

Chapter 13

Celestial Harmonics

Resonating, scintillating, oscillating Space plays a tune that is filled with harmonics. Many natural Cosmic harmonies have been discovered and copied by developing sciences on Earth. For example, in a man-made electronic oscillator every basic oscillation has harmonics at multiples of its basic, i.e., an oscillation of 1 kilocycle, which is 1,000 cycles per second (cps), is detectable with a slightly reduced volume at 2 kilocycles, 3 kilocycles, etc. In the electronic devices that put signals into Space, it is necessary to squelch and/or control some harmonics that develop in order to prevent their interference with the reception of other devices using the same space. These harmonics, however, can be amplified and controlled at any chosen multiple. A 1 megacycle basic harmonic can be amplified at its 4th harmonic, and again at say the 12th harmonic, and any harmonic between these can be ignored or squelched to avoid interference. This flexibility of electromagnetic harmonics is man's discovery, but it is Cosmic Law and has always been used in Celestial Harmony.

The laws of electronics and chemistry are parallel at different levels or states of electromagnetic activity. Elements beyond gaseous state are Electromagnetic Light, even as are the electrically charged atoms. The laws of harmonics apply

to elements in a pre-atomic state, and at the atom level, are known as "periodic law" of elements. Any basic quality of gas will show up as a harmonic in a more solid state.

Each harmonic chain starts in a gaseous or light element state and ends in a very dense state of congealment where it is known as a specific element with certain qualities common to its basic. There is a readily available reference in the 15th edition of *Encyclopaedia Britannica* under the listing of Periodic Laws, also under Periodic Tables of Elements such as Nitrogen Group of Elements, Oxygen Group of Elements and others. Periodic laws as now written are a study of atomic numbers, atomic weight, atomic characteristics and also secondary harmonics called ions. This study at local surroundings only, though fascinating, leaves much to be desired as it is a description of an effect rather than a known cause. The term "periodic" relates to a sequence in which atomic numbers and weights of differing, but harmonic elements reappear systematically in steps, even as does the DNA spiral within the nucleus of the cell. Each type of energy relates to contrasting harmonics while also relating to self harmonics. For instance, the main elements in our atmosphere which are vital to Life are oxygen and nitrogen. They supply contrasts to our body. Oxygen is a more congealed harmonic of hydrogen and both are flammable, while nitrogen, is a more congealed harmonic of helium and both are "noble gases" which retard flammability. Basic contrasts are transferred by the arteries to our capillary system and following this transfer the venous system returns the dark blood to the dark side of the heart then to the lungs in a cleansing project of interchange.

The Oxygen group of periodically appearing harmonious elements from a gaseous state to a very dense state are: # 1 hydrogen, #8 oxygen, #16 sulphur, #34 selenium, #52 tellurium and #84 polonium. The side-by-side contrast to these is the nitrogen group: #2 helium, #7 nitrogen, #15 phosphorous, #33 arsenic, #51 antimony, and #83 bismuth. The oxygen group starts with a flammable gas and ends with radiating

polonium. The nitrogen group starts with a noble, non-flammable gas and ends in bismuth which is the strongest diamagnetic known and which contrasts radiation quality of polonium by being electrically an absorber. The oxygen periodic chain and the nitrogen periodic chain are parallel thus:

flammable, oxygen group						
of elements	1	8	16	34	52	84
non-flammable, nitrogen						
group of elements	2	7	15	33	51	83

You will note that the numbers in these two chains are adjacent, and that either group if drawn into a spiral with gas at the top and dense solids at the bottom, will by number sequence, describe a dynamic, whirlwind-like spiral. This spiral is rarified at the gas level and compacted at the stem of the spiral. This is a chemical "black hole" related to gravity, parallel to black holes being detected and postulated in Space, which black holes relate to Celestial Systems. The sequence of numbers drawn into a spiral would be like that of a whirlwind, or like an ice cream cone with a flared top.

Another series of harmonics includes calcium and potassium in contrast. It is well known that calcium and potassium among other alkali, are elements that in electrical charge teeter-totter across a cell membrane and by their polarity cause compression and relaxing as well as stand-by power to cells. The alkali metal group of elements contains the element potassium, #19 on the atomic table of elements, while the alkali-earth (rare earths) group contain calcium, #20 on the atomic table of elements. The two groups start with a light element and end with great density. The alkaline, earth metals, many of which deposits are the skeletal remains of single cell diatoms are: #4 beryllium, #12 magnesium, #20 calcium, #38 strontium, #56 barium, and #88 radium. The alkali-metal group is: #3 lithium, #11 sodium, #19 potassium, #37 rubidium, #55 cesium and #87 francium. The chains of these two groups are parallel, even as the chains of oxygen and nitrogen:

Alkali-earth metal group of elements	4	12	20	38	56	88
Alkali metal group of elements	3	11	19	37	55	87

The compatibility of tension and relaxation that exists between potassium and calcium is present at any level of this string of similar elements and found throughout all of the periodic tables. This division is easiest seen in hard, lustrous metals that are good conductors of electricity and the alkali metals which are poor conductors of electricity, but good storers of it. When one sees the elements from the aspect of an Electromagnetic Light of two contrasts, one sees continuity which at one end is deep in the unseen of Space and at the other end deep in the unseen atoms that in compounds serve us in this experience of Life.

The sequence of harmonics at which the alkali metals appear in the element chain, and the way they border each other in parallel, describes not only parallel contrasts, but also escalating density common to a whirlwind-type spiral in which the rarified is at the top and the greatest concentration at the bottom. Alkali metals are gradually becoming of greater industrial importance; however, if we are to solve biological power (cool electricity) we need to see the contrasts of elements to be parallel to the forces of magnetism and gravity which manifest warm and cool results.

Electronic ignition systems produce a cooler spark than electricity and its inductance coils and condensers. Spark plugs do not burn as readily when connected to a solid state electronic ignition system. Shocking organs of an electric eel, which are composed of a balance of hydrogen, oxygen, carbon, chlorine, potassium, sodium and calcium, produce cool electricity at the biological level which is a higher life style than the solid state. Elements systematically organized in mass, when properly stressed and pulsed, reproduce their cause which is electricity in motion. Elements compress in a planet's ingoing gravity vortex and Galaxies form in a more massive state of compression.

When all energy flow, both great and small, is seen to be within the banks of White and Dark Electromagnetic Light which are equal and opposite contrasts with personalized characteristics and functions, then the element chain can be seen to be a harmonious teeter-totter both in formation and in function. Ordinary hydrogen atoms (which do not have a neutron) divide into two contrasts called "para" and "ortho." The more acidic, para side at its extreme borders the noble gases of the helium chain, and the ortho side at its extreme borders alkaline earth-metals as alkaline metals. Hydrogen and helium, the most abundant elements of Space, are representatives of Electromagnetic Light at any level of elements. For example, the contrasts available in potassium and calcium compress and relax to the command of desire and help create physical motion which by chain reactions is driven by rapid motion of Living Light.

There are volumes of data written about internal interchange of two forces at the atomic and molecular level of energy. As there are only about a hundred different atoms and tens of thousands of molecules which build into far greater numbers of physical forms, then by the example of a letter alphabet contributing the substance for uncountable words, it is apparent that the cause of all substance and form arises from two basic contrasts with specific and compatible characteristics.

The term "periodic," used to describe elements, also relates to periods of change noted in diatoms and radiolarians which are siliceous skeletal remains of single-cell organisms that in steps evolved with Earth changes. These skeletons make up huge deposits in ocean floors and are the diatomaceous earths and rare earths that are known as the earth-metals element group of elements. This evolution, if seen as an effect of Earth's vortex compressing to ever greater density and maturity, will make it more meaningful in terms of both cause and effect.

Past history of Earth's elements and biology reveals evidence of constant, gradual change in elements, biology and life styles. This evidence is not confined to Earth only. Astronomers,

evaluating long-term changes in electromagnetic Space, find evidence of slow, but constant, change in clusters of Galaxies. They also note orderliness common to our orderliness but on a scale of nearly unbelievable massiveness.

Science News, November 20, 1977, was a special astronomy issue. In it is an article by Dietrick E. Thomsen, telling of differences in Galaxies that form within Clusters of Galaxies. A Galaxy Cluster is a Super Galaxy consisting of many Galaxies with a common center. The fact presented was that Galaxies differ according to whether they are in the middle or within the edge of a Galaxy Cluster. The questions presented were, "How and when is it determined what shape the Galaxy shall be, elliptical, spiral or an irregular disk?" and "At what point is it decided which type of a Galaxy is formed to fit a specific spot in the Galaxy Cluster?" The conclusion arrived at is that Galaxies appear to know in advance where they belong, and that the design also is conceivably known in advance. Do or do not Galaxies know individually? In any event, they do seem to know.

If we add another observation that appeared in *Science News*, March 11, 1978, titled "Jupiter's Electrons 'Channeled' to Earth," we can readily see that concerning a Cluster of Galaxies there is local evidence that points to an ingoing vortex and energy flow. We quote in part:

It was discovered from space probes in the mid 60's that among the Cosmic rays, solar wind particles and other motes reaching the earth from space, were streams of electrons whose numbers showed on and off, 13-month periodicity. It took Pioneer 10, late in 1973 to show that the electrons were in fact coming from Jupiter, whose roughly 12-year orbital period means that it gains about a month per year (in terms of solar longitude) on the earth, thus adding up to the 13-month cycle. The Pioneer data also showed the number of electrons reaching earth would drop by as much as 90% for several days at a time.

The balance of the article attempts to theorize how the Sun's solar wind spiraling outward from the Sun, could create return currents in "compressed interaction regions" to the extent that an on and off path from Jupiter to Earth, could exist.

Jupiter and Earth belong in the same system. There are, however, differences which speak of an external cause that parallels the formation of elements that are swept inward toward ever greater congealment. Explorer probes solidify the suspected fact that outer planets of our Solar System are less dense than those closer to the Sun. This parallels the element chains which are rarified at the outer and dense at the apex. Explorer satellites when enroute to distant points in our Solar System, need course corrections as they go. Does this mean that the line of sight from Earth to a distant planet curves although it does not appear to curve? Our latest science of transmitting radio and TV signals is that of using light-sensitive filament to carry a light signal. These fibers can be side by side and each can carry a separate signal. The signals can go around bends and the signal at the end is not affected by the bent path. A space vortex is a complex curved path for electromagnetic currents which, though massive, are not unlike light-sensitive fibrils and biological body nerves. Thus vortices far and near escape our physical detection even though we may be submerged in them.

At this writing some astronomers are drawing theorized "black holes" in Space to be a flared out cone. (Fig. 9) These black holes are considered to be strong gravity centers and associated with normal Celestial Systems. The formation of black holes is theorized to be as violent as the "big bang" theory of beginning. In fact, the two theories are considered to be contingent happenings. Armed with a non-violent theory, we take this same illustration and alter it to have insweeping lines parallel to those of a whirlwind (Fig. 10), we then have in theory a non-violent gravity "black hole," a living function rather than a self-made catastrophe.

Earth being negative to the Sun and gravity-oriented, is a black hole center or apex. Around this apex are strong energy belts called Van Allen Belts. The Van Allen Belts that cradle

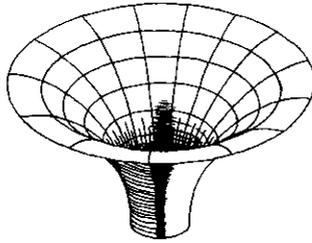


Fig. 9, ICE CREAM CONE SHAPE

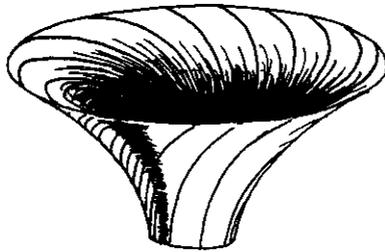


Fig. 10, SHAPE AS A VORTEX

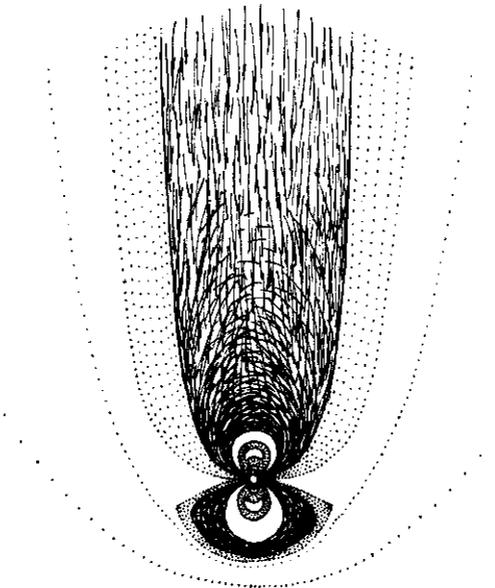


Fig. 11, MODIFIED VAN ALLEN BELT

Mother Earth as with cupped hands having openings toward the poles, have an outer more rarified field of 3 densities. The detected inner layer is called the neutral sheet, the middle layer is named the magnetosphere and the outer layer is called the transition zone. There is a good account and illustrations of what has been discovered and theorized in the 15th edition of *Encyclopaedia Britannica*, under the heading Van Allen Belts. Fig. 11 is a modification of these illustrations. Earth's Van Allen Belts and their outer fields extend only a short distance toward the Sun, but stretch far out into Space away from the Sun. This outer is referred to as the Sun's shadow consisting of trapped charged particles of the Sun, and is theorized to be an effect of Solar Wind going outward. Jupiter's outer field was discovered by an explorer satellite not to be directly away from the Sun, but at an angle. This research is not complete, but the evidence gathered indicated that the outer fields of planets all appear to be at varying angles to the Sun reference. They thus cannot be Sun force "Solar Wind" shadows and cannot be the effect of Sun's spiraling currents outward as these currents align poles which lie at another angle. Therefore the light from the Sun cannot be the direct cause of fields on the opposite side of planets, and we are in a position to adopt a theory that these fields are ingoing vortices within a primary solar system whorl and its swirling currents. Man-made phenomena such as radio, nuclear explosions and chemistry reactions start from a strong nucleus or centralized point of activity and go outward from there. Natural phenomena coming from the unseen and gathering to be seen is a reverse order of man-made phenomena. The end result is the nucleus. When we see the chain of elements that start with gas and end up in great complex density (many of them radioactive density), we see a parallel of planets like Earth as the apex or high density nucleus of an ingoing vortex. The dense Van Allen Belts that cup the planet are then concentrated ingoing Sun-oriented energy, rather than trapped particles from the Sun.

The energized Celestial harmonics that create Suns are of positive balance and the harmonics that create planets are of negative balance. Each depends on the other for contrast to create secondary activity.

Outer space is cold because it does not have a reactive atmosphere. Atmosphere at high altitudes is cold because there is no mass like the surface of Earth to which it can react. Atmosphere consists of microscopic, electrically charged particles which have charged poles. These particles are longest in their polarized direction and resemble very short, charged needles microscopic in size. Like flowers that follow the Sun, these atmospheric needles point their negative poles toward the Sun. Their positive poles in unison, point towards Earth. These poised poles, in the path of fast-moving Electromagnetic Light are accumulators of light energy, and as they point to Earth, the surface of Earth receives their positive charge. Our bodies when in direct sunlight may get what we call sunburn as a result of the deposited positive charge from the tiny atmospheric "needles" that are in contact with the skin. We do not sunburn when in the shade. Sunlight also activates solar cells in the same manner that it activates atmosphere.

When sunlight is obstructed by drops of water beneath a cloud, we see a rainbow. Like a crystal held in sunlight, the rainbow registers bent light (the "needles" do not bend—they swing on their axis). As each bend is at a different angle to us, the observer, we see a color spectrum. The lesser angle of bend represents higher frequency and is violet in color. At the opposite side we see red which is a lower frequency and a greater angle. During the day, especially in bright sunlight, atmosphere is orderly and light. During a dark night the atmosphere is discordant and thus blocks our vision, and it is dark. (Some animals have eyes that polarize discordant atmosphere. We say that they have "night vision.") The moon and stars polarize discordant atmosphere weakly, and we see weak lights at night.

Celestial harmonics are active at every level of the Electromagnetic Density.