

Chapter 19

Biological Shocking Power

All elements, waters, soils, rocks and life forms that are below the surface of Earth are in negative polarity, and we find that there the same Universal laws apply as above the surface. There are fish that use radio principals to detect objects in water even as we, above the surface, use electronic detectors. Some fish, which are neither fast swimmers nor users of radio principals, use shocking organs for protection or to stun their prey. The fish that can produce electric shock at will are examples to us of tomorrow's energy without fuel. We cannot resolve these happenings by investigating the bodies and organs only. We need to see them as though we were observing them from high frequency space. There we can re-evaluate the reports from our physical senses in terms of Cosmic Science and free ourselves from trying to satisfy the senses with proof that they cannot feel. Mentally observing from a remote area to resolve a problem is copying Infinity. From Untouchable Stillness, Infinite Spirit and Wisdom see outward to all lesser frequencies of either density, and nothing is a mystery as each happening is in some way a miniature copy of the basic.

Since every physical happening takes place within Infinity of Great Density, then each and every occurrence of a build-up of electric shock is a parallel to the steps that take place from

Infinity outward to produce a Universe and all the mini-universes or life forms within it. The shocking organ of the eel is a tool even as the ignition system of an auto is a tool. The electrical tool, as seen by us far removed from the action, serves the mental purpose and law of survival of the eel. The shocking organ is electrically alive as long as the pulsating blood stream maintains a standing energy potential in the body of the eel. When the need arises for applying shock, the mental activity is similar to us moving our arms for self-defense or to acquire food. The shocking force is electrical energy channeled through a voltage doubling series to build up high voltage. The energy is not produced by the organ. It is tapped in the same manner that an electrical, physical body of man taps it; but in another style and for another purpose.

The strong non-electrical forces of the atom are local evidence of strong non-electrical forces throughout Living Space, which are a sound framework for all electromagnetic force and activity. With this as a basic thought, electrical charge and discharge is conceivably possible anywhere in the Universe. The great flashes of light sometimes observed in space are electrical discharge not unlike an atomic explosion that is a discharge (short circuit) of high potential electrical space at the atom level.

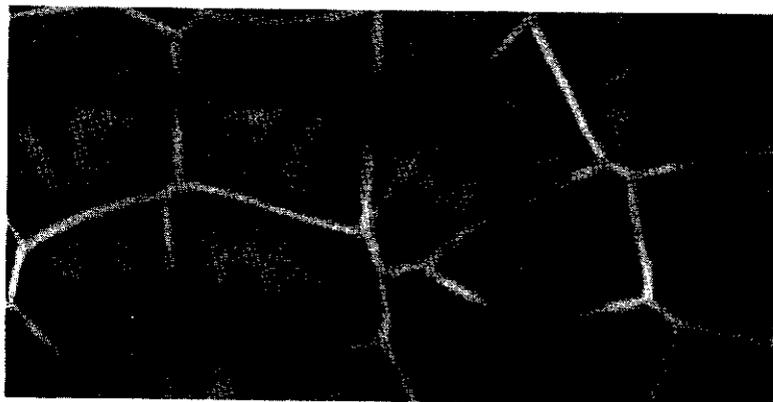
It is now recognized that lightening in our atmosphere is a two-way reach of forces. The unbalanced, positive force in the atmosphere, acting to find balance, comes toward Earth as a bolt, and the flash we see is that of the stored energy of Earth (capacitance) going upward to relieve the unbalance in the atmosphere. When we shuffle across a negative balance rug on a dry day, we lose some of our body surface charge to the rug, then when we approach a metal object, a stream of electrical energy leaves the metal and jumps a gap to our body and the sudden exchange is felt as a shock. The path of a strong current (shock) through our body can rob tissues and organs of their natural energy charge and cause temporary paralysis. A very high voltage pulsing charge inside a TV chassis, if approached closely with any part of our body can

cause temporary paralysis even across a gap and without the body being grounded. The high voltage can rob us of standing energy potential even without a through-flow that happens at lower voltage shock. All shock is an interchange of forces caused by unbalanced charge in electromagnetic crystalline Space, or in material manifestations, natural or man-made. A bolt of lightening can manifest this differential only because Electromagnetic Light in contrast gives it this potential. So also is it true of any electrical charge or interchange.

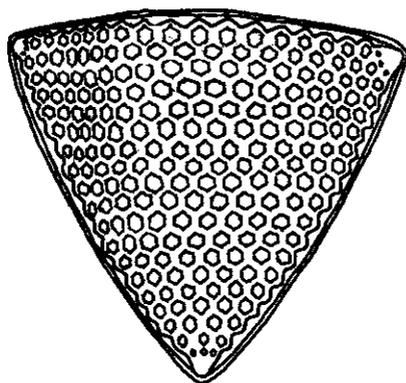
The solid mantle of Earth is a conglomerate of elements, molecules and minerals which are also found in the seas in fluid form. We can point to certain discoveries and happenings which tell us that the solid mantle of Earth is a living crystal, and by these we can mentally visualize the sea to be a reactive fluid crystal in which many energy and Life reactions take place. In *Scientific American*, Nov. 1976, an article "Convection Currents in the Earth's Mantle" describes laboratory experiments that appear to reveal the existence of convection cells and convection currents in the Earth mantle that vary in size from huge to very small. The many illustrations in the article show irregular shapes common to those found in biology and in skeletal remains of single cell organisms. They are also similar to the shapes of iridescence seen on the surface of soap bubbles as depicted in *Scientific American*, July 1976. Examples of these shapes are shown in Figure 26, a, b and c.

In contrast to Earth's convection currents are Sun currents. In June 24, 1978, *Science News*, an article "New Twists in Solar Rotation Rates" tells of convection currents detected on the surface of the Sun, and states that these are caused by different layers of the Sun rotating at different rates and in phase with the surface rotation. Each such discovery tells us that the massive Sun resembles the nucleus of the atom which has electrical and strong non-electrical forces.

Everywhere there is evidence that Earth and Sun are crystalline reactors. *Popular Science*, May 1974, reports on bases at the South Pole which tell of strangely amplified radio signals between there and Canada. At Siple Station, Antarctica,



b



c

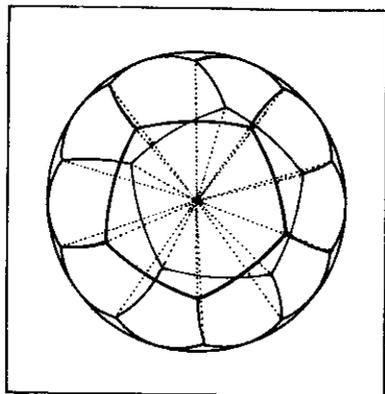


Fig. 26, CONVECTION CURRENTS OF EARTH, DIATOM AND SOAP BUBBLE

which is manned by Stanford University, is a 100 kw, very low frequency radio station. Their signal injected into the magnetic field of Earth is mysteriously amplified a thousandfold, theoretically by some mysterious process in the magnetosphere. My experience with TV signals in the high desert country of California, a fringe TV area where rock structure is often visible on the surface, showed me that even in remote areas a strong TV signal can be picked up by an antenna located above massive mineralized granite rock formation. The TV stations receivable varied, depending on the type of crystalline structure that was present in the surface. In areas where massive granite rock formations are missing, the TV signal is scattered to the extent that it is poor to non-existent, but where massive crystalline rock is present the signal is excellent even far beyond line of sight. A TV signal is attracted to and compresses toward the crystalline mass and this is amplification. Armed with this local information which is readily provable, we can evaluate the South Pole's radio and its mysterious amplification. Robertval, Canada, where the receiving station is located, sits in the midst of the largest granite rock shelf in North America. This shelf, surrounded by an abundance of mineral deposits, is no doubt an area of great activity of convection currents and their charges. The lower frequency TV signals in which the forth and back oscillation is longer, have greater reaction time and bend more easily than shorter frequency signals. The very low frequency of the South Pole radio bends with ease toward the contrast that attracts it.

When the Sun sweeps Northward, especially during May, June and July, certain Sun activity creates havoc with TV channels 2 and 4 in the high desert where rock formations are on the surface. One often receives good to poor signals from thousands of miles away on vacant channel 3, and out of phase interference on channels 2 and 4 from the channel 3 source. Sun and Earth forces are contrasting and reactive. With this in mind we can better evaluate marine life and their strange abilities. The sea is a living crystal only because it exists within primary and secondary Electromagnetic Light.

Planet Earth somewhat resembles the electron cloud of the atom, in that it relates to the Sun nucleus while also relating to Electromagnetic Space and Light. Where the Sun represents outgoing, warm forces of the Solar System, planets represent cool ingoing forces. Below the surface of Earth, electric eels that produce shock, utilize the following elements and their contrasts: hydrogen, oxygen, carbon, chlorine, potassium, sodium and calcium.

Where our generated electricity has a negative, alkaline metals have a positive. These can be side by side as in potassium and calcium but with one leaning toward the positive and the other toward the negative. If this difference be small then it takes many cells to produce high voltage as is the case with electrical fish.

The African electric catfish is shaped more like the sluggish electric eel than the fast swimming porpoise that taper off toward the tail. Its skin is soft and immediately beneath the surface lies the electric organ that is formed of rhomboidal cells of a fine gelatinous substance. This is a part of the skin and thus not unlike the serpent skin that energizes bumps with closely spaced elliptical cells visible on the surface. The fact that the cells are rhomboidal relates its basic balance to unsymmetry and to the negative side of Nature, which in physical form is unbalanced negative creations. The shock produced is up to 450 volts in intensity with a generous flow of current when activated.

The electric ray in large species produces higher current flow and lower voltage. Its electric organ of two poles is embedded in each side of the head and wings. The individual cells are hooked up both in parallel and in series. The parallel is the path for high current, while the series by accumulative pulse in a chain reaction builds up high voltage. The electric eel is the recognized aristocrat of electric fish. Its shocking organ being $\frac{2}{3}$ of its body length, supplies it with progressive shock that starts at one end of the organ and in series, pulses a peak voltage along its entire length. This organ with 3 parallel parts, even when removed from the eel, will produce about 50 shocks

when triggered artificially. Shelby Shakelford in *Electric Eel Calling* gave these figures on voltage potential: an 8-inch eel is capable of 120 volts of jolt, a 3-foot eel about 300 volts, and a 4-foot eel about 400 volts. There are known to be 8-foot eels and consequently 800 volts of shock. According to Shakelford, a yard-long organ was active for 1/1000th of a second, i.e., the organ had a running pulse at the speed of 1,000 yards per second from head to tail. This though is only $\frac{1}{2}$ the time that a pulse or peak voltage is maintained at any one place in the organ. The pulse runs down the organ as a wave and the front end is falling from peak while the tail end is still rising. The speed of the pulse is about 10 times faster than an average nerve pulse. If the spinal cord is cut, the head end of the organ cannot be triggered to pulse; further down though the pulse can be triggered artificially. The triggered pulse acts the same as the natural pulse, which means that the wave, once started, is self-sustaining as well as is the series triggering.

If an eel died due to an accident, the organ would not activate. If, however, a man of science found the eel immediately following the accident, his conscious desire along with the necessary equipment to trigger a pulse, could make the organ activate. In either case, dead or alive, the eel pulses to the command of Mind and its aids. Atoms can be made to give off great heat without food supply, so also can the electric eel be made to produce natural shock from the same energy source; and once started, the reaction continues until the end of the organ is reached. How long then would the organ pulse if it were expertly hooked end to end into a loop? Would it not perform till the natural state of the organ diminished and was not capable of continued chain reaction?

When we inspect an article by Harry Grundfest in the October 1960, *Scientific American* entitled "Electrical Fishes," we arrive at certain conclusions. The impulse that ends in an electrical pulse, comes via the brain. All the electroplaque cells are hooked to the spinal column and to the brain. The nerve pulse activates the nervated side of the electrical cells, and when this is done, due to the dictates of desire, a special

pre-potential pulse carries across the membrane to the electrical side of the cell, not unlike the small pulse of our heart beat that precedes the larger pulse. When this small pulse enters a standing potential of the uninnervated side, a peak pulse of greater electrical potential causes the standing potential of 80 volts to become 150 volts. All shock-producing organs are similar in that they, like a cell, have a membrane across which contrasting charges play as they do to a degree even in present-day man made capacitors. The electroplaque cell is generally a 4-sided rhombohedron of varying shape. One side of the membrane is innervated, and the other side is not. The electric eel has thousands of these electroplaques in series and parallel hookup, but other fish may have less. One very important fact is that while the organ is shocking, there is a standing voltage potential on the uninnervated side, and when the prepotential pulse and the high electric pulse of the previous cell surges the standing potential, a peak pulse accumulates and this in turn helps to trigger the peak pulse of the cell next in line. But always, like a heartbeat pulse, a lesser pulse precedes the large pulse. When we compare this to other similar phenomena, we will note not only this similarity, but also the fact that these pulses are the end result following high frequency activity that lies toward consciousness and desire. The fact that our heart beat can be influenced to beat by an electrical pacer tells us that heart action in the unseen is electrical and electrically triggered.

Let us consider these facts and relate them, for instance, to the much studied hop of a grasshopper, which in electronic terms uses capacitance discharge to activate "hop" tissue, also to the high speed cavity resonators of buzzing insects that are power producing and power pulsation in combination, and underwater, to the South American Knife fish that produces a continuous signal at 500 oscillations per second. When we relate these facts, we will conclude that if a high frequency driving source is available, then each and every resonator can be a harmonic within the high frequency drive. Also that external and internal local body fields and membranes that are

energy related, can tune in and regulate high velocity, pre-atomic forces to be compatible to many velocities of biological electricity and biological motion.

Our guide to know free energy for everyday use, is to combine several electrical happenings and find similarities that produce power. As all the shock-producing energies of fish are pulse-oriented, then we need to note pulse similarities in other discoveries and relate all of them to a common power source which originates in pulse and reacts to pulsation as well; this source being dual performing Electromagnetic Light. The first to consider is EMP (electromagnetic pulse) encountered in nuclear physics in connection with atom blasts (Chapter 9). Atom bomb pulse is a living pulse that happens between the seen and unseen states of Electromagnetic Light. This pulse activates the standing potential of the power line with its capacitance and inductance, to a higher potential. Applied Living Pulse in the form of a surge, makes that man-made power supply an accumulator, not from some whisp, but from charged Living Light, which is constantly passing through that power supply as through all substances. The same force that is in the atom is the force that is pulsed into the power supply. As this happens to a charged commercial power supply, as well as to the atom and to electrical organs, then the electricity we use commercially and acquire by pumping, is closely related to the atom's energy and to biological energy. There is though, a difference. The electricity we pump is positive, warm electricity, while Nature's electricity is cool as well as warm. Modern science of solid state electronics demonstrates cooler operation than was used in the past, and solid state devices do use semi-conductors, even as is true of many biological electrical organs. This warm and cool factor has also been discovered in other man-made devices.

In the past, even as in the present, there have been many man-made devices (some publicized and some not) that have produced a continual level of power without fuel, and each has utilized pulse, as does biology for the initial and the built-up charge. The John Worrel Keely device in the 1870's was a large motor, described as a vibratory generator and named "hydro-

pneumatic-pulsing-vacue-engine." His personal notes concerning this device and its operation were as impressive as his demonstrations; however, because of the lack of a broad theory to which his device could relate for its cause of drive, and its almost human-like temperament and moods, it was disqualified as a scientific device. Keely developed several vibratory devices in motor form with strong forces in the center. Some were influenced to start by a high pitched, musical note. In Cosmic Science a high frequency sound is seen as a force that triggers a chain reaction to a high density core which can create standing potential.

A series of well publicized devices were presented by Henry T. Moray of Salt Lake City, more than 2 decades before and up to World War II. Unlike Keeley's device, which was a motor, Moray's was electronic. It utilized an early version of transistors, developed by Moray and two men of German descent who worked with him. His device, like the Hendershot, started by an applied high frequency pulse which triggered a natural pulse that charged the condensers. When they were filled to a certain level of charge, a nearly 60 cycle pulse became the driving and accumulating force that always carried ahead of its peak, or spike pulse, a prepotential spike not unlike the small spike that shows up in a heartbeat ahead of the large pulse. H. T. Moray's device produced 5,000 watts of power even in remote areas far removed from any power source that could possibly transfer to it by inductance, and it operated for days without interruption while being observed by scientists of that day.

If we once again review the Hendershot device described in Chapter 9, which was this writer's experience into "free" energy, it too can be seen to utilize high frequency pulse to build up standing potential, pre-potential and pulsing surge which comes back with more force than was injected. We can also relate this to the electromagnetic wave pulse that travels the length of the electric eel organ. The Hendershot device pulse had only two banks and the buildup was upon a forth and back series, rather than a chain of series. The pre-potential pulse in the Hendershot device was that of two bell ringing

coils facing a permanent magnet and wired from ahead of the load to a point following the load. The magnet acted as a spring cushion by facing the ends of the bell coils. Regarding starting, a high frequency pulse that sounded in earphones like the hum of a sea shell, charged the condensers to be energized as is the power line for EMP (pulse).

There are several other devices that could be discussed concerning similarities between biological output of electricity and of past and present man-made copies of Nature. To do so would add little to authenticity as each device was individualized and was of distinctly different design. Hendershot, who was not an electronics technician, told me in sincere confidence, "I do not know why I built the small 1½ volt device, or the larger ones as I did. I built them by inspiration not by design. I put them together piece by piece and was amazed that they worked."

Each of these devices and others not mentioned, had basic similarities that distinguished them from electric generators in common use and from the electricity produced by them. For instance, current caused by these devices will pass through a transformer with thin wire windings without heating, while conventional current of the same flow and voltage will create heat. Light bulbs used for test and demonstration produced a different glow than bulbs conventionally energized. The filament appeared to be a ball of light, rather than the shape of the filament, and even though as bright, they remained pleasingly warm, rather than hot as those lit by conventional house current. To this writer and experimenter, this means that in all cases, electricity without the use of fuel used both cool and warm sides of gravity and magnetism respectively, in a natural manner as is displayed in biology. The cold blooded electric ray is not reported to have temperature problems in spite of high current flow.

To add zest to our mental adventure into free energy, let us consider an unusual experience of mine and note a similarity seen in it to what is known of the electric eel organ. One night in 1957, two friends and I were near Sharon, Penn. overlooking a marsh where strange lights had often been observed. As we watched, an aeroplane flying above a local overcast was heard

but could not be seen. I was not interested in swamp phenomena, thus was looking skyward, when below this overcast a dull red light appeared as though it came out of the overcast about 2 miles away. I had my field glasses along and trained them on the red spot. The red glow, when seen through field glasses on this dark night, divided and became 3 nodes of light rather than one. Between the 3 nodes a play of resonating energy, not as dense as the nodes, made the glow fascinating to behold. The best way I can think of to describe this glow is to say that it was Living Light dancing about between the nodes, and it did seem to the senses to be revolving at a slow rate, somewhat like the spokes of a turning wagon wheel revolved either forward or backward when seen through the eyes of a motion picture camera, which sees the spokes in squirts of vision with each squirt seeing a different position of the spokes. Red is the lowest frequency light that we see with eyesight. Thousands of people have described a UFO as going through the spectrum of light as it accelerates to great velocity. Generally the light disappears following the highest frequency and beyond the range of eyesight. Those who use the meager 1% band of visible light to evaluate total light say that the light went out. Those who remember that vision is limited, know that the ship went deeper into density and beyond our vision. It is as real there as it was when we saw it.

The obvious similarity of what is seen in 3 light-producing nodes on the bottom of a true space craft and the electric eel is that if we hooked the electric eel end to end, we would have a loop not unlike the 3 nodes. The electric eel chain of pulses has to be started by desire—and desire is a characteristic of Life. The organ can produce only a short time after the eel is dead; it can produce continually if the eel is alive. The starting mechanism is that of Life and Life desire. Without Life, even our body becomes dead, and without desire our body, though alive, is as a vegetable. It stands to reason then that tomorrow's free energy devices will be semi-living devices, in that an operator will supply them attunement to Life. A dead operator cannot attune and a dead machine cannot operate. Living desire is at the root of all action.