

THE PLANETARY SYSTEM

Ideas, Formulas and Forms for a new Culture/Civilization

From Linear to Cyclical Time

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1) THE CYCLE

This essay is a compendium of several papers and offers a new, yet ancient view of *time*.¹

Time is usually conceived of as a *quantitative* or linear succession of uniform instants, indistinctly linking past, present and future.

According to the Eastern and Western esoteric philosophy, time can also be recognized as a 'succession of states of consciousness'², each of which is unique and unrepeatable in its own quality.

The essence of *qualitative* time is unveiled by the idea of the **cycle**.

Cycle is a word that comes from the Greek *kýklos* which means circle, round. It contains in itself the idea of circularity, that is of return, but actually being a spiral, each coil will never see its end match its beginning. This gap or difference, which is the 'step' of the spiral, represents the progress achieved from the qualitative point of view, that is, it expresses the *evolutive* advancement of the cycle.

According to this understanding the cycle, or cyclical time, is a rhythmic vortex of energy bestowed with quality, the *spatial* expression of the motion of the 'states of consciousness' of universal and particular evolution.

Below is the basic hypothesis, synthetically expressed, of the esoteric philosophical thought:

Life, which persists everywhere and always, is the energy that self-generates incessantly, without limits in space or time. In its nature it is *live Space*, the universal container, and in essence *vital Motion* (or Fire).

Such primordial, igneous and dynamic living essence, multiplying or dividing itself unceasingly, moves every point in Space. It advances, rotates and therefore spirals.

Yet the essential nature of Life is to impulse more than evolve; what moves, expands and improves is *Consciousness*, the supreme relation between Life and Space, spirit and substance, energy and matter.

Life, or spirit/energy is unceasingly pulsing, dynamic, propulsive.

Space, or substance/matter, co-vibrates, oscillates, rotates.

Consciousness evolves following a spiral cyclical motion.

Thus the creative vortexes, or cycles, cannot be but **vital, spatial and conscious entities**, that is, they are able to realize *evolution*.

The cycle is the breath and arch of consciousness.

*'Churning is a symbol of cosmogony. He who has accepted so simple a process as the symbol of a great action, has verily understood the correlation between microcosm and Macrocosm. On the physical plane spiral rotation is the basis of the accumulation of substance, and thought also acts in an identical way. From the Summits down to chaos, Space is intensified by the spirals of consciousness. Thought spirally transforms itself into substance, permeating all Cosmos. One must understand and accept the transformation of thought into substance. This welding preserves the supply of substance, for thought is inexhaustible. On Earth much benefit may be reaped from the realization of the substantiality of thought.'*³

According to this initial hypothesis, *each cycle is moved by a unit of conscious life*, it has its own field or sphere of influence and it has a purpose, which is achieved through an organized,

rhythmic and sequential plan.

In other words, the cycle is *the creative spiral of Life* that introduces into Space the energies necessary for evolution, different and qualified, which each form living in it will express in its own way, depending on its degree or power of responsiveness.

The cycle, among its main qualities, has an infinite capacity for 'containing'. For example each *day*, which is a cyclical rotation of the planet, contains all the other past days since the 'mists of time'. Therefore it operates a continuous and progressive action of *updating*, another name for evolution.

Furthermore, despite each cycle in its structure being basically identical to any other, there are countless hierarchies of evolution among them. We can recognize greater cycles that contain lesser cycles.

To study the cycles means to *think* of the purpose, nature and essence of Life.

It also leads to the supposition that the energy of Life has its own *plan* or evolutionary project, carried out to reach the purpose through the constant yet rhythmic production of forms and the progressive evolution of their *quality*.

2) HIERARCHY OF CYCLES AND NUMBERS

If nothing in the *living Space* is still, static or closed, the observation point cannot be either. Whoever measures themselves with the unceasing motion of Life, must be able to set up an open system of perspectives that allows them, through celestial jumps, to follow the numerous, orderly reverberations of its pulse, in this instance its *hierarchy of cycles*. Since everything is in motion, oscillating, vibrating and evolving, the point of view and the vision must accordingly be so too. The supreme capacity of dynamism (=spirit) makes that point safe, paradoxically stable, balanced and free.

In heaven and on earth each cycle, each plane, each world is penetrated and intertwined with others in such a progression of possible and variable systems that ordinary science believes in the god Fate, excluding any possible conscious intention of Nature. Equally, the 'mystic' attitude of many astrologers, for example, makes them short-sighted and disinterested in the harmonious and golden wonder of celestial mechanics, in their laws and cosmic values.

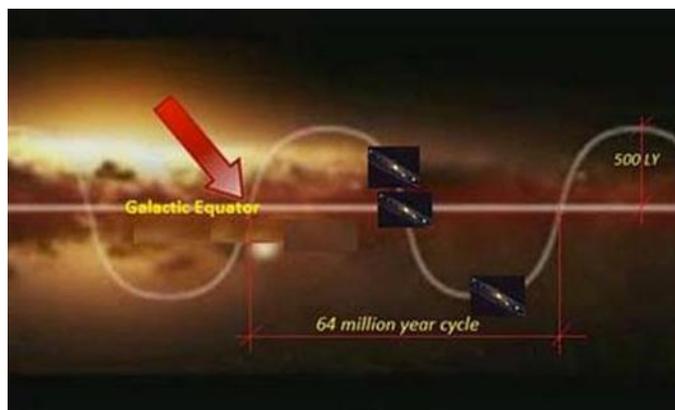
Yet human thought sooner or later frees itself from any limited vision and it advances thanks to the sacrifice and love of some heretic at the voluntary service of Space (Nature, Heaven).

Thought, one of the energies of Life, cannot but stretch to Infinity, to instantaneous flight.

*

Let's continue, then, in this attempt to think of space and time in qualitative terms, circumscribing the 'system of points of view' to the cycles of our *macrocosm*, the Galaxy. Its most significant breaths or celestial motions, according to the exoteric or esoteric consciousness, are:

- *The solar orbit* around the Center of the galaxy (of around 250 million terrestrial years), which accompanies 4 motions of oscillation of the whole solar system above and under the galactic equator (of around 64 million years each, presently directed to the celestial point called *apex* between the Vega star and the Hercules constellation)⁴:



- Sources of the esoteric Tradition⁵ mention a *rotation of Seven solar Systems* including ours ('our local universe') around the star *Alcyone* in the **Pleiades**, the forge of stars or open cluster in the constellation of the Bull, defined as 'the focal point from and in which the Divine Breath, the Divine Movement unceasingly works during the Manvantara', the manifestation. This rotation occurs every 250,000 years, a cycle unknown to ordinary astronomy and significantly in accordance both with the revolution around the galactic center and the precessional cycle of about 25,000 years of our Earth polar axis, originally called, indeed, 'great year of the Pleiades.'⁶

- The *equatorial plane of the Sun*, the plane perpendicular to its rotation axis, tilted around 7° to the terrestrial orbital plane/*ecliptic*, projected to the infinite intersects the *galactic equator* surprisingly very close to the galactic Center, between the stars of the Archer and those of the Scorpion and, at its opposite pole, between those of the Twins and the Bull: *our Sun is well oriented to the cosmic Center*.

At present, astronomy tells us, the line of intersection between the solar equatorial plane and our ecliptic extends between the 9th and 10th degrees of the constellations of the Fishes and the Virgin, with a migration (oscillating back and forth on the 'steady' plane of the solar equator) of 1 degree every 278 years, that is a complete migration every 100,000 years; the relation between these two planes or orientations generates this earth-sun cycle, which *encompasses* precisely 4 precessional years of 25,000 years⁷;

- The orbital planes or ecliptics of the Planets, all more or less coplanar to our ecliptic (except for the eccentric orbit of Pluto, tilted by 17°) are compared by astronomy to a *medium ecliptic*, to which their motions and oscillations are referred. The line of intersection between our ecliptic and the average one, for example, carries out a complete medium rotation in around 150,000 years, 1 degree every 423 years;

- Every Planet has its own *year* or cycle of *revolution* around the central star, the Sun, which extends, among traditional luminaries, from a minimum of around 90 terrestrial days (Mercury) to a maximum of 240 terrestrial years (Pluto);

- Each Planet has also a second lesser 'breath', the *rotation* around its own axis, or *day*, which goes from a minimum of around 10 terrestrial hours (Jupiter) to a maximum of 243 days (Venus), or next longest being 59 days (Mercury).

The periods of revolution of Planets are therefore directly proportional to the orbital width, whereas their cycles of rotation are inversely proportional. The closer they are to the Sun, the more often the Planets revolve around it, whilst their axes rotate slowly; the more they are situated in the spatial depths of the solar System, the more the Planets proceed slowly, whilst they rotate around their axes at a faster pace.

The rhythmic intensity of the two main planetary motions seems to depend in the case of revolution (year, 'field cycle') on the proximity to the Center/solar globe, as if resisting its powerful gravitational attraction, and in the case of rotation (day, 'center cycle') on the attempt of the Planet to incise their energy or identity in order to maintain a peripheral orbital level in the solar field.

*

Flying among the cosmic cycles of our evolving Star in its galactic motion, through precessions and intersection among planes, planetary cycles and human ones, the observation point and scale of values obviously migrate and vibrate on increasingly comprehensive *levels*. The plane of the human horizon expands into that of the equatorial plane of Earth, from there it jumps to the ecliptic of revolution around the Sun, from this to other greater spirals, up to the galactic equatorial plane and beyond, extragalactic, intergalactic...universal.

The mind does not get lost in such apparent complexity if gifted with sense of proportions or ordered vision of the whole, as an eagle eye, as well as with a system and canon of *co-measurement* between the cycles and their respective planes.

This system of *co-measurement*, admirably encompassed by Pythagoras in his philosophy and *science of harmonics* around 2,500 years ago, is the **order of Numbers**, considered not as mere indicators of quantity, but as the 'essence of all things', able to reveal their real nature in spatial terms, as quality or sound: the number three, for example, is the triangle between three spatial points, that is among three *monads* or units of life, which, as the first two-dimensional geometrical figure, is able to *create* and set up any other; it is the third harmonic of the 1 which, in terms of acoustics or organization of the matter, equals a 'fifth', the creative and bright interval par excellence.

Such order of the energy of Life codifies all **spatial relations** in terms of principles, qualities, laws and canons, models, geometries, functions, proportions and directions.

The **Number**, according to this *psycho-mathematics*⁸, is the key to the conscious motion of Life in Space, its **Rhythm**⁹, that flows circularly and whirlpools in cycles.

The Number, therefore, is the vital rhythm, the essence and structure of all spatial Relations. To say relation is to say consciousness; Relations, interpreted in the light of Numbers, become commensurable, consciously intelligible.

To grasp this concept, think of the number as an indicator of the relation of a part to the whole; for example we say three o'clock with reference to midnight; or the month of February as the second month from the solstice; likewise 123° to an initial 0° point. These numbers seem to define a quantity, but they actually specify the *ordinal* position of the division of a circle/cycle with reference to the starting point.

The Unit, the primary number, divides or multiplies itself unceasingly, as Life, revealing the relation, also in terms of quality or state of consciousness, between the origin (initial impulse) and the *degree* (state) of development of the cycle. The *angle of incidence* on the plane of the clock, of daily or yearly rotation, of the ecliptic or other circle, is a significant relation, an interval, an orientation, a quality that science of harmonics teaches us to decipher.¹⁰ The impact of a right-angle (1/4) cannot be qualitatively identical to a straight angle (1/2), or full rotation (1), or acute angle of 5° (1/72).

The Number is therefore the precise tool that consciousness has to measure and understand the infinite.

*

The *point of observation* as well, is in actual fact a number, a unit/monad, a spatial relation. It is a point at the center of a plane or a sphere that measures the relations among spatial entities

according to one's own 'point of view' in motion, or *evolutionary level*, and according to the consequent *reference system*. This system will be more or less open and dynamic in accordance with the ability of the observing *center* to take countless positions, perspectives or indices of measurement. The coordinates of their system will then be able to interface with other coordinates of other systems, up to discovery of the ultimate system of reference systems, the hierarchy of points of view which can commensurate everything according to proportion and *pure relations* which are not conditioned by sizes, spatial or temporal distances or formal differences.

Gradually, the observer identifies himself with the Model which is able to comprehend and justify all points of view, the hierarchy of perspectives, of states of consciousness, of energetic vibrations; he is then free to move, firm at the center of everything, simply listening to and observing them.

He sees and understands the numerical matrix of Space, sonorous and luminous.

Sound directs and guides him among entities, the light of which reveals their relation to the whole. Thus he touches, tastes and inhales particles of infinity, truth and Life.

*

Each vision or reading of the cycles will then depend on the *consciousness* of the observing center, that is on his numeric relation with regard to the Origin, on the psycho-coordinates given by his current 'position' which is his 'state' of consciousness, both in terms of power (Life) and of quality (Space).

Such a *position* or *state* should not be understood so much as a place or distance or a temporal moment, but rather as a relation or *degree* of response to the initial impulse, as a spiral evolution of the original point placed in cyclical motion towards a goal.

Further reflection, following such a *psycho-geometrical* key of reality, leads to observing that in the spiral, or in each cycle, such orbital motion of the point is constantly stretched by the central axis (which is also in motion - translation) through the *ray*. Such a helical and dynamic ray supports the breadth and advancement of consciousness, qualifying both its relation to the Center (power) and its orientation (quality, or angle of incidence on the spiral/cycle).

The tension of the advancing point, expressed by the Ray, both with regard to the central axis and to the Space (orientation) is steady yet progressive, like every creation or conception based in reality, and updated according to the field of service or irradiation.

*

If the point or center of observation, in endless evolution, sees where it is coming from and where it is going, it discovers its own tendency and trajectory, its central pivot and its horizon, and *causally*, ideally, overcomes it, since is now aware of or owns it; it can then read things and their relations in a still relative but real manner, since it was able to describe the system or hierarchy or order among them.

Its 'state of consciousness' becomes, or goes back to being, circular, spherical, spatial, at the center of the infinite and therefore of everything. It *stays*, being in continuous motion, and its ray shoots to the infinite, which is the center of its own heart.

It dances in united breath and unified rhythm with Life itself.

3) THE SOLAR SYSTEM

At this point, if we consider it plausible or if our heart has intimately accepted the idea that Space is *an infinite living entity*, and that the *numerical relations* can describe its rhythms and cycles (also qualitatively), we can now assume in imagination the point of view of our blue Planet and proceed in the attempt to embrace the **solar Plane**, the base and project of our Star and its systemic sphere.

In order to advance, another fundamental requirement is necessary, dealt at length in the fourth chapter. According to this requirement, the visible world is the densest reflection or level of the *spatial or spiritual energies*, organized and irradiating according to a seven-fold model and system:

‘The physical level is as divine as the spiritual one; it is a concentrate of cosmic energies of infinite potentiality. The very modern nuclear science confirms what was guessed in ancient times. The solar System is an ordered, complex, cyclical, progressive, planned whole aimed at a purpose: for this reason there must be a physical symbol that reveals and represents it.

The Cosmos completely expresses itself in all the seven levels; it is one of its admirable laws. What, in the physical world, viz. at the seventh interval, is the symbol that describes the whole solar happening, cycle by cycle, and is both absolute and relative?

Surprising as it may seem, one and one only is the wonderful sign of the majestic life of the solar System:

the ecliptic

The infinite disc of the ecliptic, sum of all the uncountable symbols that are active in the System, is there to tell, remember and arrange the whole immense solar drama.

The ecliptic is the solar Plane. How didn't we understand it before?'¹¹

The ecliptic, the plane crossed by the apparent Sun, but in actual fact by the orbital spiral drawn by our Planet (point in motion) and in radial tension with the Sun at the center, is, in other words, that *Plane of will, love and light* which that Being engraves in Space with its own globe of manifestation, around the volcano of central Life.

By extension and by the coplanarity of the planetary ecliptics, it is the *solar Plane* itself, arranged by consent of superior Designers who, needless to say, we consider and propose as real, live, conscious Beings, rulers of the Planets and the Sun.

Considered as an orbital plane, the ecliptic therefore hosts the *annual* cycles, or greater breaths, through which every planetary Being accumulates and distributes the solar and cosmic life, evolves and achieves the part of Plane that was entrusted to him, trying to progressively perfect his own planetary forms.

Through such a *flight plan*, punctual and infinite:

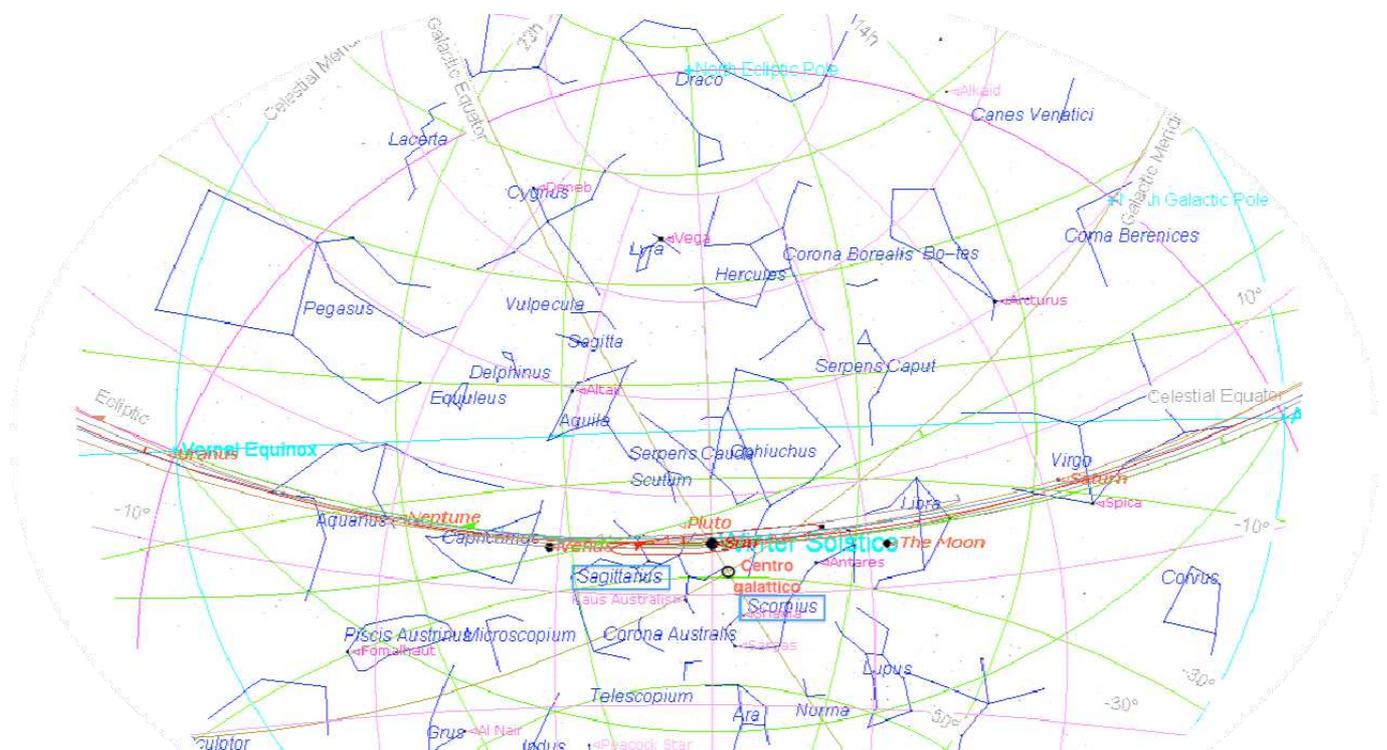
- The planetary Being commasures himself with the other stable and variable *orientations* of his solar Brothers, crossing their ecliptics, and arranging with Them the vibrant matrix and plot of the common solar Plane;
- He thus contributes to the coordinated and progressive advancement of the solar Fleet;
- He meets the fire of other stellar or cosmic Lords, crossing their positions or incidences, wherever they are in the celestial Sphere, yet commasured or projected to his 'solar horizon' (ecliptic);
- He arranges the field of development for his kingdoms and creatures,
- ...

The consequence, extending this to all the Planets, is the vital and consistent layout of

Evolution, the multiform plans and the magnetic vortexes of light and sound recorded by the rhythmic motion of the solar systemic Life.

The rhythm of the *solar Centers*, reflected in the visible world through the combined and cyclical motion of the relative Planets, defines the *celestial psycho-geometries* of the solar System, and the science of their vital and psychic meaning (astrology) teaches us to interpret and reveal them as archetypes of *ideal Formulas*, that is, as causative models and vibrations, on every Planet, of all Forms in the subordinate spheres of manifestation (mental, emotional and physical).

This is the way Heaven communicates Its eternal and dynamic Truth, writing it on the vibrant score of the ecliptics, according to directions and cycles made of Numbers, Sound and Light, revealing in progressive and perfectly coordinated measures the various planetary Planes, as *coordinated perspectives* of the greater solar Plane and of even more elevated or cosmic ones.



4) LIFE, QUALITY, APPEARANCE

This chapter, central or crucial among the seven, requires, because of its number or quality, a reflection on the models of reference, as well as on the style of this document itself.

Regarding the latter it is worth highlighting, once again, that everything is proposed as possible hypothesis or perspective; awaiting confirmation from our individual consciousness, in case that it becomes useful in arranging and updating aspects of our worldview.

A consciousness that is increasingly independent of environmental conditionings does not believe blindly; likewise it does not expect to be merely convinced by its own mental schemes. It allows new hypothesis to enter, verifies their stability and updates itself continuously.

Faith and reason can converse together and support each other, rather than diminish each other to the disadvantage of a balanced advancement in the mysteries of life.

Regarding the reference models, let's consider the substantial and essential identity between *spatial and spiritual energies* as a fundamental hypothesis to understand the relation between visible and invisible, between bodies and celestial entities.

From the esoteric essays of all traditions we learn that the plot of planetary evolution, part of the solar and cosmic evolution, is interwoven in the warp of a matrix common to the whole Universe, arranged according to an ordered and **seven-fold** system of levels of Substance, differing in vibration (=spatial energy) or intensity of motion of their units (which determine their density).

It is held that, among the *seven cosmic planes*, the last one, the *cosmic physical plane* (7th), the densest or of least vibration, is the plane of *manifestation* of the solar Systems, in its turn arranged in seven sub-levels, of which there are 4 *etheric* and 3 *physical*. Astronomy only takes into account the 3 lower sub-levels, hypothesizing the fourth, of this further seventh partition (*systemic physical*), that is, the levels and states of matter which are *gaseous, liquid and solid* (translated into numbers of hierarchic distribution: 7.7: 5, 6, 7).

Let's imagine, if all this resounds, how deeply short-sighted and *materialistic* ordinary science is, and the general attitude that relies on such vision of reality.

Subtler and higher dimensions, or worlds, or spheres are present but unperceivable for the actual 5 senses or instruments of human science, *in every point* of the universal spatial Matrix.

How to contact or measure such more elevated, more intimate, more 'spiritual' worlds?

...Obviously not through concrete notions or instruments, but through similar means suitable to such subtle, rarified dimensions...

Whilst in certain fields the subtler vibrations are definitely replacing the more concrete means (internet, money...), in other enquiries we often don't realize the need to change the 'instrument of measure' and to elevate the point of view.

The dimensions of the universe, for example, are measured by the human mind *quantitatively*, through the effective or alleged speed of the physical light projected in space (light years). Beyond this vision (useful to give to the analytical mind an initial first system for a proportional comparison) there is the esoteric understanding, in which these "sizes" are also *qualitatively* evaluated. For example *distance* and *width* are unveiled and complemented by the ideas of *direction* and *field*, or 'ray' and sphere of influence. The main unit of measure of the physical macrocosm is then a distance based on light *speed*; whilst the different levels or planes of Space are distinguished by *intensity of vibration*, which explains better the wavelength/frequency relation of the world of sound, light and other spatial energies, as essentially *direction/cycle*.

The direction/cycle relation of vibration is the key to jump levels in the higher or *etheric*¹² worlds, or to understand how energy changes from invisible to visible (the relative mathematical terms are *circumference : diameter = pi*, 'transcendent Number').

A point, being or spatial unit that is conscious or master of its own ray and cycle, that is of its

own place in evolution, could pass through the worlds and change tension or level at will, depending on the power and virtue of *pi*, which synthesizes in itself curves and lines, heaven and earth, infinite and finite.

Direction transcends distance and the cycle transcends time.

Direction actually has no extension and is not subject to relocation, it is an infinite pre-existing line, an alignment *activated* by two or more centers in relative motion, irrespective of distance. Furthermore it is the bearer of quality; for example the sun-earth line on the stellar background is different from the earth-moon line, or from the line between the constellations Orion-Ursa Major or between two galaxies.

A galactic revolution is a year for the galaxy, like the annual cycle around the Sun is for a Planet; the same relation between two centers pertains, regardless of time spent, whilst the direction and the spatial and cyclic width, viz., the intensity of vibration, differ.

Furthermore, the width or field depth of a cycle or of a planetary orbit, for example, or of a solar system or of a galaxy, indicates and reveals, from a qualitative point of view, the *hierarchic relation* between the entities of Space; the greater contains the lesser, so a galaxy is a greater globe or field compared to that of a planet or a sun, of course.

Yet, paradoxically, next to this general rule, the esoteric vision of reality also presents a *hierarchy of power*, not necessarily corresponding to physical dimensions. As in *nuclear* fission where we can draw much more energy from an atom than from huge generators of current, the points or units or spatial *monads* are arranged according to their respective "centrality" which corresponds to their power or intensity, since a *singularity* of Life rules and influences any *collectivity* or field, even a constellation, cosmos, or whole universe.

The more intense, the more powerful.

Therefore directions connect centers or points with different potential; that is magnets with a lesser or greater field of radiation and influence.

Furthermore, no center is static in the universe, but everything moves or changes state, cyclically, spirally. Taking this concept to the extreme, such unceasing motion or universal *spirit* is generated and stretches to a Center of the centers, origin and goal of the universe, an Infinite One, live, pulsing, almighty, all-pervading and omniscient, unceasingly and eternally able or powerful enough to self-generate or regenerate.

The direction towards the One, or uni-versal, keeps in its *primordial ray* all the lives or units of Life, arranged by power and quality, or function towards the whole.

According to this perspective, the alignment between two celestial bodies identifies an infinite direction, qualified by the interested centers, the more potential in terms of energetic tension, the more intense and 'inflamed' (thus powerful) are the centers, the more they are able to translate and *activate* the energies captured along such a line without beginning or end.

The result will be a magnetic field, induced by such an electrified path (for example between a planet and a star, or a cluster, or the galactic center), whose width or depth will be proportional to the tension freed among the centers or poles of direction, in the form, we can assume, of alternate or pulsing current. In its turn, the magnetism of the field generated moves the spatial substance which, oscillating, electrifies itself, allowing the emersion of countless new dipoles or magnets able to create countless new directions, spires and spheres of influence.

Each point, center, direction or sphere of Space so intended, is then *more or less a conscious* bearer of Life and Quality. These latter can be *apparent* or not, depending on the grade of material vehicle expressing them, and on the perceptive capacity of the observer.

It follows that the *galaxy*, which esotericism calls *cosmos*, is the apparent vehicle of a cosmic galactic Being or *Logos*, made of substance/energy on 7 cosmic levels, from that very high and very subtle substance of its Monad down to the concrete physical level of its Appearance. Constellations are accordingly the vehicles of manifestation of cosmic Thinkers or Logoi, the stars of solar Logoi,

the planets of planetary Logoi...

Deep inside, or beyond the so called *physical concrete* world, the visible tip of the iceberg, reside unimaginable *spheres* of substance, consciousness and life; spheres or worlds created by conscious Lives in motion in Space, directed by and to higher Centers, according to the free and rhythmic Order of Numbers and their Relations.

Knowing the inconceivable infinity of possible dimensions of reality, far from betraying the responsibility of occupying a link of such an admirable chain, man can look up to the Sky/Heaven, the apparent and fiery Vault of Space and try and think, love and create forms *with planetary, solar, cosmic, universal breadth or measure*. He can follow its motions, rhythms and cycles which highlight directions, relations and possibilities of the spatial/spiritual energies, and can do so by starting from what he *sees* and recognizes in the Life of Heaven, as a relative but real sign, a starting point and base of any revelation.

The centers and fields, directions and cycles, globes and planes – the *spatial signs* – are thus the sacred, sonorous and luminous traces and doors of the *causal* Worlds; what is *objective* is no longer regarded as the only reality that can be experienced, but rather as a source of revelation of the *subjective* worlds of meaning and consciousness, determined by hierarchies of spiritual Beings and Thinkers, creators of the planes and projects of evolution, according to psycho-mathematic laws and rules.

*

According to such a model of knowledge of reality, the causes of every event can be found in the Heaven, that sphere and vault shared by all worlds or lesser globes, which is not merely as it may *appear* but also *qualified and living*.

If we want to understand the real sense of our lives as humankind, we should look at our Planet, our closest abode; then extend our gaze to the solar System; to its greater ‘globe’, the system of constellations where we are; and reach the galactic arm that we are part of (Orion Arm), the whole Galaxy, its local Group and so on, spreading the ray of our vision towards the direction of the infinite Sphere.

It is a natural and legitimate process; likewise, if we want to understand the specific role of an atom, we must go up to the function of the molecule of which it is part, of the cell, up to the organ in the instance of a human organism, part of one of the functional or structural systems of the whole organism, and finally reach the unit-man; atom, in his turn, of humankind.

The enquiries on our celestial Abode and its motions, therefore, seem to start from the natural and irrepressible need to understand who or what we are, where we come from and where we are going. And the esoteric perspective supplies logical hypotheses and analogical correspondences, descending from the universal to the particular, which every responding consciousness can verify by itself, as an observing center of experimentation and co-measurement.

*

Returning to the relation between objective and subjective, in Plato's terms we can state that the solar system is a *form* and, as such, the expression of an *idea*. It is or can be considered as the result of the Thought of a solar Being, just like the person is the result of the thought of the Soul or higher consciousness.

The cause of the visible effect is nothing vague, but rather precise and exact realms to be investigated by suitable means, both objective and subjective, as evinced with every invention or scientific discovery.

The extraordinary evolutions that occur on each planet are accordingly the effect of *Ideas*

spread by the solar Lord, re-formulated appropriately by each planetary Vicar, for the purpose of reaching his collective Goal, accomplishing his Will, in its turn a variation and effect of the Goals of greater Thinkers.

This, as we have mentioned, happens through the Cycle and the Directions, *vibrations* or bridges between cause and effect, between invisible and visible, ideality and appearance.

It has been supposed, with a reasonable analogy, that the process of manifestation (a process actually instantaneous that leads from idea to form) is of a **ternary nature**:

1) Idea. This constitutes the energy coming from a higher plane. Ideas, as Plato taught, are the cause of forms and their model. They are ‘centers of energy’ focused by the solar Thinker (in his turn established on higher cosmic levels) on the fourth *etheric* plane of Its manifestation (7.4 – or animic, buddhic and intuitive plane in terms of esoteric tradition) and fixed as archetypes in the fiery *causal* world (on the first level of the fifth mental or manasic plane: 7.5:1). Together, these levels of energy constitute the so-called *World of Fire*, more and more ethereal (*etheric*) and rarefied as we gradually go up or penetrate in the invisible. As that great philosopher said, we reach the *World of Ideas* through a ‘second navigation’ (metaphysical thinking). The *intensity of vibration* of the instrument of ‘contact’ must be that of the corresponding planes of Substance: intuitive thought;

2) Formula. This is an intermediate entity associating ideas. Pure ideas (atoms) aggregate (into molecules) in order to become thicker at the level of forms. This way they start being covered by a veil of fiery substance. The idea of Man, for example, is the result of several ideas or aggregated atoms. Around the central idea of Humanity, others gather, such as Self consciousness, Intelligence, Co-measurement, Uprightness, Centrality, etc. *Ideal Formulas* can be picked up by the *causal* consciousness (7.5:2-3), that level of abstract thought beyond normal mental circuits;

3) Form. This continues the process of transformation of energy into force, potencies into precipitates, through the thought forms of the *concrete* mind (7.5:4.7), the emotional forms (7.6:2.7), down to the etheric and physical ones, i.e., the lower layers of gaseous, liquid and solid matter (7.7:2-7). The form is born. Thus the manifestation, viz. Appearance, is completed through the *subtle Worlds* down to the *concrete World*, and the idea is embodied specifically, suitable to places and times prescribed by the Cycle.

*‘All is first built in the Fiery World, then lowered into the subtle body. Hence, whatever is created upon Earth is only a shadow of the Fiery World. One should firmly keep in mind this order of creation’.*¹³

*

5) TRIAD OF CYCLES

These different stages, actually unitary, of ideation, formulation and formation on the part of Thinkers of the solar System correspond to as many *classes of cycles*.

The quality and substance of the various cycles are therefore different depending on the tension of the causing Thought.

The solar Thinker, whose consciousness is able (as we can deduce by analogy) to pick up cosmic Formulas, thickens these energies in His own solar Ideas; they are associated in Formulas through His mental vortexes and those of the planetary Entities, the Formulators; these energetic vortexes or spirals are reflected (through correspondence and conformity) in the effective cycles of their vehicles, the Planets. Such *solar Centers*, with their subjective and objectives rhythms and motions spread the solar Ideas associating them in Formulas, which finally precipitate in Forms.

The hypothesis that arises is that this happens through:

- 1) The cycle called *synthetic*;
- 2) The *composed* cycle between planets;
- 3) The *simple* or planetary cycle.

The first of these is formed by all motions of planets that embody Luminaries called ‘sacred’ in esoteric tradition¹⁴, i.e., higher in terms of evolution; from here originates the name of *synthetic*. It is the most powerful and the widest, therefore hierarchically superior. It rules the energies of Ideas.

The second is generated by the action of couples of Luminaries. It is up to the composed cycle to manage Formulas.

The third refers to the cycle determined by revolution of each individual planet on its own orbital plane. Through this, every world, collecting energies spread into the system by the other cycles, creates its specific forms, responding to those impulses in a peculiar yet coordinated manner.

[*Despite often using the present tense instead of the conditional (for ease of exposition), everything is intended as material for possible reflection, study and experimentation.*]

1. The synthetic Cycle of 840 years

The synthetic cycle consists of the *least common multiple* among the periods of revolution of all the sacred Planets.

Below are listed the six sacred Planets (the seventh is identified with *Vulcan*, a Luminary not yet recognized by science, very close to the solar disc) with their corresponding motions of revolution (compared or measured in earthly cycles, days or years), approximated according to harmonic criteria of co-measurement:

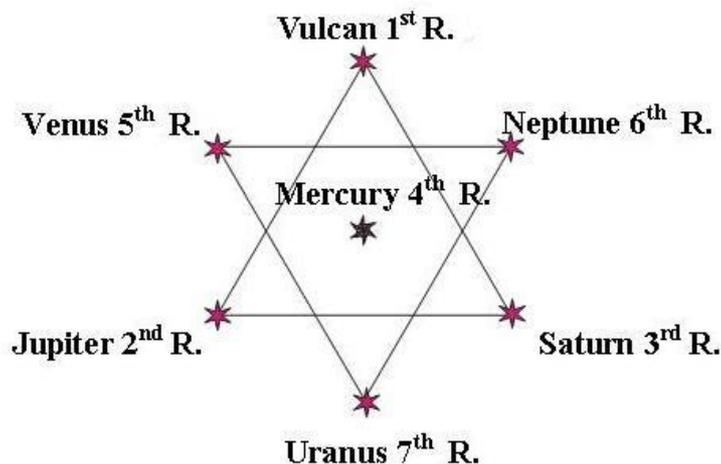
(Vulcan: 19 days?)
Mercury: 90 days;
Venus: 225 days;
Jupiter: 12 years;
Saturn: 30 years;
Uranus: 84 years;
Neptune: 168 years.

This is the order which we find them in as we go farther from the Sun, according to their seven orbits.

Let's re-arrange Them again, choosing as criterion the Seven qualities or functions expressed by such solar Entities, that is the orientations that spatial energy (spirit) takes in Them, directions indicated as the **Seven Rays**:

- 1st Ray: Vulcan – Will – Proposition – Center of the head;
- 2nd Ray: Jupiter – Love – Field – Center of the heart;
- 3rd Ray: Saturn – Intelligence – Plane – Center of the throat;
- 4th Ray: Mercury – Harmony – Models – Center between the eyebrows;
- 5th Ray: Venus – Manifestation – Work – Sacral center;
- 6th Ray: Neptune – Communion – Ideals – Center of the solar plexus;
- 7th Ray: Uranus – Order – Organization – Basal center.

They can be arranged and compared, by symmetry of Number, according to the seven centers of a six-pointed Star, thus making the spatial archetype or psycho-geometry of the *solar septenary System*:



The synthetic cycle, we were saying, is the result of the least common multiple of the revolution motions of the six planets. For Vulcan, at least for now, we don't have the proof of a measurable revolution motion.

The *least common multiple* is the smallest among the common multiples of all the numbers given. In this case it is **840**. In other words, it takes 840 (terrestrial) years for all the considered planets to find themselves in the same initial position, thus concluding a 'group' cycle, starting from any moment.

Actually this statement is not entirely correct; indeed, if we want to check through the ephemeris, we would find that the planets deviate from their initial positions. This is due to the fact that the considered motions, as we said, are *harmonic* and not arithmetic; therefore they are slightly different from the astronomical motions, even if only by negligible percentages. Secondly, as we have already highlighted, every motion is always spiral-like, so that no cycle, whatever its nature, closes on itself. So in astronomical considerations as well, we should keep in account the normal advancement, which in such a long period of time, especially for the fastest planets but not only for them, means a movement of several degrees. But of course this doesn't invalidate the basic hypothesis.

The worth of the relevant harmonic values lies in the fact that in 840 years we can count a

whole number of revolutions (that is of harmonic cycles) for each planet, therefore the pure numbers of such a *co-measurement* are:

5 rotations of Neptune;
10 of Uranus;
28 of Saturn;
70 of Jupiter;
1344 of Venus;
3360 of Mercury.

Thus we can properly consider this cycle of 840 years as the *first synthetic cycle* among the sacred Luminaries¹⁵, able to highlight their *factor of co-measurement* expressed in the number of rotations contained: 10 for Uranus, 70 for Jupiter, etc. Such Numbers reveal, in the form of pure relations or harmonic intervals, the type or quality of the *co-measurement* with the greater, as well as the frequency or intensity of motion of the various solar Centers in the unitary Cycle (for example: the 5 of Neptune as well as the 10 of Uranus build, with regard to the mother Cycle, the *psychogeometry* of a five-pointed Star, the constructive, formative and proportioning function of the golden section, which in Harmonics correspond to the vibration of the Third, that is the 5th Ray, the Builder of Manifestation).

- *The Choice of the Beginning*

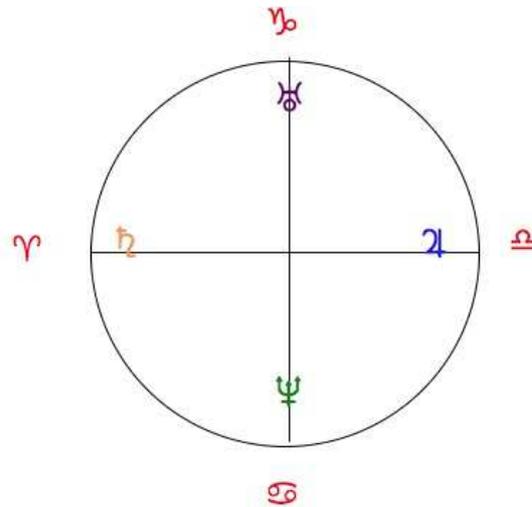
In order to see our cycle at work we must choose a point to start at. There is a general rule, easily recognizable: a cycle can start at any moment.

At the same time, though, we must be aware that there are spatial configurations or *psychogeometries* that, better than others, bring and exalt the power and quality of the beginning. In the annual cycle, for example, there is no doubt that solstices and equinoxes correspond to as many doors or starts. But also, of the four moments, the December solstice and the March equinox have a stronger quality of initiators, propellants, because they are associated to cosmic cornerstones¹⁶.

Similarly, it is necessary to trace back a systemic planetary configuration that presents similar initiatory qualities.

The *starting point*, despite being an 'arbitrary' choice in the sense above explained, qualifies the value of the whole research, as well as that of further steps and developments. If, using the previous example, we opt for the December solstice, we will identify and exalt the subtlest qualities hidden in the cycle. Or if we choose the March equinox, the result will highlight the tendencies towards the evidence, the openings towards the manifestation, because the beginning is identified with the moment of exterior birth, the explosion of the form.

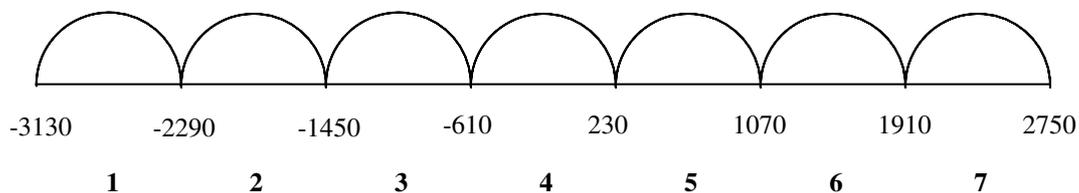
The year **1910** presents the right requirements. Jupiter, Saturn, Uranus and Neptune, the giant Luminaries of the Solar system, are in the so-called *Cardinal Cross*, which is associated with cosmic cornerstones and which at present supports the Cross of the 4 beginnings of the annual cycle (solstices and equinoxes). The four *deep* Planets, as they are called for being the farthest from the Sun, but also for their slow motion bringing about persistent and penetrating causes, ignite the center with their crossings, freeing propulsive energy to 'the four corners of world':



The whole sphere of the solar system is included, due to the width of the planetary orbits concerned, and is effectively a Heart divided into four parts able to generate the power of a new solar beat or impulse¹⁷. But such a Cross is also an aerial and a target, a dynamo and a goal.

Starting from this date and going back in jumps or cycles of 840 years, at the sixth beat we will find ourselves in the year 3130 B.C., around the time conventionally considered as the beginning of our documented history. It is the time of Egyptians, Sumerians and Babylonians. Towards the future, we need to add a last section from 1910 to 2750.

These rhythmic beats have been defined **solar Days**, in analogy with the minimum planetary cycle of the day, and their whole **solar Week**.



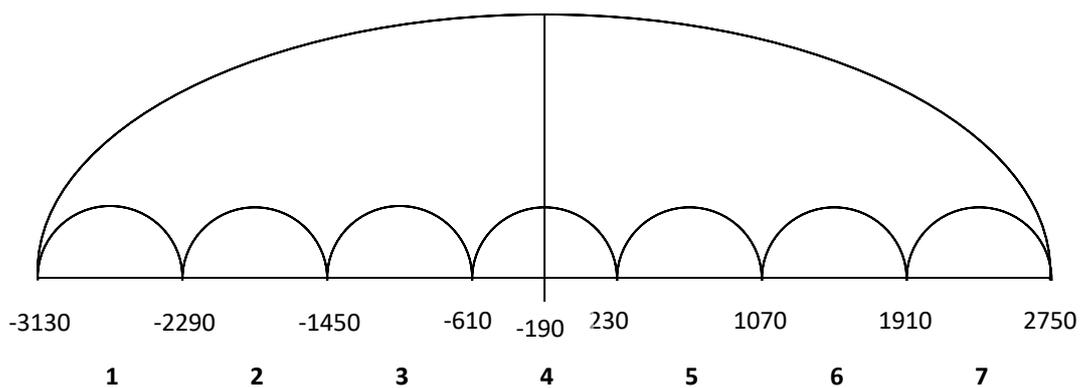
Identifying this cycle allows us to study history in a completely new way. First of all it is possible to indicate the number or substantial quality of each historical age. The period that goes from 3130 B.C. to 2290 B.C., for example, has the qualities of the 1; therefore it preserves the purpose of the whole cycle and is equivalent to a foundation of principles. Just like the number 1 that contains all the other numbers, the cultures of that period contained everything; the peoples that lived during that remote era have nothing primitive about them, on the contrary they are splendid and mysterious (or rather mysteric) civilizations which we still refer to in order to understand our roots.

Just to give another example, the fifth era (230-1070 A.C.) recalls the qualities of the number 5 and of the harmonic interval of Third. Thus we should expect emphasis on ramifications of complementary polarities (dualism) and to the fixation of thought forms on the mental plane¹⁸. Historically, in actual fact, it coincides with the clearer and clearer identification of two great currents of antagonistic, yet complementary, forces; Faith and Reason (Religion and Science) or, in other words, intuition and concrete, metaphysical and physical mind, already started by Greek philosophy in the fourth central and crucial era.

To examine history through its celestial cycles means also to let precise symmetries among different periods emerge that would have been impossible to identify otherwise. The first day recalls the seventh; the second has clear resonances with the fourth and sixth; the third is reflected in the fifth. The undeniable similarities and evident retracements also highlighted by critics and orthodox scholars thus illustrate such possible origins of resonance¹⁹.

The climax of the energies of the cycle is found in its apogee, that is the middle point, moment that balances in itself the top of the ascending energies and the minimum of the descending ones. It has the properties of the *four*, the middle between the seven, and it propagates the harmony among opposites, that is beauty, balance and symmetry. It has the task of reflecting the energies of the superior ternary in the inferior one; that is to reflect the first three eras in the last three. In the solar week it historically coincides with the period from 610 B.C. to 230 A.D.; it is the Greek and Roman period.

The fourth era is the highest point of the cycle and it is undeniable that the two civilizations born in it confirm this. All blooms in its highest splendor. In actual fact the fundamentals of thought are focused through philosophy; they scan with unsurpassed efficiency every field. Such power equally characterizes the east and the west. At the same time, great thinkers and teachers cover different horizons of the earth: Lao Tse, Confucius, Pythagoras. The doctrine of ideas that live in the fourth plane of Substance is revealed to the world through Plato.



The apogee of the fourth era falls in 190 B.C. Thus the Roman civilization originates and develops during the descending phase. Compared to the Greek world, the Roman world is doubtlessly more concrete, spiritually less refined, but it erects itself entirely on the Greek greatness, inheriting its culture and knowledge manifested in new and different forms.

Also during this solar Day two extremely crucial events, from the point of view of the inner or spiritual culture of the whole human history, occur; the appearance of the Buddha and the Christ.

It is said that Buddha was born between 500 and 567 B.C., therefore around the beginning of the fourth era and at the end of the first half of the week. The Christ, who certifies and teaches the Laws of Love next to those of Wisdom of his predecessor, appears in the descending stage of the fourth Day, viz. at the beginning of the second half of the solar Week. The Buddha ratifies and leads to the glory of the first half of the solar week, passing the baton to his great Brother Christ.

Also for reasons of cyclical symmetry we can then welcome the indication of the Return of the great Master, announced by all esoteric traditions; He comes to finish what He started with his first coming, at the beginning of the second half of the solar week, reappearing at the end of that great cycle²⁰.

We end these short notes of historical analysis with the period we are living in. According to the hypothesis, we are in the Seventh Day, the cycle of emersion and test. It represents the accomplishment of the great cycle of around 6.000 years and it is strictly connected to the 1, the First Day, which it must express and achieve properly. It shouldn't appear as a coincidence that

historical knowledge from Egypt, always exalted and idolized even from ancient peoples, start around the end of the 18th century. Neoclassicism first and the Napoleonic campaigns later, with the beginning of majestic excavations, start perusing the pages of that ancient and wonderful people.

Thus victory is due on the seventh day. We are just at the beginning, turning over the soil to build the foundations for the new temple.

By qualitatively dividing the seventh solar Day in 12 beats/months of 70 years each and in 4 seasons, what we are experiencing in this beginning of the third millennium is the slow reawakening from the winter that goes towards the beauty of spring (2120). The energies of this moment, then, are not the crepuscular and tired ones of the sunset, as the signs of the actual decline would let us think. On the contrary, they reflect the upturning of the exhausted soil and the necessary wintery incubation of the new seeds that are germinating in the invisible, for a next 'universalizing' blossom (the quality of this 1980-2050 phase is that of the Sign of *Aquarius*, that of the coming Era and the current 2nd month of the 7th solar Day). The Earth is preparing, then, to share and mould this momentous triumph.

This is an example of how far the study of the solar rhythms is able to take us.

The synthetic cycle of 840 years, as we proposed, distributes in the system the solar Ideas, the centers of energy or main magnets of evolution, whilst the composed cycles (between planets) assemble them in Formulas. Such spatial/spiritual energies then land on the solar horizon of each Planet (orbit) that translates them into applied forces and finally into Forms.

Thus, human history must be one of the results of the impulse of those energies; the *tendencies* of its events and forms veil and reveal the contribution and the role, on the level of human kingdom, of our Planet in the great solar Plan.

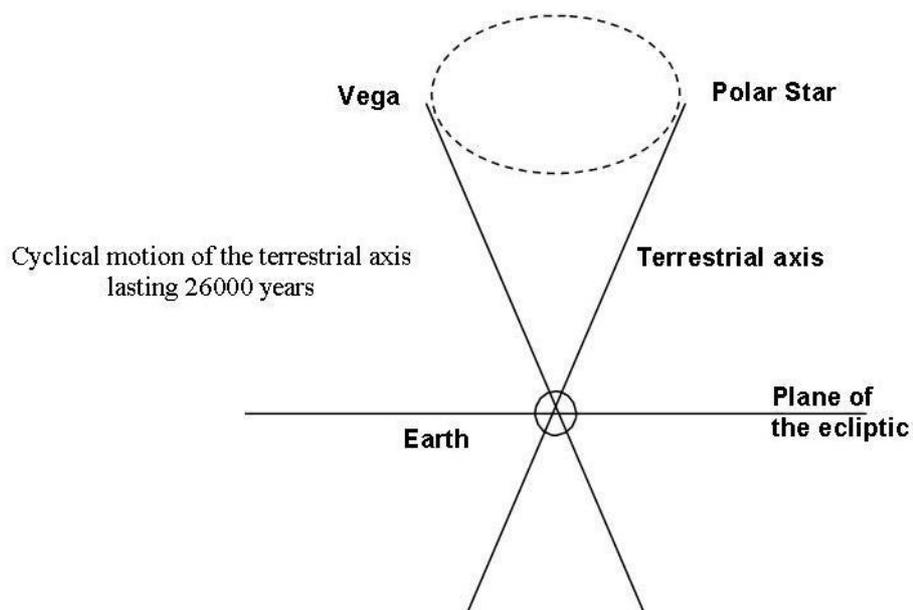
- *The Cycle of precession of equinoxes*

Before dealing with composed and simple cycles of the solar system we need to introduce the wide peculiar cycle of our Planet, which marks and uniquely qualifies the incoming energies. It is the cycle of *precession of equinoxes*.

If we want to understand the nature of events in a causal sense, as we are trying to do, we must necessarily take it into consideration, because it is the *basic quality* saturating all events at intervals of around 2000 years.

As we know, our planet has a rotation axis steadily oriented towards a point in the sky which is at present the Pole Star in the constellation of Ursa Minor. This axis is not simply a geometrical factor, as it is usually said. If we realize that in Space everything is living and has qualities, in other words functions that express as many principles, we can match the axis to the spine of the planet, the channel that embodies and distributes its will along a precise *direction*, pivot or hinge of the rotating spiral of the planet.

This fixed pointing of the polar axis is nevertheless relative. In fact, as already touched on in chapter 2, the direction of the poles also carries out a rotating motion, with a tour lasting around 25-26,000 years; the terrestrial axis performs a conical movement, like a spinning top loosing speed. This means that the direction of north or south indicated by the axis changes in the long term.



In the past, at the time of the Egyptians, it pointed to the Alpha Draconis; in the future, in around 13,700 years, for example, the shining Vega will be the new *steering star*.

The consequence of this motion is the *precession* of equinoxes. The projection upon the ecliptic of the terrestrial axis, when the latter tilts directly toward or from the sun, occurs at solstices, the days of longest or shortest light. Perpendicular to that projection and intersecting it at the sun, is the line of equinoxes, the days of maximum balance between day and night, between light and darkness. If the axis shifts, the four Solstice/equinox points must also shift. Every year the equinox slightly anticipates (precedes) its prior position. Around every 72 years a degree is lost; therefore approximately every 2,160 years there is a change of Sign²¹, culminating in complete revolution around the Zodiac in ideally around 26,000 years, in fact in about 21,000 years (called the *platonian year* or *year of the Pleiades*).

This is the cycle that highlights the present disparity between sign and constellation, between astrology and astronomy. During the equinox or first day of spring (autumn for the southern hemisphere) we say that the sun is in Aries. In actual fact, at this equinoctial day, one could see it from Earth in the corresponding constellation around the 2nd – 1st millennium B.C. Now, at the same instant, we see it more and more leaving the stars of the Fishes and arising in the region of the Water Bearer, therefore moved by several degrees (around 30° in astronomical terms, but of two signs in terms of astrological quality: Aries→Pisces→Aquarius).

In a solar Week, which as we have seen covers around 5,800 years, this cycle weighs in significantly, representing the basic quality of the spatial energy within which all terrestrial events are forged; a quality determined by just those stars seen from the *starting point* of manifestation, the equinoctial cornerstone in March.

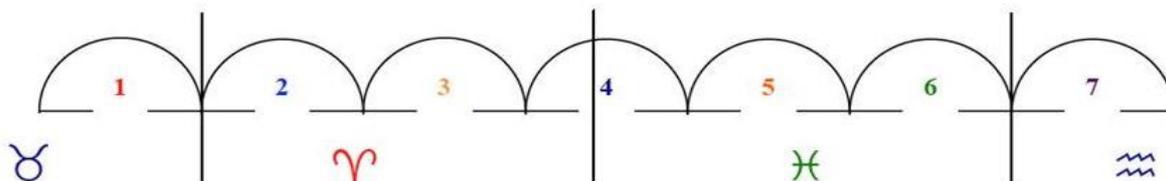
History thus preserves strong testimonies of the succession of eras impressed in their symbols: the Minotaur and the bull Apis in the Cretan and Egyptian civilizations (Bull, Taurus); the ram-headed sphinxes among Egyptians and the goat in Hebrew history (Ram, Aries); the fish of the Christ (Fish, Pisces) and the man with a pitcher on his head announced in the evangelical tale of the last supper, clear reference to the servant of Aquarius.

Evidences of its arising energy are already widespread and mixed to the ‘emotional’ energies of the setting era of Pisces; movements, ideologies and tendencies most varied seem to gather, whether right or wrong, under this common flag. All terrestrial events are immersed into these new spatial waters and the whole planetary project must be, so to speak, updated. Aquarius is

the sign of service, group energies, universalization, communication (via 'air' or ether) and it spreads energies of fifth quality or fifth ray, corresponding to the mental plane, science, right or golden relations. Man will have to learn, in the next 2,000 years, to *cooperate* intelligently, globally and consciously in order to support the new energies conducted by the cycle, and not suffer the repercussions of a drift against the tide.

Humanity can live consciously and harmoniously on the planet and in the heavens.

From the beginning of history and of the solar Week three changes of era have occurred. Each time this has required adaptation and innovation:



The analysis of this cycle, which is only hinted at here, seems to open many doors for the understanding of the *purpose* of our planetary Logos. This purpose is constantly and progressively re-formulated in new directions and evolving projects, and gradually achieved through their precipitation into events and forms in its present instrument of expression, the Earth.

The whole solar Week, of which we have just begun the last Day, conclusive and glorious, is therefore placed between the two constellations of the Bull/**Taurus** and the Water Bearer/**Aquarius**, which represent its alpha and omega. They trace, with their infinite directions, the two arms of a Cross that squares the circle of the zodiacal horizon through the Platonic Year. Not only that, the present passage from the era of Pisces to that of Aquarius requires that the direction of the vital axis of the solstices is precisely convergent to the Direction between Sun and galactic Center, between the constellations of the Scorpion and the Archer/Sagittarius. Therefore it is a time where cosmic cycles and directions cross with solar and planetary cycles.

Unique times.

The Bull and the Water Bearer correspond to the two signs of the *Fixed Cross* Taurus and Aquarius, which bring, according to the teaching passed on by Esoteric Astrology, energies of fourth (Taurus) and fifth ray (Aquarius). These are the fundamental energies of the Harmony through conflict and of the golden Construction, basic energies that imply and feed all the planetary events of this precessional quarter turn and the present solar Week. They are also the rays attributed to the *human kingdom*, and perhaps we might suppose a cause-effect relation between the former and the latter, which is accentuated in this period between Taurus and Aquarius.

In any case, this seems to confirm that all evolution of present humanity is based on the perfect fusion between heart (4) and mind (5), between art and science, between illumination and service, between centrality and ramification. Again, the great Avatars we mentioned earlier seem to embody the essence of the two Signs: the Buddha, the Enlightened, clearly recalls the Light of Taurus; the Christ, once arrived as the Savior (Pisces) is now expected to represent the perfect universal Servant.

*

The historical study of cycles, as embryonic as it still is, has already revealed its great value. Through the cycles it seems possible not only to investigate the true causes of history but, as it is imaginable, to find the traces for the future. Man has always pursued this healthy aspiration, being certain, deep down, that sooner or later all is given to those who ask and seek for the truth with pure intentions. Thus, with joy and courage, set out on the same path, we take over from that long sequence of researchers who, through all ages, supported evolution²².

2. The composed cycles between planets

The hand of the qualitative clock of the twelve terrestrial eras now points between Pisces and Aquarius, expressing a mood of strong transition from values marked by devotion, emotion and materialistic desire to others tending towards globalization, scientific mind, service and the universal.

We must keep in mind this basic quality, which colors events and forms in our planetary sphere. These, according to the hypothesis, are forces transformed by the planetary Being starting from the quanta of energy of the Formulas decreed and assembled by the planetary **composed Cycles**.

So keeping on the background this terrestrial global aspect, as well as the Seventh solar Day as the orchestra conductor, let's go into the detail of the main Cycles of the solar System and present the scores that guide its building harmonies and melodies.

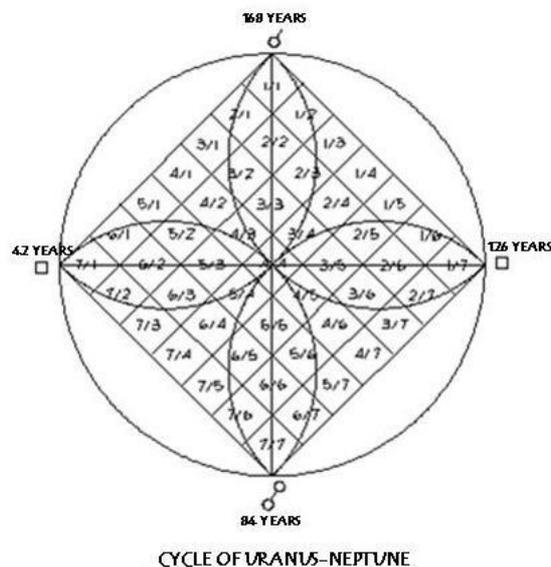
We will also attempt to codify into formulas of thought these sonorous and luminous architectures, set up by the celestial Rhythms, in order to daringly sense, foresee and support the Plan of planetary and solar evolution. In order to admit and welcome such *reading of the Heavens* the researcher will have to investigate and study the values attributed to the Planets, the Signs and their spatial relations by (esoteric) astrology, part of that *Science of the Seven Rays* which, especially for the 'western' mind is supported and explained by the Pythagorean code of harmonious intervals. Then he will be able to see, and possibly confirm in his heart, the analogical correlation between the celestial *syntax* and human language, in order to tune himself to the Music of the Spheres and to interpret its scores.

*

The hierarchy among the planetary Cycles is in terms of width or depth, concerning not only their relative sphere of influence and capacity to encompass the lesser cycles, but also the greater or lesser persistence of causes and formulas.

There are **15** possible couples among the seven sacred Luminaries but there are three *primary composed Cycles*, among which the first or greater is between:

1) **Neptune (6th Ray) and Uranus (7th Ray): *The square in the circle*** – it is the cycle that frees *the solar Communion and Order*.



Neptune and Uranus *conjoin* around every 170 years (or 168, the year of Neptune and the harmonic double of the year of Uranus), 5 times in a solar Day. This vital and causing impulse liberated in the solar Space traces, conjunction after conjunction, points or directions in the same Sign or in the following one, needing 3,600 years to touch all the 12 sectors of the Zodiac. *Seven* of these turns of primary conjunctions between Uranus and Neptune are therefore contained in a terrestrial precessional Year: the seven Cycles Uranus-Neptune seem to divide the 'terrestrial precessional Week' into seven Days or *sectors*.

Their revolution periods (168 and 84) are in a 2:1 relation or interval of Octave, consecrated to the value of the Field. While Uranus 'goes up and down' every 42 years, Neptune 'squares the circle'. Every 42 years their reciprocal angular relations (conjunction, squaring, opposition, squaring) trace the vertexes of a square, the archetype whose "*simplicity symbolizes the static quiet of the manifestation, always marked by a quaternary, which is the form of forms.*

Such a great, elementary and omnipresent cosmic figure, inscribed in the (nonexistent) circle of the Zodiac is similar to the stage mounted for a representation where humanity, the fourth Actor, carries out the 'squaring of the circle', making the Earth more and more similar to the Heaven and mirroring the latter in the former, according to its noble universal Function. [...] the square city with the four doors connects exteriority to the divine immanent; the structure of the maximum or minimum systems is only one, and it is a universal reality. Rich with this knowledge we will be able to trace steady lines among Center, circle and square and thus to experiment with new constructive forms.

For the moment, we contemplate the beautiful vision, under the aegis of Neptune, Master of the solar community, and of Uranus, Master of ritual hierarchies."²³

The sacred Luminaries Neptune (6th Ray on 7th Orbit) and Uranus (7th Ray on 6th Orbit), then, establish the solar field and scene, renewing with their synchronized powers and motions the cornerstones and rules of the solar Community, according to the four beats of their Cycle inscribed in the Zodiac.

Their opposition of **1910** between Cancer and Capricorn, beginning of the Seventh solar Day, is mirrored in their conjunction in Capricorn of **1993** (the previous one was in the 'revolutionary' 1821 in Capricorn and the next one will be in Aquarius in 2164), primary impulse of present systemic cycles. In analogical formulas this is a new initiatory rhythm exploded over the end of the millennium of our Planet, culminating the tension accumulated through the 20th century and starting the new great Cycle of restoration and rebirth.

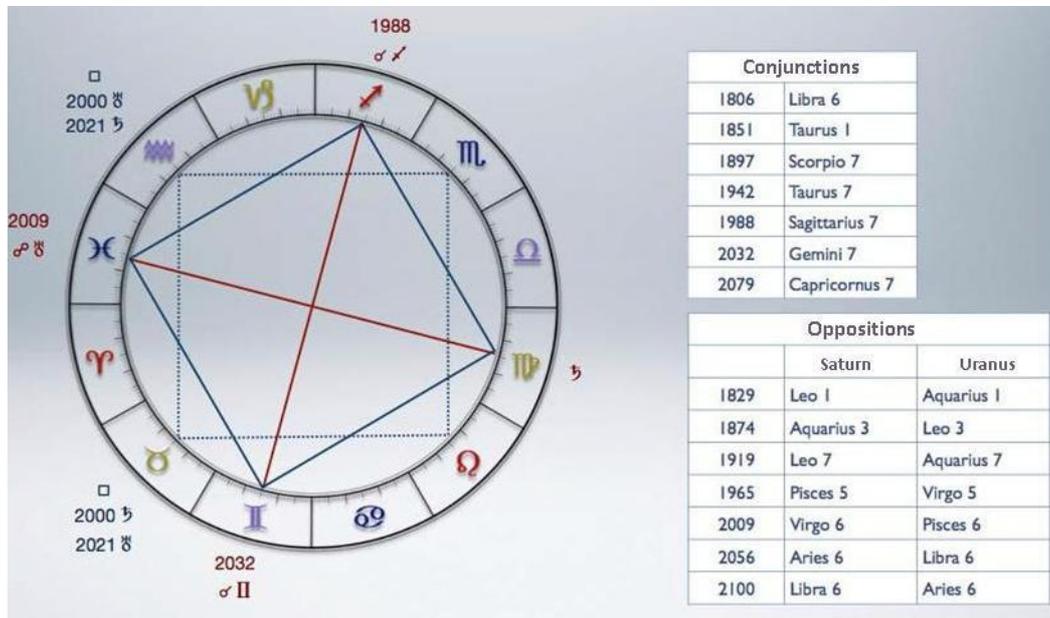
The exceptional coincidence between the present axis of solstices of the cardinal Cross with the direction to the galactic Center magnifies the power and meaning of this conjunction in the initiatory Sign of Capricorn, as well as their previous opposition (1910) along such a primary cosmic Direction; the 'cosmic traction' ends a cycle, its type of consciousness and its calendar (Maya²⁴) and starts a greater one.

Putting at the top the conjunction between Neptune and Uranus of 1993, we understand how we are experiencing the quarter cycle (from 1993 to 2040) where the Two are simultaneously descending towards the *valley* of Cancer (now Uranus is in Aries - from 2011 to 2018 - and Neptune in Pisces since 2011 to 2025). From 1910 to 1993 Neptune went back up from Cancer to Capricorn whilst Uranus carried out his whole year from *top* to *top* (Capricorn): in the 20th century their simultaneous motion broke the stiff forms of the previous cycle and dissolved conventions, customs and habits; now, after the shattering part of the action, Neptune helps the new social combination whilst Uranus consolidates the new rules of general cohabitation.

The energies freed by this first composed Cycle (Neptune-Uranus) *descend from the Summit to rearrange the planetary Societies.*

2) **Uranus (7th Ray) and Saturn (3rd Ray): *The cross in the circle* – the cycle that gives the *Rules of Synthesis*.**

Uranus and Saturn conjoin roughly every 43 years, 19-20 times in a solar Day.



The solar Organizer (Uranus) and the Planner (Saturn) trace through their progressive angular relations the quaternary figure once again, but in the shape of a cross, since the two following similar aspects (for example two conjunctions) occur in opposite Signs, ‘piercing’ the center, intercepting all the six axes or directions of the zodiac opposites in a greater cycle of about 300 years.

Indeed, whilst the conjunctions of the first cycle trace the point, in the case of this second Cycle they trace the line, the zodiacal axes. The greater Cycle *circulates* and contains, the secondary one *goes up and down*, straining the opposites and synthesizing them at the center.

Their most recent opposition in 2009 between Pisces and Virgo worked as a break between the conjunctions of 1988 in Sagittarius and of 2032 in Gemini, all Signs of Mutable Cross, or of changes. As a propeller, the Mutable Cross moves and feeds the new rules of the Heart (the center of the cross of life): *the Synthesis is obtained at the Center between opposites and currently through unceasing motion, transformation and research*.

3) **Saturn (3rd Ray) and Jupiter (2nd Ray): *The six and five pointed stars* – the cycle of the *Plan* and of *solar Consciousness*.**

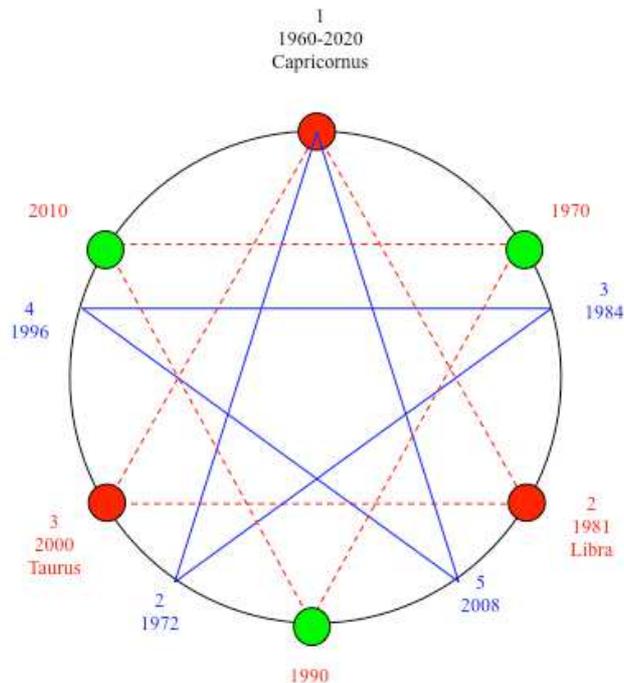
The third Cycle, composed of Saturn and Jupiter, influences and sets up the *Plan of solar Consciousness* according to the sacred psycho-geometries of the six- and five-pointed Stars that form every **60** years, viz. every 3 cycles of 20 years or three conjunctions between Jupiter and Saturn, which trace in the circle of the Zodiac the *Triangle*, the first plane figure.

This is one of the most beautiful and precise discoveries in the study of the Cycles and it can be described as *the rhythmic unit of the solar Consciousness*, the solar beat and breath that counts 60 in relation to the terrestrial year, viz. **5** years of Jupiter (12) and **2** of Saturn (30). 60 is indeed the least common multiple between 12 and 30.

Such pulsating rhythm of the upward oriented solar Triangle (featuring Vulcan 1st Head –

Jupiter 2nd *Heart* – Saturn 3rd *Throat*, see p15) is in a 1/14 ratio to the rhythm of the matching downward Triangle (Venus 5th *Sacral* – Neptune 6th *Plexus* – Uranus 7th *Base*) which is the same as the synthetic Cycle of 840 years. Therefore there are 2 septenaries or **14 Stars** of 60 years in a solar Day, viz. **42** conjunctions between Jupiter and Saturn. At present we are experiencing the **34th Star** from the year 0, or Advent of the Christ, precisely the Star that goes from the conjunction in Capricorn of 1961 to that in Aquarius of 2020. If we accept a hypothesis of correspondence between a year in the historical life of Jesus Christ and the mentioned rhythmic unit (60 years) of the solar Christ, the significance of the present time (His final 34th year and the current 34th Star) must evoke a sacred sense of astonishment and expectation.

Is this the *Star of Resurrection* that will elevate every creature?



The six-pointed and seven-centered (including the middle) Star, or *Star of Life*, is made of the sequential discontinuities between Saturn and Jupiter along the ideal circle of the Zodiac, according to a clockwise circulation; the conjunctions trace the upper triangle and the oppositions the lower triangle of the Star. Therefore every 10 years we record a conjunction or an opposition between Signs, and the clockwise Vertexes of the Star are precisely the decennial positions of Jupiter in the Zodiac.

Each six-pointed *Star of discontinuity* between Saturn and Jupiter corresponds to a five-pointed *Star of continuity* called *Star of Creation*, a psycho-geometry revealed by considering, at the beginning of the 5 cycles of Jupiter every 12 terrestrial years, the successive positions of Saturn in the zodiacal Circle.

In actual fact in 60 years, basic rhythmic beat of the solar Plane, 3 Stars of Life and 3 Stars of Creation ‘start’, each originating from a conjunction between the two Luminaries every 20 years.

The Stars of Life are also called ‘Stars of Causes’ or creative (3, triangle) of the discontinuous impulses of the solar Plan, while the Stars of Creation manage the building of Formulas and the golden connection between worlds (5, pentacle).

Considering as a reference, for example, the conjunctions in **Capricorn** of 1901 and 1961 at the *Summit* of the five-pointed Star, we notice that the following primary conjunction of this set of Stars will be in **Aquarius** (in 2020). So once more, in the planetary consciousness the Sign of *Service* and *Brotherhood* is highlighted by this *orientation* of the solar Plan.

The *air* Element of their conjunctions (in the Signs Aquarius-Gemini-Libra) is that substantial quality which brings *Expansion*, and it is new in comparison with the *earth* element (of Capricorn-Taurus-Virgo) of the last 180 years, whose key word is *Contact*. Three Stars consecrated to the Summit in Aquarius will then start in 2020, in 2080 and in 2140 (in the past the last one in Aquarius was in 1404). Such evolutive impulses will orient Humanity towards *universal Service* through *group consciousness*.

In contemporary time we have the Stars that started with the helio-centric conjunctions of Jupiter and Saturn in **Capricorn** (in 1961), in **Libra** (in 1981) and in **Taurus** (in 2000) which build a triadic structure in a *century* (1961-2060) of the solar, and therefore planetary, Plan.

*

Any plan or project that intends to be *legitimate*, viz. according to the Laws of the Heavens, must merge with the Rhythms and Cycles of the solar Plan; the understanding of currents and flows of such Stars set up by the solar Builders reveals the causal and operative energies that are available. It penetrates worlds and levels, assists and ritualizes the imitation and identification with celestial and global Purpose.

To become aware of this merging is the safest way to read the events of the past and tendencies of the future and so 'be prepared'.

Humanity, in the likeness of the Heavens, can in its lesser order and actions establish primary and secondary dates, which can only be effective and make sense if they are in agreement with the spatial dates.

Careful observance of such signs can quickly teach us to best use the energy of the Rhythm, and it is always wiser to support than obstruct this flow.

The result is a luminous liturgy that rules the elements and keeps roads and routes open.

*

The fourth cycle of the two remaining sacred Luminaries, **Mercury (4th Ray)** and **Venus (5th Ray)**, traces the same psycho-geometries of Jupiter and Saturn (Mercury:Venus=Jupiter:Saturn) but their conjunction recurs every 4 to 5 and half months, against the 20 years of the two greater (scale 1:48). Therefore they have been considered as *updating factors*, or curators of the details of the setting up and golden building of the Plan.

Among concordances of the other composed cycles we can mention two fundamental ones: Jupiter traces every 84 years (cycle of Uranus) a six-pointed Star with its 6 conjunctions to Uranus every 14 years²⁵; likewise Earth and Venus trace a five-pointed Star (anticlockwise) every 8 years.

*

It is also necessary to point out the **three or four-element composed cycles**, which are *accords* or *proportions* among the planetary relations. We can mention, as an example, the relation between any 'fast' Planet (like Mercury or Venus) and a 'slow' or 'deep' couple (like Uranus-Neptune or Saturn-Jupiter). Such a 'regime of conjunction' among the three planets can obviously occur at every major cycle (of the *slow* couple), but rarely among three 'deep' Planets. Or, as a quartet, the mentioned cycle between Mercury and Venus placed in a Jupiter-Saturn cycle (20 years), a *proportion* that sets up a system of 7x7 (49) conjunctions (every 4,5 months) or steps to realize the fulfillment of this greater cycle. Another example of this type is the one that sees the relationship between Jupiter and Uranus (conj., oppos. and squares) every 3.5 years included in the "framework" of the primary Uranus-Neptune cycle. Even in this case we have 49 aspects or *dates* to complete the impulse

delivered by the higher couple. Placing at the Beginning the Uranus-Neptune opposition in 1910 (so that their momentous conjunction in 1993 is at the very centre 4.4), here are the 49 steps between Jupiter and Uranus (indicated by their relative positions in the zodiac signs) entered into a "Lambdoma" square at index 7:

1.1 1910 LIB - CAP	1.2 1914 AQU	1.3 1917 AQU-TAU	1.4 1920 VIR-PIS	1.5 1924 SAG-PIS	1.6 1927 ARI	1.7 1930 CAN-ARI
2.1 1934 LIB - ARI	2.2 1938 AQU-TAU	2.3 1941 TAU	2.4 1944 VIR-GEM	2.5 1948 SAG-GEM	2.6 1951 ARI-CAN	2.7 1955 CAN
3.1 1958 SCO-LEO	3.2 1962 AQU-LEO	3.3 1965 GEM-VIR	3.4 1969 LIB	3.5 1973 CAP- LIB	3.6 1976 TAU-SCO	3.7 1979 LEO-SCO
4.1 1983 SAG	4.2 1986 PIS-SAG	4.3 1989 CAN-CAP	4.4 1993 LIB-CAP	4.5 1997 AQU	4.6 2000 TAU-AQU	4.7 2003 VIR-PIS
5.1 2007 SAG-PIS	5.2 2010 PIS	5.3 2013 CAN-ARI	5.4 2017 LIB - ARI	5.5 2021 AQU-TAU	5.6 2024 TAU	5.7 2027 VIR-GEM
6.1 2031 SAG-GEM	6.2 2034 ARI-CAN	6.3 2037 CAN	6.4 2041 SCO-LEO	6.5 2045 AQU-LEO	6.6 2048 GEM-VIR	6.7 2052 VIR
7.1 2055 CAP- LIB	7.2 2059 TAU-SCO	7.3 2062 LEO-SCO	7.4 2065 SCO	7.5 2069 PIS-SAG	7.6 2072 GEM-SAG	7.7 2076 LIB - CAP

The harmonies and melodies between the solar Players and Thinkers are countless, but never casual or disorderly; they follow precise but never static laws and traces. They reveal the *heavenly dynamics*, that admirable device of magnetic and sound vortices that causes the organization of all forms within the solar system, ensuring their regular evolution, commensurate with the general Aim.

As societies progress people eventually stop calling incidental what they don't understand. May they to commit to exploring and researching the signs and plans of the celestial Order, beyond and inside themselves.

3. The simple or planetary Cycle

The *Art of cycles* not only teaches us to see the purposes and qualities involved, and thus to understand the planetary and solar Plan, but also to realize Forms, following their rules and principles. By studying the cycle we start finding the first traces to answer a fundamental question: how does creation work?

Creation, it is well known, is based on superior laws which, according to our hypothesis, use cycles and directions, numbers in motion and psycho-geometry to precipitate ideas in manifested forms.

Having recognized the role that the Cycle plays in such transformation, circulation and distribution of energies and forces in the Universe, we want to dedicate this chapter to the study of its *psycho-geometric* structure, dealing with the whole of directions and alignments that converge in the development of any circular motion.

This manner of looking at cycles is a type of investigation into the mysteries of the Great Book of Life, viz. the foundation of a proper *science of cycles*, that is of the effective pulsation, score and scripture of the solar System and beyond.

There is certainly a suitable attitude and a code to help us interpret them, as well as a syntax to be known, terms to understand, a language to learn. The cycles, generators of structures, must be structured themselves, that is they must respond to a hierarchic project of energies that set them up and reveal their principles and functions.

Let's focus our attention, then, on the exemplary cycle of the solar system, that of planetary orbits on the plane of the ecliptic, the *year*, called the **simple cycle**: the builder of the planetary forms.

A planet that rotates around the solar center is a simply sublime act; it is anything but straightforward and banal. Just due to the fact that the spiral of motion builds at the same instant that it is built, it must hold the rules and laws of a *real Art of construction*. This is in fact the celestial model from which all other creative arts of each planet draw.

If realized as rhythmic impulses causing the perturbation of Space, the spiraling revolutions of the planets around the sun take the character of vibrations and currents, sounds and lights, words and colors that associate and dissociate on the solar table in an always changing fashion, never repeating the same composition. The ecliptic is the stable plane of changes, constantly updated by the variation of position of the Luminaries. Through the cycles everything changes. The change is not only in the psycho-geometrical relations between the planets in motion, but mainly in:

- the *center* of the solar system, the point of synthesis of all directions established by all the points in motion at the *periphery*;

- and so the latter, intercepted or irradiated in an alternate and variable way from the center, both thanks to the 'viewfinder' of the planets in transit.

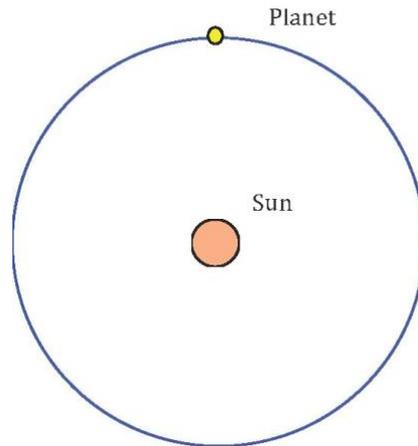
The study of cycles keeps in consideration this two-fold condition. Considering only the 'status' and position of the center, or those of the periphery, is restrictive; it might not allow us to see determining conditions. Each *direction* acts in both senses.

The points of departure for this section of study are, therefore, the *center* of the solar system and its extreme *periphery* (the circumference 'qualified' by the Zodiac), whose fundamental relation allows the dialogue among the circles of the planets.

In other words, in the revolution of planets around the sun we study the relation between center and field, and in their mutual exchange we recognize the genesis of motion. They are two energies working simultaneously, rays from the center and waves from the periphery, which meet also in the center of every Luminary and impose its vibration and movement. They are reflections of the two cosmic Origins (the One life and Infinite space). The cycles are motions of centers, but the ultimate terms put in comparison are always the One and the Infinite. And the multiform beat and motion of consciousness are their result.

*

In geometrical terms the structure of a simple cycle can be described with a few essential elements; a center (the Planet) carries out an alignment of points (the Orbit) on the plane of the Solar System (the Ecliptic) around another center, greater because of its *centrality*²⁶ (the Sun).



Here the very simple action of tracing a sign with a compass on a sheet reflects the action carried out by the superior Consciousnesses in the Heavens; in actual fact, such action requires the synthesis of multiple relations of tensions and drives, which in the whole make a composite and well-structured energetic system. In order to stay en route, the Planet must both *be at the center* and work unceasingly, exploiting the energies coming from various spatial regions and blending and transforming them into a trajectory, in celestial jumps and flights artfully planned.

Thus, like any living entity, its cycle breathes and renews its own energies rhythmically, transforming and giving them back to the outside full of new experience. The process is necessary and inevitable, and for the stability and health of the creatures that depend on the cycle, it must have a minimum value of regularity able to guarantee order and consistency to the development. It is not enough, then, to say that the cycle breathes; we must add that it does so in a geometrical manner, thanks to the presence of a being designated to impose rhythm and organization to Space. In other words, there must be a device generating discontinuous impulses which, with its action, determines the *regular* insertion of the energy in the cycle, giving it life, quality and dynamism.

- *The three crosses of the Planet*

This planetary motor or pivot generating the creation is, like the propelling motor of the cardiac device, the **Cross**, mainly the one connected to the terrestrial axis:

1) This is its genesis: if we project the axis of the world on the ecliptic, at the time when it then intersects the Sun at the centre, we thereby draw one line of the *cornerstones* of the cycle which, together with its perpendicular (likewise on the ecliptic), forms the cross of solstices and equinoxes. When in its circular journey the Earth crosses one of its arms, an instantaneous causal event occurs in the cycle, which is able, on the plane of evidence, to modify the tendency with which the light (not only the physical one) reaches the surface. The effects are well known. At the solstices the light reverses its own motion along the terrestrial North-South direction. Its field expands over darkness up to the summer solstice and then it goes back in the return stage that leads to the winter solstice. It is an alternation of luminous energy that knows its balance on the axis of equinoxes (night=day), when the planet crosses the second arm of the cross.

The cross of solstices and equinoxes is the *unchangeable structure* of the annual cycle of the Planet (not considering the precessional motion) which indeed sets the cornerstones, the four corners of the world. With its impassiveness it builds the access and exit doors for energy (between greater and lesser cycles than the annual breath) and it puts into contact causes and effects, impulses

and developments, being and becoming. It sets up the necessary condition for a discontinuous event to manifest or, vice versa, for a form to reveal and free its essence or meaning.

In energetic terms, the function of the **Unchangeable Cross** thus appears vitalizing and nourishing. Through it the cycle is fed on energies coming from the Infinite and through it the energies go back renewed in the Infinite. The process warrants explanation. As well known to science, activity consumes energy, so the cycle always needs new energy. Yet conversely, what remains (relatively) static preserves energy, and the arms of the cardinal or unchangeable Cross are functionally motionless. Being directions, thus infinite by nature and lying in the Infinite, they keep all the energy in Space, which is infinite, without 'using' it.

The Unchangeable Cross thus sets up the necessary conditions for the achievement of the cyclical development through a regular and consistent rhythm, by exact directions and crossings (intersections), by right amounts of discreet energy, which are impulses and goals.

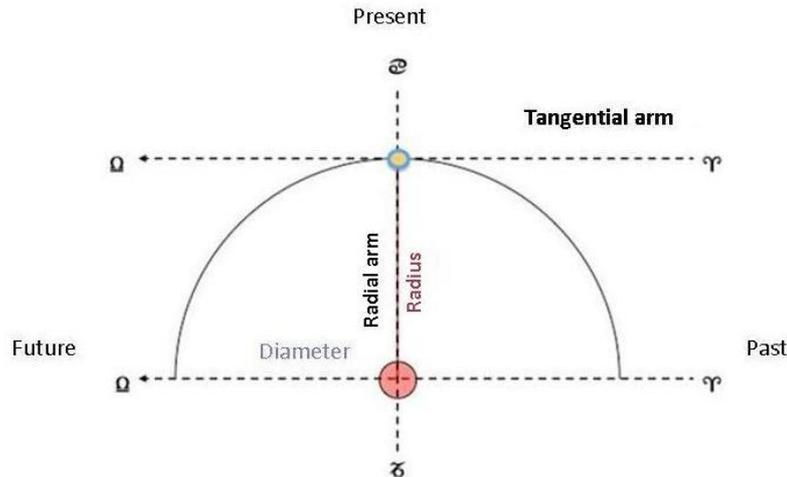
Its directions are constant. They constitute cornerstones, impassible and therefore suitable to evaluate changes and they are the *cardinal Axes* of the 'system of qualities' of the Zodiac, on which the position of all the celestial bodies are measured and interpreted. Here the real progresses of developments can be estimated; here the crisis points can be tested as well as the efficiency and the achievement of goals. It is the seat of the *planetary coordinates*, through which the Planet and its consciousnesses measure Space and can commensurate with it, with its infinite reality.

*

2) Every annual cycle, as the breath of the planetary Heart in the solar Space, inhales and exhales energy in these four stages, and mainly at the beginning of every turn, accumulating enough of it to reach its accomplishment or *goal*. Such energy, therefore, also constitutes the tension to reach it, according to rhythmic doses, which will be shown here as jumps of *quarters of a cycle*. Such 'squaring of the circle', as a rule for the achievement of the cyclical Life, is an extraordinary fact given by the nature of the circular motion of a planet: at any point of the journey the linear momentum of the Luminary points not to the next position of its orbit, but to the overarching destination after a quarter of a cycle! As illustrated below, the planet 'sees' a goal (on the tangential arm), reaches it (on the radial arm – exactly after a quarter of turn), sees another one (on the tangential arm) and thus the cycle unceasingly but regularly develops.

The planet, therefore, is crucified in every moment; one direction connects it constantly to the sun while an orthogonal one guides its motion. This latter Cross is mobile yet stable, always balanced.

The **Stable Cross** performs a specific, two-fold primary function; it establishes the goals and maintains the stability to reach them. Whilst the Unchangeable Cross supplies energy for every stage, the Stable Cross identifies the place to direct the cycle to and balances the drives in order for the development to be achieved.



The Stable Cross, by setting the goals, resolves the contrast of a powerful manifest duality; wherever the Luminary is, one of its arms marks the Present and the other the Future/Past. The first expresses the will of Being, the second the desire of Becoming, and the two are synthetically joined in the spiral line of the orbit. A great mystery seems hidden in this; from two perpendicular lines, the tangential desire and the radial will, originates the curve, the evolution of the Cycle, of consciousness.

Now we can better understand how the 'distance' between centers is actually a measure for the spatial *tension* between them, explained by the radial arm of the cross, the arm of Will and Present. It specifies the circle of the planet, is the radius of the Cycle and expresses the *difference of potential* between two centers, so as to establish the *intensity of current* flowing in its direction.

The period of revolution, on the contrary, measures the becoming, viz. the revolution of the tangential arm of the Cross, the 'desiring' arm that induces changes of direction in the cycle. It is also a measure of tension, but of field, rather than current. It impresses *differences of quality* and therefore determines the change of 'color' of the energetic current of the radial arm.

The mechanism reproduces what happens in electromagnetic phenomena of self-induced currents. Distance, being the difference of potential, causes current in the radial arm and induces the magnetic field of the tangential arm.

The latter is a dynamo. It changes direction, modifies the flow of the magnetic field and induces current in its turn on the radial arm.

The Cycle self-feeds and evolves, and with it all the forms depending on it.

Referring these geometrical concepts back to humanity can be instructive. The term 'right' of the angle of the cross, for example, cannot be random, since the word right also means fair and righteous (honest). After all, etymologically it means to rule, to manage²⁷.

So a human being is crucified between Heaven and Earth and is supported by the spinal column (radius) stretched between the center of the Planet (Nadir) and the Infinite (Zenith), drawing from it the energy necessary to carry on; he evolves by setting himself progressive goals on the tangential horizon?, which improve his probity (rectitude) and capacity to manage the physical, emotional, mental and spiritual environment.

3) There is one last system to take into consideration: the **variable Cross**.

With the Unchangeable Cross the planet generates discontinuities, manages and separates the field of its journey, determines the access (and exit) of the energy in the cycle.

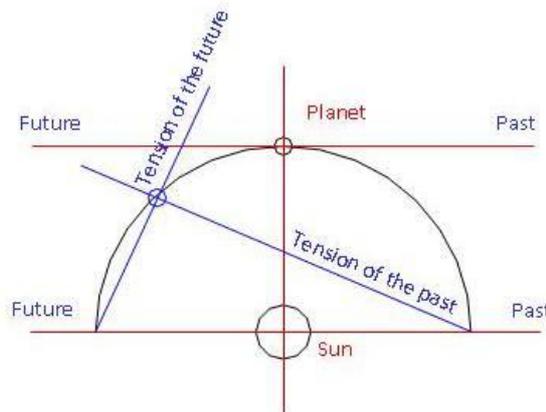
With the Stable Cross it sets goals and establishes that the reference that must be followed to advance in the development is the quarter turn. Yet perhaps it would be better to say the

semicircle. For the parallelism of the tangential arm identifies it with the whole diameter of the circle, and on such an arch the planet is always in the middle point, at the conjunction of the two quarters of cycle that act simultaneously on its position. Its position is in the middle of two opposite points (or Signs in qualitative and astrological terms).

In architectural terms, the planet is the keystone of a round arch where the two imposts are at the extremities of the diameter, while in the central fire and altar shines the Sun. We are considering a real building action, with the same geometrical rules as those used to build the vaults of cathedrals.

A goal is thus established by the Stable Cross (through which the planet enjoys the balance at the peak of the vault). Now we must understand the tensions that act on the points of the arch while it proceeds towards this goal. Unlike the architectural element, which satisfies criteria of a static nature, in the real arch of the cycle the planet moves continuously from a point to another, undergoing a dynamic balance relative to the imposts of the diameter.

From the known property of the triangles inscribed in a semi-circle, the *straight lines* that connect any point of the arch to the imposts (that is to the ends of the diameter) are always *perpendicular* to each other. At whatever point the planet might be in the journey that takes it to the goal, a third cross constrains its motion with respect to the start and end points of the diameter.



So after the Unchangeable and the Stable Cross, a third pleasant surprise appears which completes the dynamic of the 'simple cycle'. The properties of the arms of this cross reveal its nature. Unlike the Stable Cross, where the orientation changes but not the tension or the sizes (the radius remains constant), in this cross the arms not only change directions, but, most of all, they stretch and shorten, that is their tension changes. As the planet progressively turns towards the goal of the future, the arm pointing to the past stretches and the one pointing to the future shortens. In other words, they are mutable and so this is the cross of variations, or Variable Cross.

The function of the Variable Cross is connected to the development of the cycle, not so much in terms of definition of goals, which is the task of the Stable Cross, but rather in terms of the executive aspect. Among the crosses we can then identify a hierarchy of functions that opens the field to new interpretations on their nature. The Unchangeable Cross commissions the project and funds it with its *energy*, the Stable Cross reads and interprets it with its own *vision* and *tension* and the Variable Cross carries it out with its *strength*. These are three activities of the Planetary Intelligence, which from the higher planes follows the realization of the project to the final form.

Though simple in dynamics, this mechanism has an extraordinary geometrical precision. Through its comprehension we can explain the relation through which Past and Future act in the cycle and when a goal can be considered achieved: *the Future is not a deferred 'time', but a quantum of energy defined and qualified in the cycle, which turns into Experience as it becomes Past, which, equally, is not in essence a past 'time'*.

Thus it is no longer an indefinite and vague concept, but the *diameter of a semi-circle* whereby the energy of a goal becomes experience, up to accomplishment.

The Variable Cross is therefore the instrument that Experience, the result of the cycle *in consciousness*, uses to grow. An experience will be finished when the future, from being a diameter, becomes a point and when the past, from being a point, becomes a diameter, thus conquering the whole energy of the quantum.

In the annual cycle, then, the Future passes away in the Past, and the other way round, not in a random way, but geometrically, by semicircles and octaves, and right in the middle point (the Present) the goal is always reached by the origin (parallelism with the diameter).

*

After the evaluation of the characteristic of each cross in an instant of the cycle, the view now changes to the whole, and the subject of discussion is the dynamic of the planet and the simultaneous action of the six directions of the three crosses on the motion.

So we continue with the choice of the start of a goal. We said that the Stable Cross, at any time, sets up goals so that the start can be at any point of the circumference. But we also said that the discontinuous moments when the planet crosses one of the arms of the Unchangeable Cross are particular, because they are the instants when the doses of energy enter from the higher cycles, or the essence of the formal development is released into Space. This condition imposes a beginning at one of the four cardinal moments of the cycle, and mainly, as we said, at the December Solstice (Capricorn, occult beginning) or at the March Equinox (Aries, manifest beginning).

Solstices and equinoxes are the only instants when the three Crosses become one, because the arms of the Stable and Variable Crosses overlap those of the Unchangeable Cross.

At the solstice the diameter marks a perfect balance. The forces of the arms of the Variable Cross, anchored to the past and the future, are equal.

After the initial instant, the development proceeds. The three Crosses, from a condition of overlapping, separate and from one cross they go back to be three, up to the next discontinuity.

*

The three Crosses of motion obviously recall the three Crosses of the zodiac, as if they were their reflection in the cycle. The correspondences are quite obvious.

The **Cardinal Cross** transmits energies of the 1st, 3rd and 7th rays, and the **Unchangeable Cross** is the cross of beginnings and Will, plans discontinuities and generates the Rhythm of the cycle. The arm of the solstices is the co-signifier to the axis Capricorn-Cancer, whilst the arm of the equinoxes to the axis Aries-Libra. After all, the equinoctial and solstitial 'actions' are the start of the seasons and of the repartition of Signs in the terrestrial cycle. They are 'times' of *crisis*, viz. of reorientation, and of choices of new directions.

The **Fixed Cross** reflects into the **Stable Cross**.

The former transmits energies of the 1st, 4th and 5th rays; the latter is the Cross of tension and stability. The radial arm is accordingly a co-signifier of the axis Leo-Aquarius (1st, 5th Ray) that rules the focalization at the center, as well as ramification and circulation. The tangential arm reflects the energies of the axis Taurus-Scorpio (4th Ray): it is the gaze stretched towards the goal and the balance for the tight trope walker, which solves the dualities or conflicts between future and past in harmony, in the eternal present.

The Fixed/Stable Cross is thus concerned with *tension*, centering, focalization and

strengthening.

Finally, the **Mutable Cross** pours its qualities into the characteristics of the **Variable Cross**. It transmits energies of the 2nd, 4th, 5th and 6th rays, which inform the Cross of Experience. The latter transforms spatial energy and substance between Future and Past; saturating the Space by octaves (2nd Ray); drawing the planet in a dynamic balance (4th Ray) between the tension of projection/expectation and the force of memory; managing the alternation and the motion between Future and Past (5th Ray) and creating qualities in consciousness through experience (6th Ray).

The arm of memory is considered a co-signifier of the axis Pisces-Virgo (2nd, 6th), whilst the arm of expectation, always anchored to the new goal of the future, is thought to correspond to the axis Gemini-Sagittarius (2nd, 4th, 5th, 6th).

The Mutable/Variable Cross is thus concerned with *emersion*, dynamic development and formal construction.

The motion is therefore managed and qualified by all the seven Rays acting through the Crosses, but with a different intensity depending on the position of the planet. The power and action of the Unchangeable Cross will prevail along the directions and in the Signs of the Cardinal Cross; those of the Stable Cross in the ones of the Fixed Cross and those of the Variable Cross in those of the Mutable Cross.

*

Having understood that the rhythm and geometry of the **simple cycle** teach the Art of building forms, from the superior and mental to the more concrete ones, let's now see in detail its main *harmonics*, viz. its internal partitions, which are the proper beats of the creative process, its fundamental elements.

As we have seen, the simple Cycle of the Earth is the unitary circle of revolution or *year* carried out around the Sun, our basic *module* to follow the boundless celestial Music.

Referring to it, the 'hierarchy of dates' establishes the solstitial beginning of each year as a primary direction and its *harmonic repartitions* in 2, 3, 4, 6 or 12 secondary parts. Each circle or year is 'given the rhythm' mainly by the 2 stages of its breath (ascending and descending) as well as by the ternary repartition corresponding to the 3 *creative rhythms of consciousness*, reflected astrologically in the three Crosses (*cardinal/crisis* – *fixed/tension* – *mutable/emersion*).

Furthermore, we have seen how the planetary Heart generates the four *discontinuities* of the cycle (solstices and equinoxes), the Cross that unfolds and scatters in the planetary field the life or impulses coming from superior cycles and directions, and also reabsorbs the essence and fruit of creation. Each cross is made of four *types of substance*, called *elements* in astrology, four ways of vibrating the form, ever more intensely (earth, water, air, fire), synthesized at the center by the *quintessence* (ether).

In particular, it stands out that the four cardinal impulses are impressed on a fundamental *quality* established every year by the Sign where the solar Master of the Heart Jupiter transits (cycle of 12 years, a Sign for each terrestrial year), who thus teaches consciousness to expand and create forms according to cycles of 12 Lessons, reflected and divided in turn into the 12 months or stages of the year.

This *Cross of the planetary Heart* on one hand synthesizes and so inserts on Earth the whole hierarchy of cycles and the higher formulas according to four vital impulses; on the other hand, by grafting itself into the *color* or climate of the whole year (given by Jupiter), it defines its four ways (seasons), the quadripartite model of all the annual qualitative developments (e.g., the winter with Jupiter in a "winter Sign" like Capricorn will be harsher than a winter with Jupiter in Leo).

Here is another *squaring of the circle*, as we have seen for the primary composed cycles;

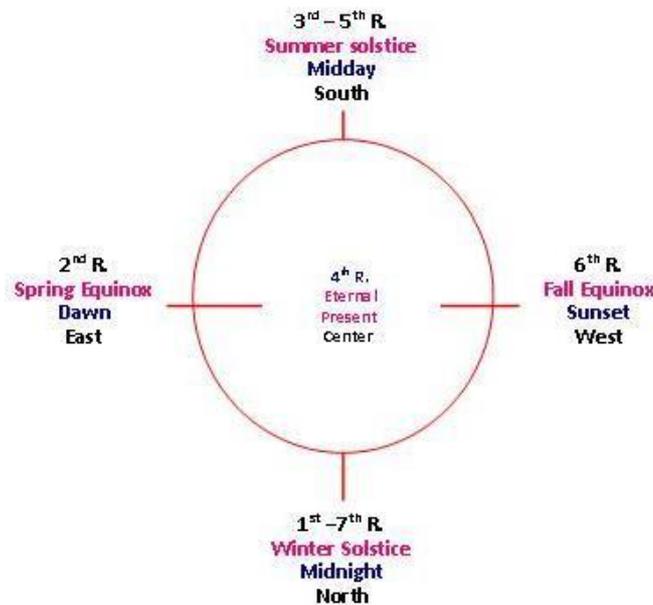
this time it refers to the annual breath of the Planet and to its Work of building Forms.

Humanity, in the likeness of its planetary Abode and of the greater ones, reflects these rhythms and actions in its own cyclic measure, the *day*, the planetary lesser breath, the rotation on the axis; the circle or minimum rhythmic unity of the Hierarchy of dates.

The day (1/365 of a year) can be equated to 1 'degree' of the full rotation of 360°, almost as if it was the basic unit of the year, qualitatively as well as quantitatively.

Mankind can thus be seen as the qualitative vector of the daily planetary Work.

Going back to the *Cross in the Circle* (the real glyph or symbol of the Earth) we notice that the four corners of the horizon (the *circle of position*) correspond to the four cornerstones of any cycle (the *circle in motion*), be it daily, annual or of any other width. It is the *Cross of Life* or Heart that at every level squares the circle and conveys Life in Form or, vice versa, sublimates the appearance into essence:



Time is motion in an ordered space. Cyclical time is a rhythmic space.

The Seven Rays rule, according to a liturgy, the four sacred Doors of creation and the creating Center as well, which is the 'place' or state of Being and the Eternal Present.

In the four corners of the day or year, or of any spiral vortex, the energy of all the superior vortexes flows towards the Center, in the Heart of the Entity in question, as well as the center of all its forms. The Spirit crucifies the Substance according to these directions, and frees it, allowing the explosion of Its consciousness or essential Sound/Light.

Every creator respects these four stages or primary directions in order to co-vibrate with the cosmos and to impress its own goals and impulses.

In this vein, synthesizing the whole intention of this essay on cyclical or real time, by learning to read the *Signs of the Heavens* we can research, for example for each year, four Formulas or *Words of Power* that could translate into *words* the active causal energies in the four sacred Doors.

To experience and embody them in oneself, saturating Space with each of them for a quarter of cycle, somehow helps us, as co-creators with the great celestial Thinkers, to impress and lay them down in the planetary sphere and consciousness of every person. The planetary Purpose and Plan, in turn part of greater ones, can thus reveal themselves, gradually, to the *well oriented* consciousness of Man, a 'creature' that can be rediscovered as the result or crown of planetary

creation; as its 'first Form' and first kingdom that can self-initiate and rise to the level of conscious creators.

Humanity, to paraphrase Pythagoras, has the power to give life to things *by naming* them. In the Heaven the living Formulas of Evolution are written to be read. It is up to us to gradually learn the art of collaborating in a coordinated and conforming way to the Heavens.

Can we risk missing the chance to be the conscious co-creators of our days, and ultimately of our universal destiny?

Is this a right or a duty for humankind, or perhaps admirably both?

6) VALUE OF THE CYCLE AND DIRECTION

The investigation of the value of the cycle and direction has been touched in this essay according to the numerical and geometrical, as well as astronomic and astrologic keys, because they seem the most active or convincing in these 'mental' and synthetic times; but we might also investigate according to other measures, such as the metaphysical, anthropological and psychological, physical/physiological, mystic and symbolic ones.

Any entity can, sooner or later, be known according to these primary perspectives identified by the esoteric understanding able to penetrate beneath the surface.

The cycle and direction are creative powers, vital and spatial, infinite, immense mysteries; yet they can be recognized in everything, geometric signs, symbols, meanings, projects, motions, vibrations, forms and thoughts. Therefore they can be partly unveiled or understood.

This introduction is necessary to cover, partly at least, the potential breadth of reality, which cannot be presented or explained with dogmas or closed and sectarian knowledge systems, but needs more and more inclusive and integrated systems of perspective.

The heart and mind of man need to research continuously, steadily dynamic and dynamically steady; they need ordered freedom, or truth, which only the World of Ideas knows and asserts.

The cycle is indeed, according to the geometrical key, the circle that a center traces by rotating around another center, supported by a radial direction. But it is also breath, field, encompassing spatial love, comprehension, the four-fold heart, the creative spiral of life, evolution, consciousness and ever more besides.

According to the numerical key, for example, the cycle is the action of maximum power and lightness that *pi* puts into place, which is to curve straight lines and to straighten curves. The relation between the two centers is indeed geometrically defined by the diameter or radius (sun-earth) which by rotating becomes the circumference (heaven) according to the power of *pi*, that transcendent and infinite number (3.14...) that governs any rotating and spiral movement.

Yet the cycle also hosts other sacred Numbers; for example, its progressive updating is ensured by the law of the logarithmic spiral, so that the evolution proceeds and increases forms according to the *golden section* ('the lesser is to the greater as the latter is to the whole'), which then determines the relations and development of any evolving form.

Furthermore, the relation among progressive goals, between a quarter of the cycle and the next, implicates the *square root* (via the hypotenuse), which resolves the crossing between two directions/segments and brings 'the Heaven in the heart'.

Finally, the harmonic relations (exemplified by rational ratios) allow the understanding of energies or qualities involved in the cycle and their imitation or reflection in the construction of the form.

The physical key, or mode of correspondence, deals with the study of the cycle according to

the analysis of energies and forces that physically allow this revolution, from which we infer that the balance between centripetal and centrifugal forces, between escape velocity and gravitational force (Law of Attraction and Repulsion according to esotericism) explains the trace of any orbit, be it a planet, a sun or a universe.

The counterpart metaphysical key recognizes that tracing circles in the sky is not an easy job; on the contrary, it is the dance of Life, the result of the extremely subtle art that balances multiple forces and directions, as vehicles of expression of as many Entities or directing principles.

The value or essence of anything is in the number, Pythagoras says; it is in the idea, Plato says; it is in love, Christ says; it is in God, the devotee says. They are all telling the truth, because it has uncountable faces or aspects that change depending on the *ray*, direction of the gaze, or capacity for response. Uncountable but ordered, revealed or intimate, obvious or invisible, depending on the evolutionary or cyclical position of the observing center.

Ultimately, to approach the mystery of the cycle and direction, to rule and practice the real art of construction, it is necessary *to be masters*:

- of one's own direction (the sword of the mind),
- of one's own cycle (breath, existence),
- of one's own heart (the cross of Life),

That is, in a psychological key, to be the master of one's own measure of *light, love and power*, the three primary Aspects of all things and their mysteries.

7) SOLAR RITUALITY

Humanity can and must learn to proceed *in the likeness* of the celestial Order, in a joint breath with its cycles and in a unified rhythm with its directions.

Therefore any true servant of the Planet is bound to follow, and disposed to represent, the solar and cosmic Model, in co-measurement and conformity. In this lies our liberation.

In the *Art of Rhythm* is our liberation, the legacy and virtue of Humanity, the son of the Planet, of the Sun and the Cosmos.

An individual learns the rhythm of Communion with the Whole through the *group consciousness* or *soul* (*buddhi* or *christic consciousness* for esotericism) that vibratory level from which we learn the rhythmic art of coordinated collaboration for the achievement of a common Goal or Good.

A human Order or System that intends to imitate and be the living reflection of the Heaven will assert in itself and its actions the *celestial Rituality* or of the *Group Life*:

- In the arrangement of its parts according to the models and qualities of Numbers and according to the orientations of the Heavens: this is the very model of Space, activated in us;
- In the common and individual celebration of the *celestial Rhythms* (according to the hierarchy of cycles and dates, concerning astrological qualities, discontinuities and articulations of the composed and simple cycles, through the cardinal points of the day, all in the light of the overarching yet central 'eternal present'); this is the model of cyclical time made living and *present* on Earth.

This is the attempt of humanity to express itself consciously on Earth as a **solar Group**,

looking up at the infinite Heaven.

Thus, thanks to the power of concordance and harmony, we proceed and advance with the Heavens in the *heart*, our sun.

Heaven is within us and we are in Heaven, are Heaven.



NOTES:

¹ Etymologically, the word *time* comes from the Indo-European root *TAM-, which expresses the idea of sharing, separating (Gr. *Tem-nô*=I divide, I separate; Latin *tempus*).

It is important to note that it has the same root as the word *temple*, indicating the sacred yard.

According to F. Rendich (Dizionario etimologico comparato delle lingue classiche indoeuropee [Comparative etymological Dictionary of Indo-European classical languages, *Note of the Translator*], Rome 2010, Palombi Editore, p.122) the Indo-European root 'tam' expresses the idea of measure [m] of the motion between two points [t], so that time was considered as a fragment of light, and the temple a space consecrated to the gods.

² '...time and space are simply *models of ideas to express the cyclical activity of an entity*.'

'Outside of manifestation time doesn't exist, outside of objectivity states of consciousness don't exist.'

'Time has been described as a succession of states of consciousness'. (A.A. Bailey, '1925, 'A Treatise on Cosmic Fire', 'Lucis' Collection, pages 282, 63, 278).

³ From the collection Agni Yoga, Fiery World I § 646.

⁴ 'The sun's path is tilted about 25 degrees from the plane of the galaxy and it is headed toward a region in the constellation of Hercules near its border with Lyra. The sun oscillates through the central plane of the galaxy with amplitude of about 230 light-years, crossing it every 33 million years. However, the sun's motion relative to the local stellar neighborhood should not be confused with its movement around the center of the galaxy, since the whole solar neighborhood (including the sun) orbits the galactic center once every 250 million years.'

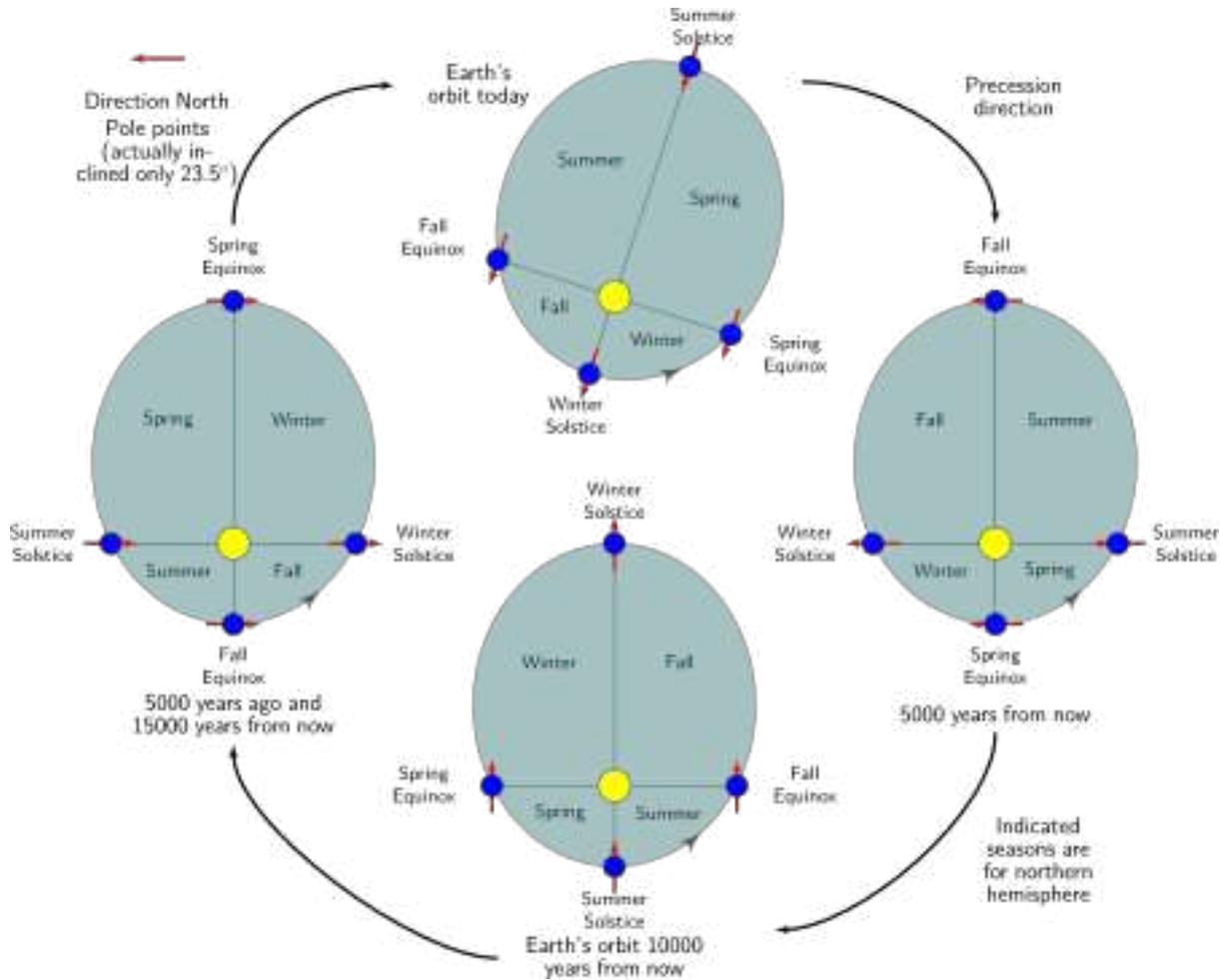
⁵ We must keep in mind, with reference to enquiry and reflection, the great cycles mentioned by esoteric Tradition; here is a taste (from the above mentioned 'A Treatise on Cosmic Fire', pages 39-42): "One day out of this long life of Brahma is called Kalpa [the *day of Brahma*, equal to 4,320,000,000 terrestrial sidereal years]; and a Kalpa is that portion of time which intervenes between one conjunction of all the planets on the horizon of Lanka [=shining island], at the first point of Aries, and a subsequent similar conjunction. [...] That these figures are not fanciful, but are founded upon astronomical facts, has been demonstrated by Mr. Davis, in an essay in the 'Asiatic Researches'; and this receives further corroboration from the geological investigations and calculations made by Dr. Hunt, formerly President of the Anthropological Society, and also in some respects from the researches made by Professor Huxley.

Great as the period of the Maha Kalpa seems to be, we are assured that *thousands and thousands of millions of such Maha Kalpas have passed, and as many more are yet to come* and this in plain language means that the Time past is infinite and the Time to come is equally infinite. The Universe is formed, dissolved, and reproduced, in an indeterminate succession (*Bhagavata-gita*, VIII, 19) – *The Theosophist*, Vol VII, p. 115."

⁶ It can be supposed that such a name was coined at the time when the march equinox coincided with the Pleiades (between 2,170 and 2,250 B.C.) positioned between the stars (and the Eras) of the Bull/Taurus and the Ram/Aries. As it will be better explained in the document, the **precession of equinoxes** (the points of intersection between the ecliptic and the equator of the Earth, currently tilted of 23° 27' from the orbital plane) is a motion of the Earth that changes slowly but continuously (1 degree every 72 years) the orientation of its rotation axis to the ideal sphere of the 'fixed' stars, and therefore also of its equator or rotational plane.

There are also other cycles regarding the reciprocal motion of the ecliptic and equatorial planes:

“The circuit of the ecliptic is completed in **25,868** years. And, with regard to our Earth, it is calculated that the equinoctial point falls back fifty minutes ten seconds, annually. But there is another cycle within this one. It is said that “as the apsis goes forward to meet it at the rate of eleven minutes twenty-four seconds, annually,” (see the article on Astronomy in Encyclopaedia Britannica), “this would complete a revolution in one hundred and fifteen thousand three hundred and two years (**115,302**). The approximation of the equinox and the apsis is the sum of these motions, sixty-one minutes thirty-four seconds, and hence the equinox returns to the same position in relation to the apsis in **21,128** years.”



... Each has a marked influence on its contemporary race. Our meaning is very clear. Every sidereal year the tropics recede from the pole four degrees in each revolution from the equinoctial points, as the equator rounds through the Zodiacal constellations.” (H. P. Blavatsky, SD II, *Anthropogenesis*, footnote p. 330-1). In the Hindu esoteric annals are reported great Cycles where the polar axis was lying on the ecliptic or perpendicular to it, with a full round about each one million years.

⁷ Here is quite clear the fundamental relation between the cycles of the **1, 10, 100, 1000, ...** and those of the **4** or quadripartition: **1/4 or 2.5, 25, 250, 2500, 25000, ... 250 million...**; the earthly year, considered as a unit of measure of the superior cycles, accords with powers of 10 of the Number 25, or 5x5, the quadripartition of the unit.

⁸ From the Greek *psyche*=soul, spirit, conscience and *mathmatikós*=yearning to learn.

⁹ Rhythm (*rythmòs*) and number (*arithmòs*) have the same root in Greek, meaning the arrangement or flow of rhythm according to an order.

¹⁰ See the document ‘The Creating Sound’. Anyone interested to this or other unpublished documents mentioned in this essay are welcome to contact info@theplanetarysystem.org.

¹¹ From “L’Uomo sul Pianeta e nel Cielo” (‘Man on the Planet and in Heaven’), 1998, page 191 (unpublished in Italian).

¹² The word *aether* is a synonym of quintessence, or the fifth element, besides the other four known: earth, water, air, fire.

¹³ From the AGNI YOGA collection, World of Fire III, § 445.

¹⁴ The distinction between sacred and non-sacred planets comes to us from the Esoteric Astrology of the Tibetan Master. In it, the Seven sacred Luminaries are indicated as the seven vital Centers of the solar system, similarly to man, who is supposed to have seven etheric centers that ensure in his micro-system the management of life, consciousness and form. See 'A Treatise of the Seven Rays – volume III, Esoteric Astrology', Lucis Collection.

¹⁵ This 'minimum Solar Day' of 840 years is similar to the much wider 'day of Brahma' mentioned; both express the accomplishment and the faculty to restart of the greater Cycles according to the repetition of a configuration drawn by the astronomical positions of the Planets.

¹⁶ Such directions are associated, in Esoteric Astrology, to the signs of Capricorn and Aries, and to their values of occult beginning and manifested beginning, of Top and Outlet. In astronomy, at present, they correspond to the directions towards the galactic Center or to the galactic South Pole.

¹⁷ There are studies that demonstrate the relation between the planetary positions of the four Giants with the cycle of the 'barycenter' or balance pivot of the Sun and the Solar System (cycle called 'clover-like' with a rhythm of around 179 years), as well as with the cycle of the solar activity (solar spots). To study the topic further see: <http://articles.adsabs.harvard.edu/full/1965AJ.....70..193J/0000193.000.html> and <http://daltonsm minima.wordpress.com/2010/07/>.

¹⁸ The fifth interval that is created in the natural series of the higher harmonics propagated by any Sound, marks the birth of greater and lesser intervals ('thirds'). By joining two thirds, a greater and a lesser one, the perfect harmony of the *greater chord* is achieved; the dualism causes in Space the need for the re-unification of the opposites through accords or *golden relations*.

The fifth plane of Substance is the *mental* plane, which is two-fold. The abstract or synthetic mind works with the causes, the concrete or analytical mind with the effects.

¹⁹ See '2000 –Study of the cycles of the Sixth era', unpublished essays.

²⁰ 'The seventh day sees the Return of the Christ, which occurs by Rule but is experienced as a historical anomaly. The Super-mundane intervenes in earthly life and upsets it without violence. Nothing stays as it was, and everything transmutes, going upwards. This event is foreseen and was foreseen since the apex of the fourth solar Day, at the time of Greek-Roman civilization and the first Advent. It marks the fusion of two worlds and the accomplishment of the Plan. The Christ doesn't come back 'at the end of the world', but at the end of the Week and at the achievement of the relative purpose. For its nature there is no point in formulating suppositions around this event, which transfigures history and occurs in the hearts. We can only mention it as optimum and maximum...' (Ibidem, unpublished essays, page 364).

²¹ Remember that every Sign or 12th partition of the Ecliptic circle has a width of 30°: 72x30=2160, 2160x12=25,920.

²² For further study we suggest (at present only in Italian): '2000 –Study of the cycles of the Sixth era'; '1995 – The Earth in the solar Space' (also in French); 'Historical study of the solar Week'; 'Complete study on Cycles', 2001, unpublished essays.

²³ From E. Savoini, 'The Solar System in Space', published in [Italian](#), p 243-4.

²⁴ Here we find this convergence with the calculations of the Maya, since their 5 eras of 5,125 years make a five-pointed star in our precessional cycle, perhaps having as a Starting point the direction to the galactic Center. The 'era' between Uranus and Neptune of 170 years in the solar Day of 840 years works in the same manner. So we have resonances of number (1:5), of essential value and function, suggestive of 5 *procreative and golden* stages and outlets (5 pointed Star) of the precessional cycle (5x5,125) and the solar Day (5x170).

²⁵ For further study: '2010 – The Rhythm of the Heart –The Jupiter-Uranus-Neptune Cycle', unpublished essays.

²⁶ *Centrality* is a synonym, in qualitative terms, of *intensity of vibration* or *potency*. What is more *central* is more powerful.

²⁷ "Right= 'morally correct', Old English *riht* 'just, good, fair, proper, fitting, straight, not bent, direct, erect,' from Proto-Germanic *rekhtaz* (cf. Old Frisian *riucht* 'right', Old Saxon *reht*, Middle Dutch and Dutch *recht*, Old High German *reht*, German *recht*, Old Norse *retr*, Gothic *raihts*), from PIE root *reg-* 'move in a straight line', also 'to rule, to lead straight, to put right.' (From 'Online Etymology Dictionary', *Note of the Translator*).