform Motion (and universal gravitation) are comprehended. Most physicists master the mathematics of Newton and Einstein but this accomplishment in no way guarantees understanding. By self admission, few if any contemporary scientists understand why light follows a curved path in space; but, we know that it does.

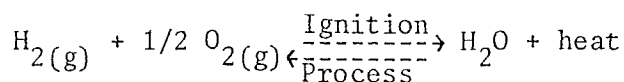
The universe, while it seems to be expanding, is also undergoing various syntheses as re-ordering occurs among the various matter forms. This continuing reformation of the universe is understood by the knowledge that there is curvature of light in space. The curvature of light is manifested by centripetal forces that continually create energy-con-

taining matter forms (i.e., water from hydrogen and oxygen). Centripetal synthesis is related through acceleration of an object by using Newton's first and second laws of uniform motion (Force equals mass times acceleration where acceleration is the square of the velocity of the object divided by the radius of the arc of motion). Centripetal force is that energy directed toward the center as an object moves in a circular path. This force we call gravity. Gravity/Centripetal force is responsible for the re-ordering of the anatomical universe thus reducing the overall entropy of the environment on earth.

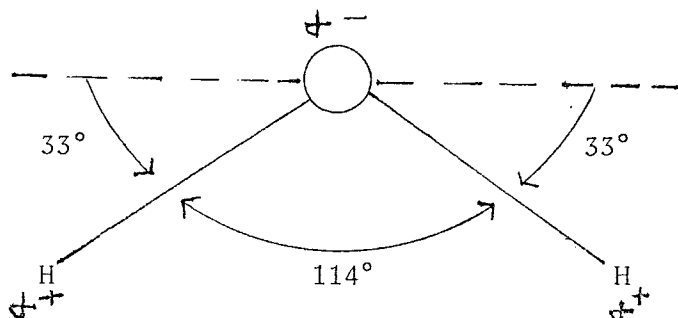
To overcome the centripetal force of creativity in the universe it is necessary only to produce an equally creative force in the relative opposite direction. This will provide a condition of levitation within the creative object and the two creative forces will separate (an aircraft would rise vertically; the type of motion described for "flying saucers").

The act of natural synthesis can be accomplished through the use of a vortex (spiral) thereby creating a propulsion of synthesis (Order) rather than degradation (centrifugation) of organic molecules. The centripetal force results from fusion of matter and provides a means of naturally decreasing the entropic rate of today's technology which, is based totally on centrifugal methodology.

The water in Upper Klamath Lake located at Klamath Falls, Oregon is an example of the centripetal synthesis process. This pristine (new) water is formed in the earth from gaseous hydrogen and oxygen which is compressed and super heated by hot molten lava.

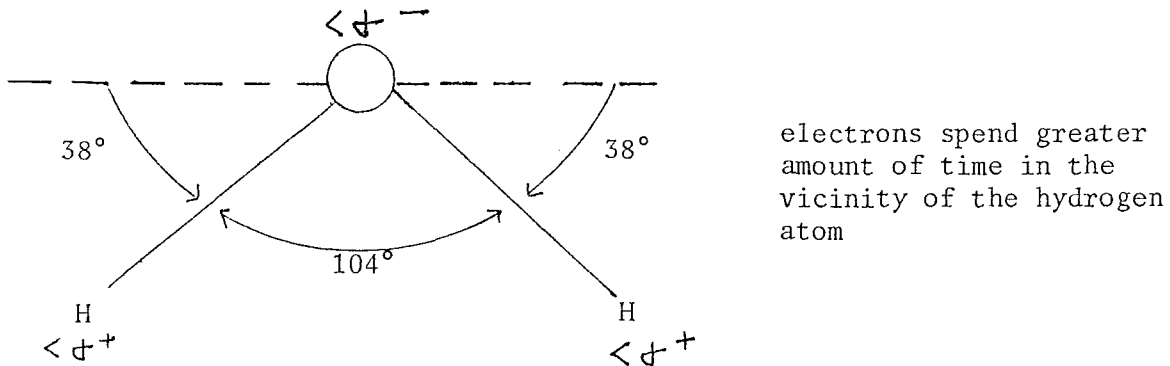


The newly formed water spirals slowly to the surface of the earth where it emerges at a temperature of +4°C (39°F). At 4°C the new water maintains its centripetal spiral motion (energy) thus it stays healthy and alive. The new water has the oxygen atom chemically bound to the hydrogen atoms.



electrons spend greater amount of time in the vicinity of the oxygen atom

The bonding produces a highly polar molecule where the electrons are primarily around the oxygen atom. When the living water is warmed to over 4°C it contains less energy and lowered biological quality, as the temperature increases. The hydrogen atoms are then bound to the oxygen atom which leads to the slow degradation of the water, its loss of density and increased ability to support the growth of various bacteria and viruses.



The change in chemical bonding, at temperatures greater than $+4^{\circ}\text{C}$, produces a molecule of reduced polarity and the electrons spend more time in the proximity of the hydrogen atoms. The highly polar (new) water is known to us as "HEAVY WATER" (not to be mistaken with D_2O); it is characterized by having special energy and bonding properties/qualities. "Heavy Water" is a living substance which is born and develops, normally to change into higher forms of energy. But, with incorrect treatment such as chlorination, fluoridation and addition of other chemicals it dies and so do its human consumers.

The corpse water, which most people drink (and is the substance subjected to analysis), actually requires energy from the consumer, thereby, leaving the consuming organism in a weakened state. Water flowing into Upper Klamath Lake is living and imports energy to the consumer. This is exemplified by the situation wherein the consumer actually gains about 35% of the actual weight of water consumed. The remaining 65% of the consumed weight of living water is converted directly to energy for use by the body. This explains the enormously invigorating quality of living water.

It has been found that the BLUE-GREEN MANNA ALGAE (*Aphanoe-Klamathomenon flos-aquae*) assimilate this unique, yet natural energy form from the surrounding pristine water. The energy transfer from the living water to the alga cell permits the cell to synthesize the balanced organic mineral profile we find in the BLUE-GREEN MANNA when it is harvested. The combination of pure air, sunlight and living water allows for the biosynthesis of a

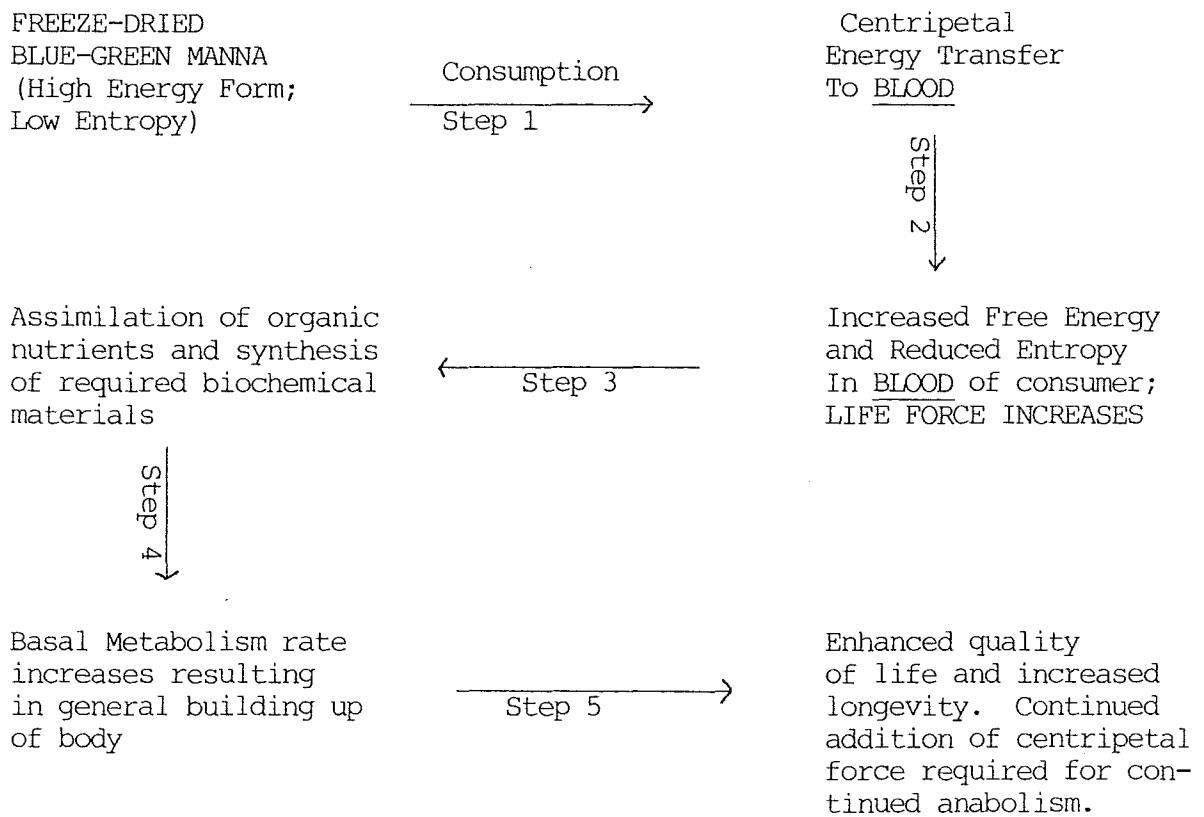
true oxynitrophototrophic transmutative organism. Each cell is a remarkable well-balanced and regulated mineral factory.

Inside the human body the transfer of centripetal and chemical energy contained in the BLUE-GREEN MANNA begins. The form of energy movement which creates, develops, purifies and grows is the pyrimidal spiral which externally is centripetal and internally moves towards the center. This energy is transferred rapidly to the human body from the MANNA. The transfer of energy from the MANNA to the HUMAN'S energy system is essentially instantaneous due to the basic principles of energy transfer related by the laws of thermodynamics (Algae Blue-Green Manna, American Chiropractor, V. H. Kollman, May/June 1980). This flow of free energy from higher to lower states results in the increased body energy that is described by consumers of the MANNA.

Since the flow of energy is rapid, it seems logical that the transfer is to the blood rather than to the individual cells. Further, the blood contains the "life" of the organism. The initial result of MANNA consumption is the increase in that form of movement which alters the existing centripetal force to a higher level and simultaneously increases the order (decreased entropy) of the blood and the body. We find these kinds of energy changes occurring every where in nature where growth is taking place, in the spiralling of our universe, in the movement of the planetary system, in the behavior of light, in the natural flow of blood, water and sap. The organic biological molecules contained in the MANNA such as vitamins, organic minerals, protein, lipids and carbohydrates provide some of the necessary materials for the anabolic (building) processes to proceed thereby resulting in the biosynthesis of required organic molecules necessary to sustain life. (Fig. 1).

Figure 1

Centripetal and Biochemical Action of Blue-Green Manna



The result of increased centripetal energy in the blood and a predominance of anabolic processes (biosynthesis) is the disappearance of fatigue, disease, premature aging and death by disease. This is generally regarded by us as a reduction in the potential for "INTERCEPTED HEREDITY" to adversely effect future generations.

The biologically destructive Force is centrifugal and dissolving in nature. It forces the moving medium such as blood outward from the center towards the periphery in straight lines. The particles in the medium are forced outward from the center causing such metabolic disorders as vascular plaques to be manifested. Centrifugal Force weakens the medium and causes it to break up leaving disintegration fragments i.e., gallstones kidney stones, carbonaceous deposits on bone (osteo arthritis). The body uses this catabolic (destructive) force to remove waste fragments that have lost their vivacity, In nature, such as the forest, new coordinated forms of matter are created as a result of the balance between Centripetal and Centrifugal force. In the bodies of most humans however, the destructive centrifugal force is proceeding at a greater rate than the constructive centripetal force. This disequilibrium in rates is due to the air we breathe, the water we drink, the light to which we are exposed and the food we eat. The disequilibrium is expressed as INTERCEPTED HEREDITY resulting in an ever increasing number of fluid and cellular diseases. We see intercepted heredity at work in DOWN'S SYNDROME and PROGERIA wherein premature aging of the ovum and spermatozoa result in a fetus with an advanced state of Centrifugal Force, and of course, a higher level of entropic (random) cell disorder.

The fundamental question is: must there not be something basically wrong with the principles behind modern technology to have led to the destruction of our forests, agricultural land, water and all life forms - plant and animal? The answer, though too simple for most technocratic scientists to consider is, "We use the wrong sort of motion."

The Centripetal, pyramidal spiral movement is symptomatic of reduced temperature, contraction, concentration, increased Free Energy, and reduced entropy (random motion). The Centrifugal movement, on the other hand, is exemplified by rising temperature, heat, extension, expansion, explosion and rising entropy (disorder). In the UNIVERSE, as in man, there is a continuous interfacing from one type of movement to the other. However, if synthesis is to occur, then the movement of growth must

predominate.

When the biological quality of the nutrition is diminished, we recognize that people become much more vulnerable to illnesses stemming from energy deficiency. Energy deficiency first results in diseases of disposition (body fluids) then constitutional disease (cellular invasion) and finally neoplastic disease (cancer) followed by death. Thus, the logical consequence of disruption: death of light and life at increasingly accelerated rates. With BLUE-GREEN MANNA, the restoring of centripetal motion to the human body is as axiomatic as are the geometrical principles of mathematics.

GLOSSARY

Sir Isaac Newton: By 1666, when he was twenty three years of age, Newton had discovered the binomial theorem and differential calculus. He had begun his work on optics and color and had started to explore the possibility that the earth's gravitational forces extended to the moon. It was from this idea that he developed the three laws of motion and the universal law of gravitation.

Newton's first law of motion: This law of inertia states that every body in the universe exists in a state of rest or of uniform motion unless acted upon by some external, unbalanced force.

Newton's second law of motion: This law of acceleration states that the acceleration of a body is proportional to the unbalanced force acting upon the body and is inversely proportional to the mass of the body.

Newton's third law of motion: This law of interaction states that for every action (or force) there is an equal and opposite reaction (or force). Whenever a force is acting two bodies must be involved. There can never be a single force acting in nature; forces always exist in pairs.

Principle of Universal Gravitation: Every particle of matter in the universe attracts every other particle with a force that varies directly as the product of their masses and inversely as the square of the distance between their centers of mass.

Angular Acceleration: The angular acceleration of objects moving in circular paths follows from the fact that the direction of the object is continually and uniformly changing.

$$\text{angular acceleration} = \frac{v^2}{r}$$

v = velocity ; r = radius

Centripetal Force (motion): When an object is moving in a circular path, the force pulling the object toward the center of the circle is called centripetal force.

$$\text{centripetal force} = \frac{mv^2}{r}$$

m = mass of object (w/g) ; v = velocity ;

r = radius of curvature

Centrifugal Force (motion): Is the equal and opposite of centripetal

force. It does not exist except as a reaction to centripetal force. It is not correct to think of centrifugal force as pulling the object acted upon out into space.

Theory of Relativity: Einsteins theory of relativity, in its simplest form, relates mass and energy. In 1905, Albert Einstein proposed that the addition of energy to an object causes an increase in its mass or inertia. Conversely, the loss of mass by an object should result in the appearance of an equivalent amount of energy.

$$\Delta E = \Delta mc^2$$

E = energy ; m = mass ; c = speed of light (3.00×10^8 m/sec)

δ^+ : Partial positive charge

δ^- : Partial negative charge

Living Water: Water having a hydrogen atom to hydrogen atom bond angle of 114° .

Heavy Water: Water having a hydrogen atom to hydrogen atom bond angle of 114° .

Corpse Water: Water having a hydrogen atom to hydrogen atom bond angle of 104° .

Anabolism: Those chemical processes in which simpler substances are combined to form more complex substances resulting in the storage of chemical energy and the production of new cells and growth.

Catabolism: The degredation of complex chemical substances resulting in the breakdown, wearing out and using up of cells and cellular material. Chemical energy may or may not be released during this process.

Metabolism: The rates of the sum of all the biochemical activities of a living organism which provide for its growth, maintenance and repair.

Thermodynamics: A study of the energy changes accompanying physical and chemical transformations.

Heat: A type of energy capable of raising the temperature of a substance.

First Law of Thermodynamics: Energy is neither created nor destroyed. When energy in one form disappears, an equal quantity in another form must appear.

$$\Delta E = q-w$$

q = heat change ; w = work done ; $\Delta E = E_2 - E_1$ (may be positive or negative)

Second Law of Thermodynamics: The energy of the universe is constant but the entropy approaches a maximum.

Enthalpy: $\Delta H = \Delta E + \text{work} = \Delta E + P \Delta V = \Delta E + PV_V = \Delta E + \Delta nRT$ The enthalpy of a system depends solely on its state and not on its prior history.

Entropy: As a system goes from a more orderly to a less orderly state, there is an increase in its randomness, and hence by definition an increase in its entropy. For the isothermal expansion of a gas the entropy change can be represented by the following equation

$$S = \frac{Q_{\text{expansion}}}{T} = \frac{W_{\text{max.}}}{T} = \frac{nRT}{T} \ln \frac{V_2}{V_1}$$

Third Law of Thermodynamics: The entropy of a substance in its normal crystalline state at the absolute zero of temperature is zero.

Free Energy (constant temperature and pressure): The change in the free energy of a spontaneous reaction is the change in enthalpy minus the change in entropy multiplied by the absolute temperature. ($\Delta F = \Delta H - T\Delta S$).