

CHAPTER II

THREE COSMIC DECANATES & THEIR AXIAL COORDINATE SYSTEMS

There are some interesting passages in reference to three "cosmic" decanates, parts of the "zodiacal decanate" (204) of a greater zodiac (486-7).¹ This ties in interestingly with the comment that the 6 systems along with our Sun (the Sirian System) work through SCORPIO/TAURUS² in association with the Paths (467) that lead out of our planetary and solar systems, since this SCORPIO/TAURUS axis is the constellational axis of the Sirian System hypothesized in Chapter I (JEP 4:2, pp. 37-69).

...just as each sign is divided into three decanates which are ruled by specific planets, so the zodiac itself is a part of a still greater zodiac and is also divided into three parts. The three-fold division of the zodiac is ruled by three constellations which are to this greater zodiac what the planets are to the decanates. The three ruling constellations are Scorpio,... Taurus,... and Pisces... Hercules, Buddha, Christ... (486-7).

1) The Savior principle in Pisces (the astronomically hypothesized Great Attractor) may act as an intermediary for influences from the ONE ABOUT WHOM NOUGHT MAY BE SAID, or the Supercosmic Logos of the local clusters -- the Cosmic Christ (231-2, _____).

2) It might be inferred that the Buddha functions in a similar way with regard to the great manasic Lords and Lodge on star Sirius, directing the influences from our local Sirian 7-star System found on the SCORPIO/TAURUS constellational axis (197, 232, 467).

3) Hercules (the Apex of the Sun's Way found in the constellation of Hercules by position, the constellation Sagittarius longitudinally to the ecliptic, and the sign (Capricorn) tropically [11 (Cap) 27]), synthesizing the teachings of all the solar cults throughout the ages, and pointing the way for human and planetary evolution, solar systemically.

A. PISCES/Virgo

1. **Metagalactic Level.** The Andromeda Galaxy, hypothesized by astronomers to rotate with our Milky Way Galaxy as a twin system, is found in PISCES [27 (Aries) 09], perpendicular to the Orion/Scutum GEMINI/SAGITTARIUS [(Cancer)/(Capricorn)] axis of star streaming. This streaming axis is *apparently* described by Lepus/Pavo (only 5 degrees off the Orion/Scutum axis in either direction), but becomes Orion/Scutum when corrected for solar motion [See Michael Erlewine, *Astrophysical Directions II* (Ann Arbor: Heart Center School of Astrology, 1977)].

With regard to the PISCES/VIRGO axis emphasizing PISCES (Aries), there is somewhat to add. Just as there exists the phenomenon of star streaming locally, scientists have just begun to be able to measure a similar phenomenon -- large-scale galactic streaming -- through elaborately controlled experiments examining red shifts of carefully chosen galaxies. These studies seem to indicate a motion peculiar to galaxies and groups of galaxies through space, somewhat analogous to star streaming in single stars and star systems within the galaxy. Formerly, our galaxy's membership in the Virgo Supercluster was thought to indicate the general direction, through the Hydra-Centaurus Supercluster, of galactic streaming toward an hypothesized Great Attractor. Recent large-scale studies (*Astrophysical Journal* 12/1/87) indicate, however, that the Great Attractor more likely lies on the PISCES/Virgo constellational axis in the direction of one of five gigantic "supercluster complexes" -- congeries of superclusters -- specifically the one named PISCES-CETUS. Is it coincidence that Virgo, Hydra, Centaurus, Cetus and Pisces all lie on the supergalactic equator, implicating a fourth "cosmic decanate" in Virgo, and making a remarkably tidy fit with the material DK and AAB presented close to 50 years ago? Perhaps it is easier to say "yes" if one considers coincidence, or simultaneity, as occasionally the highest state of cause and effect in the world of form in time.

B. VIRGO/Pisces

1. **Supergalactic Level.** Our Local System or Gould Belt is positioned at a -18 degree galactic latitudinal angle to our Milky Way galactic plane, pointing outward from the galactic center toward PERSEUS [07 (Gem) 35], longitudinally halfway between the Orion/Scutum star streaming axis and the Andromeda galaxy. The Andromeda galaxy is

¹ All references to Alice A. Bailey's *Esoteric Astrology*, unless otherwise specified.

² (Tropical) in parentheses throughout; constellations as is, bracketed as interpolations, or in all CAPITALS.

found at galactic latitude -21 degrees, quite close to the angular relation of the Gould System to our galaxy. The Lepus/Pavo points of apparent star streaming are found at galactic latitudes -18 for Lepus and -20 to -22 for Pavo.

The clusters of our local 7(10) cluster system are found near zero radial velocity on the VIRGO/Pisces constellational axis -- those from Virgo to Pisces approaching, and those from Pisces to Virgo receding -- without exception. This would seem to indicate something like gyroscopic motion, at a diagonal, of the local 7-Cluster System on the SAGITTARIUS/GEMINI axis, accommodating to the gravitational pull of our galactic twin Andromeda, on the higher order PISCES/Virgo axis. SAGITTARIUS (Capricorn), perpendicular to the PISCES axis, contains the Supergalactic North Pole as might be expected, but also the convergence or radiant point of the two approaching Ursa Major and Sirian System clusters, along with the Solar Apex opposite the star Sirius.

Opposite the Andromeda Galaxy, perpendicular to Orion/Scutum star streaming at 5 degrees of GEMINI/SAGITTARIUS [(Cancer)/(Capricorn)], is found VIRGO (Libra), seemingly devoid of significant local elements. Recent galactic survey studies have detected a bubble/foam structure in the ordering of galaxies. In other words, large spaces void of galaxies, with galaxies found on their fringes have been found, appearing rather like bubbles or spheres, surrounded with "foam." It is interesting that our galaxy is found on an outer fringe within the great supercluster of galaxies of the Virgo Cloud.

The three signs of the cosmic decanate are mentioned again (481), but include VIRGO in reference to the evolution of the soul. Three decanates in spherical geometric and inferred galactic generative context would seem to indicate a three-dimensional triangle or decanate process -- a three-dimensional tetrahedron, with four decans or points of focus. There may be no particular need beyond practicality to restrict ourselves to two-dimensional graphic scruples on a 360-degree wheel. The astronomical supergalactic plane [VIRGO/Pisces] is defined by the maximum concentration of these clouds of galaxies.

2. Relation to the Local Cluster Systems of the Gould Belt within our Galaxy.

COMA [in LEO (Virgo)], as well as being the location of one of our local moving clusters, is the direction where the Coma Cloud of galaxies is found -- a cloud ten times the size of our Virgo Cloud. As mentioned earlier, this cluster may be a tie-in from the cluster axis [SCORPIO/Taurus] to the supergalactic, or dual-galaxy system [VIRGO/Pisces] axis.

Do we have 3 or 4 solar motions depicted here? Is this the reason for the remark that our Sun is of the 4th Order (CF 230, 569-71, 552-4), or are 3 solar motions tied in with galactic motion in the sense that: 1) the TAURUS/Scorpio axis indicates our Sun's position with regard to the galactic center and galactic rotation; 2) the SCORPIO/Taurus axis may indicate galactic spiral-cyclic motion in consort with its 4 subgalaxies (LMC, SMC, Snickers, Gould Belt) and its 4-6 local dwarf galaxies; 3) the VIRGO/Pisces axis associated with a dual or binary spiral-cyclic galactic motion of our Milky Way galaxy with the Andromeda group of galaxies; and 4) the PISCES/Virgo axis with dual galactic forward motion within our Virgo cloud of galaxies, which cloud in turn is driven toward the hypothesized Great Attractor in PISCES?

PRAESEPE in CANCER (Leo), found on the ecliptic, may be a tie-in from the same cluster axis [SCORPIO/Taurus] to our solar ecliptic [TAURUS/Scorpio] Gould Belt and Earth orbital axis. COMA is also unique in being found in the midst of the triangle formed by the local system north pole, the north galactic pole, and the supergalactic center, suggesting a polar gravitational orientation to galactic swarming. The rest of the clusters lie on the galactic/Gould Belt plane, with the PLEIADES and HYADES clusters found intriguingly close to our Sun's ecliptic plane (657, 679). I have subsumed VIRGO/Pisces under PISCES/Virgo and included it in this (JEP 4/2, Chart 4). But both represent a new field of inquiry.

In passing, it is interesting that among the Platonic Solids, Plato assigns the tetrahedron to the element FIRE. Does this point to another dimension (spherical), in which VIRGO/Pisces represents an allowable 4th decanate in a fourth dimensional "triangle"? The three cosmic decanates may have significant correspondences to 3 coordinate systems (See JEP 4/2 [1988], Chart 4). These three plus VIRGO/Pisces may be considered the four, making man the "true triangle" (194) (tetrahedron in relation to a sphere), expressing the three divine aspects of the ONE. This seems to be clarified by the four signs ruled by Jupiter: Sagittarius discipleship; Pisces the final goal for man of the Law of Sacrifice; Aquarius the purpose of material evolution and incarnation processes; Virgo the immediate purpose of the Cosmic Christ (188-9). This Quaternary of signs is implied again in the "Alpha and Omega" of the first two Crosses: Aries (Taurus [desire]) and Scorpio ruling the Common Cross of personality development (278); Virgo and Pisces the life of the *solar* (273) disciple on the Fixed Cross (279) for "this major world cycle" (278).

There is, however, justification for interpreting DK's remark more literally, thus preserving 3 *cosmic* decanates under 1 *zodiacal* decanate of a Greater Zodiac of outer constellations. From the point of view of form and the skandhas, Taurus, Scorpio and Pisces may all be subsumed under Virgo, one of two signs (Virgo and Cancer) associated with the previous Solar System (256). This peculiar role of Virgo in relation to the 3 cosmic decanates seems to be discussed by DK at (279-80). Indeed, there seems to be some connection between Taurus and Virgo and our Second Solar System's position within the Sirian System, as delineated by the chart at (274). The evolution of the Logoc Quaternary, most influenced by the inherited

form and skandha aspects, is facilitated by the fourfold activity of Mercury (273) expressed through four signs -- Aries, Gemini, Virgo, Scorpio (357-61) (See Chapter VII, Seven Initiations, Planetary Triangles #1-3). Thus, the following table of correspondences, highly "telescoped" for convenience, is hypothesized:

Table 1

| | | | | |
|------------------|------------------------------------------------------------------------------------------------------------|------------------------------|-----------------|-------------------------------------------------------------|
| PISCES / VIRGO | ONE ABOUT WHOM... 7-Cluster Logos Cosmic Wheel 9-Constellation System | Cosmic Christ | Sirian Lodge | Monad's work on cosmic astral after 5th initiation |
| VIRGO / PISCES | (9-constellation system) One About Whom... Sirian System Logos Systemic Wheel 1-Cluster System | Central Sun (Uranus) | Shamballa | Monad (481) |
| SCORPIO / TAURUS | (Sirian System) Solar Logos Solar Wheel (CF 1031) Solar System | Heart of Sun (Neptune) | Hierarchy | Soul |
| TAURUS / SCORPIO | (Solar System) Planet. Logos Planet. Wheel Planetary System | Physical Sun (Vulcan) | Humanity | Personality |

C. SCORPIO/Taurus (381)

1. Galactic Level

A larger scale axis is described by the line-up of the Galactic Center in SCORPIO [26 (Sagittarius) 07] with edge-on galactic rotation in the direction of the cluster PERSEUS or constellation of TAURUS [7 (Gemini) 35].

Moving "down" and outward along the spiral of our galactic arm and its outer chain of clusters, we find the next "7-Cluster System" in the blue shift PERSEUS direction and focused in only two constellations (longitudinally), ARIES and PISCES [See JEP 4/2, Table B]. ARIES is found in three great conditioning triangles: Alpha UMa/Beta UMa/Aries (195-6); Aries/Leo/Capricorn (613-21); Aries/Vulcan/Pluto (196).

2. 9-Constellation (7-Cluster) Level

Nine-Constellational refers to the 7-Cluster Systems plus a large Association on either side, making nine (See CHAPTER I). In the case of our Local Gould Belt System, these two are the Orion and Scorpio-Centaurus Associations. (The open, moving, or galactic clusters with which we are concerned, as distinct from larger Associations, are found on the plane of the galaxy; globular clusters are much larger congeries and form a halo around the galactic center.)

Sidereally, the influence of the galactic [SCORPIO/TAURUS] plane, defined by the Milky Way, seems to be *focused* by the plane of our local clusters [SCORPIO/Taurus], since they are all aligned with the galactic center in SCORPIO [26 (Sagittarius) 07], their individual 1-Cluster convergence motions all focused around the star Sirius. The axis of the "7" Sirian System stars is also found on this axis, and may explain the close relationship of Sirius with SCORPIO (197-9). The three influences of Sirius, focused through Regulus in Leo, may indicate influences from 3 axial coordinate systems [Pisces, Virgo and Scorpio] pouring into our solar and planetary vehicles. This might also explain why the Pleiades, associated with the 4th and most local axial system of our ecliptic and denoted by TAURUS, are said to represent the matter aspect, to rule the physical Sun (CF 156), and condition manasic motion and evolution of the seven Heavenly Men (CF 347). This SCORPIO/Taurus axis suggests a gyroscopic motion of individual clusters within our 7-Cluster System subordinate to the

rotation of the 7-Cluster System itself, pointing from our Local System Centroid in LEO, at the midpoint of our local clusters, toward AQUARIUS and forward along the Orion Arm perpendicular to the galactic center around which they revolve as a unit. This might be taken as an explicit reference to the triangle LEO/SCORPIO/AQUARIUS (195), describing one-seventh part of "the life expression of an Identity, immeasurably superior to and more advanced than our solar Logos" (194-5), the Sirian System Logos manifesting through the seven solar systems.

The clusters of our hypothesized local system are found from TAURUS to LEO. The next "cluster system" in the chain of 7-cluster systems moving "up" the Orion arm of our galaxy, in a spiral around the Galactic Center, is found between LEO and SCORPIO in the red shift Scorpio-Centaurus region (See JEP 4:2, Table B) beyond our local Scorpio-Centaurus Association. The Scorpio-Centaurus Association itself is found between LEO and SCORPIO as well; the Orion Association being found in TAURUS. While these two 7-cluster systems, or Cluster Trains, together provide an axis along SCORPIO/Taurus, aligned with the Sirian 1-cluster System, we should point out the position of our Local Gould System Centroid at the interesting LEO midpoint [15 (Virgo) 24]. This reminds one of the three triangles: 1) Aries/Leo/Polaris; 2) Beta/Polaris/Alpha (spirit, soul, body); and 3) Leo/Polaris/Alpha (Mutable Cross) at (194). Four of the stars of Ursa Major are found here in LEO, three in CANCER.

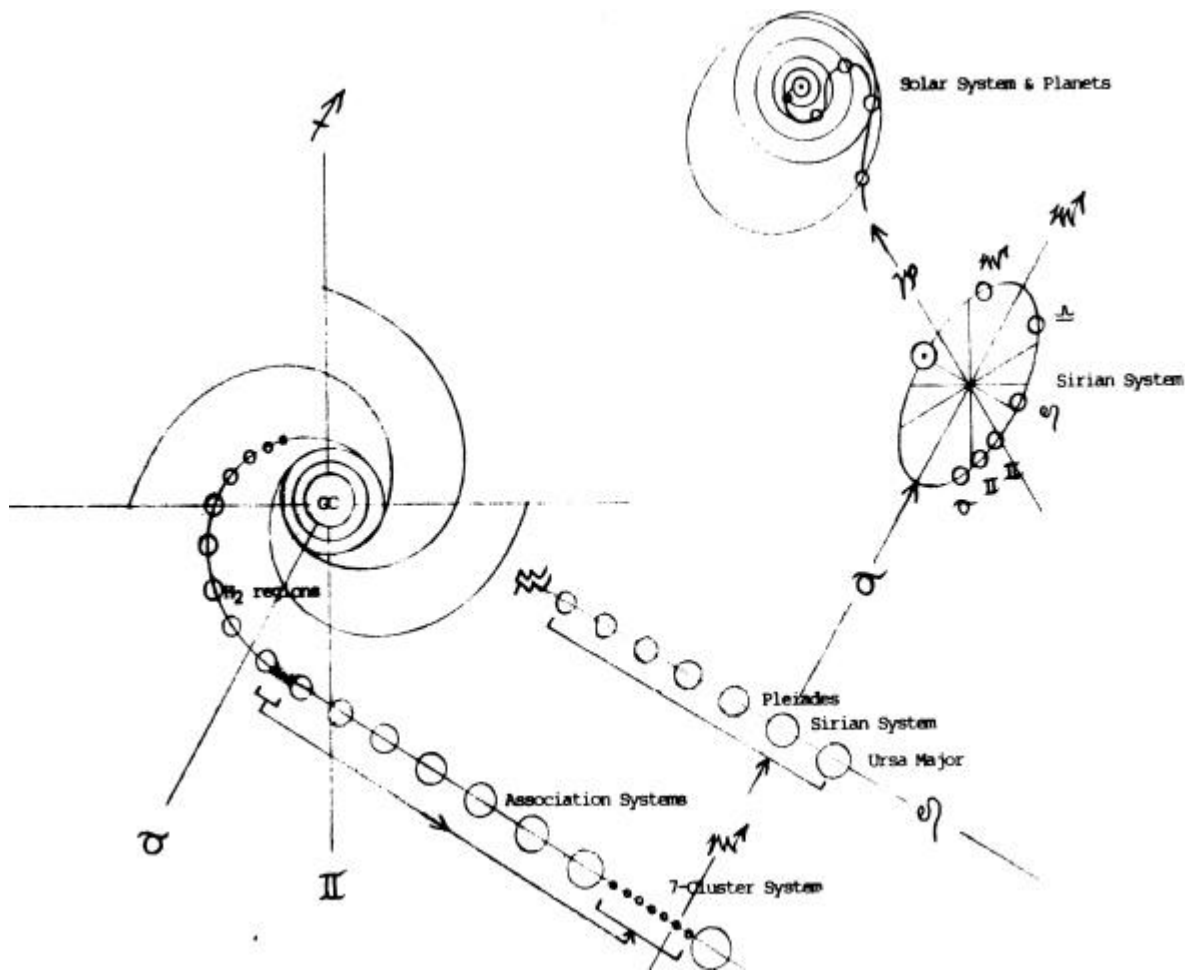


Chart 1
The Seven Cluster Systems
A Galactic Overview of the Three Cosmic Decanates

There is an intermediate level between the 9-constellational and Sirian System levels. This is tied in with the three aforementioned triangles, and explains somewhat the significance of the LEO dividing point between the 9-constellation quadrant [TAURUS-LEO] and the Sirian axis [SCORPIO/Taurus]. The Great Bear is found exactly on the LEO-VIRGO Sphinx cusp, and may explain ancient Egyptian astronomers' emphasis of this point in their elaborate solar and ritual

symbolism, since it is the axial tie-in between coordinates of Sirian or 1-Cluster System rotary motion and the 7-Cluster System or Gould Belt subgalaxy rotary motion.

This is most dramatically demonstrated by the cycle of the Pointers, given their current annual variation [AnV] values (AnV = precession motion + proper motion; proper motion is mixed, containing both "extra," or individual star motion distinct from the precession effect, plus radial [approaching, receding, diagonal] velocity; radial velocity is just a third coordinate system for motion). Now the two Pointers are found approximately 4 degrees apart longitudinally. Using contemporary astronomical annual variation in motion figures with a calculator, they are found conjunct longitudinally, or in relation to the ecliptic, Earth's orbit, in c. 3100 BC. Let us refer to the figure, 3101 BC, given at (SD II.72) for the start of the Kali Yuga, indicated as beginning at the death of Krishna (SD I.26) in the 36th year of the Battle of Kurukshetra (*Mahabharata* 16.1-3). The entire cycle would take 432,857 years, given modern astronomic motion values (27.5 min/century for Alpha; 60 min/century for Beta). At that time, their conjunction took place at [28 (Gemini) 01], 1 and 1/4 degrees from Regulus at the time, and 1/2 and 2-1/2 degrees respectively from Gamma and Zeta Leonis, both found at the present radiant for the Leonid meteor shower. All this is hinted at in the *Vishnu Purana* IV.24.32-40. It is curious that most scholarly references assume the two stars at the other end of Ursa Major to be the crucial stars in cycle calculation [John Mitchiner, *Traditions of the Seven Rishis* (Delhi: Motilal Banarsidas, 1982)].

D. TAURUS/Scorpio (382)

1. Sirian (1-Cluster) System Level

Speaking tropically, for 1570 years (Epoch 1950.0), from (134 BC)/380 AD until 2007 AD, the Sirian System has been found on the SCORPIO/Taurus axis. Its two points are transferring to SAGITTARIUS and GEMINI, at 2007 and 2548 AD respectively, involving a 500 year transition period (410), and bringing about a major alignment with the axis of star streaming and the greater PISCES supergalactic equatorial axis. GEMINI rules the Heart of the Sun as a *system*, not as the Logos (357). This, it is hoped, signifies Humanity successfully finishing its tests as a world disciple in Scorpio, and moving on to Sagittarius (203, 206, 209).

2. Pleiadean Level

The final ingress from (Taurus) into TAURUS of Alcyone in the Pleiades, to join its fellow clusters in the TAURUS-LEO quadrant around 2005 AD, suggests the great promise of this transition period into which we have all incarnated. This Taurian position related to the Pleiadean source of planetary manas may be related to solar *systemic* absorption of cosmic prana through the SCORPIO/Taurus axis associated with our Sun/Sirian System within the Milky Way galaxy (CF 99), while reminding us of the triangle TAURUS-Scorpio/Earth/Pluto, producing so much promise and difficulty today (376), channeling energy down the Orion galactic arm, into two non-sacred planets. This is further stepped down to planetary levels by the triangles PLEIADES/AQUARIUS/TAURUS (See Sirian Motion, #8, below), Uranus/Mercury/Earth, and by the close karmic relation expressed by the triangle TAURUS/Venus/Earth (383). Taken altogether, these are the alignment of planetary Monad (Sirian Logoic), Soul (Pleiadean Heavenly Man), Personality (Venusian Divine Manasaputra), and dense (Earth Entity or Globe) vehicles (CF 347).

3. Solar Ecliptic Level

The Sun's "north node," or the intersection of the Earth's orbit/ecliptic with the solar equator, associated with the plasma sheet of solar wind, is found in heliocentric SCORPIO, geocentric TAURUS [15 (Gemini) 04], conjunct or opposite the galactic center in SCORPIO. Thus there may be a good argument for using the "south node" from the heliocentric point of view.

Referring to Patrick Alessandra's article (JEP 3/2), if it is true that Orion and Ophiuchus will, in some distant period, displace the signs of the zodiac as we are familiar with them today, this will position at least three more of the stars of the Sirian System closer to the ecliptic (Alpha Ophiuchus, Alpha Corona Borealis, and Sirius itself). Delta Leonis and Procyon are already positioned quite close to the ecliptic.

Four of the Ursa Major stars are found perpendicular to this axis in the constellation LEO, while the remaining three are found in the solar sign of (Leo).

**Table 2
The Galactic Atom
and the Three Cosmic Decanates**

| ANDROMEDA / MILKY WAY COMPANION GALAXY DUAL ROTATION | | | | | |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 2.5B-year Cycle | PISCES / CETUS Galactic Streaming perpendicular to Star Streaming on GEMINI/SAGITTarius Axis | PISCES Union with Andromeda twin galaxy (4B years from Present) | | | |
| GALACTIC ROTATION / CLUSTER-TRAIN SPIRAL MOTION | | | | | |
| 220M-year Cycle | PISCES / ARIES Direction of next 7-Cluster System | VIRGO/PISCES Plane of 0 radial velocity among local clusters | VIRGO/PISCES 7-Cluster rotational <u>axis</u> defined by <u>Galactic</u> Streaming | GEMINI/SAG 7-Cluster rotational <u>Plane</u> – defined by <u>Star</u> streaming | SAGITTARIUS South Galactic North Pole; Ursa Major/Sirian System convergence point; Solar Apex; star Sirius in GEMINI |
| GOULD BELT (LOCAL SYSTEM) SUBGALAXY ROTATION | | | | | |
| 27M-year Cycle | VIRGO Our Milky Way Galaxy situated in VIRGO Cloud of galaxies; VIRGO Cloud subordinate to Great Attractor in PISCES | Possible rotation of Gould Belt itself as it is carried along Orion Arm around Galactic Center. | Hence the possible explanation of a greater frequency of collisions at 27M year periods, as stars in the Gould Belt pass up and down through the Galactic Plane during rotation | "Extinction" Cycle | |
| POSSIBLE NUTATION OF PRECESSION CIRCLE (25K x 100 = 2.5M) (See Chart 2) | | | | | |
| 2.5M-year Cycle | TAURUS Galactic rotation edge-on toward | TAURUS/ PERSEUS/ ANDROMEDA | SCORPIO Galactic Center | SCORPIO Scorpio/Centaurus Association Pole | TAURUS Orion Association Pole |
| POSSIBLE SIRIAN SYSTEM SPIRAL MOTION | | | | | |
| 250M-year Cycle | AQUARIUS Orion Arm direction; circular solar motion round Galactic Center [16 (Pisces) 39] | LEO Local System Centroid; Ursa Major center; strong infrared radiation source | TAURUS to LEO Local Cluster Quadrant | SCORPIO/TAURUS Sirian System stars moving closer to Ecliptic with ORION/OPHIUCHUS | |
| SIRIUS / SUN DUAL ROTATION WITHIN SIRIAN SYSTEM | | | | | |
| 25K-year Cycle | TAURUS/SCORPIO Sirian System moving into – | GEMINI/SAGITTARIUS | AQUARIUS Greater Round Aquarian Age (5000-year transition [EA.409]) | LEO Regulus moving into LEO | TAURUS Polaris moving from Taurus into GEMINI |
| PRECESSION AGE within 25K-YR PRECESSION CYCLE | | | | | |
| 2200-year Cycle | AQUARIUS Lesser Round Aquarian Age (500 year transition) | SCORPIO/TAURUS Sirian System moving to | SAGITTarius/GEMINI aligning with PISCES | VIRGO Regulus moving to VIRGO in approximately 2.5K years | |
| 250-year Cycle | PLEIADES position changing from ARIES to TAURUS | Monad PLEIADES/ AQUARIUS/ TAURUS | Soul – TAURUS/SCORPIO/Earth/Pluto (250-year orbital period) | Personality – TAURUS/Venus/Earth | Dense – Uranus/Mercury/Earth |
| 22-year Cycle | SOLAR NODE (Equator to Ecliptic) | SCORPIO Heliocentric Node | TAURUS Geocentric Node | LEO / (Virgo) 5 Ursa Major stars | CANCER / (Leo) 3 Ursa Major stars |

THREE WHEELS OF PLANETARY MOTION

Before suggesting nine cycles observable in planetary and solar life as being related to the three cosmic decanates through three axial coordinate systems (ecliptic, galactic, supergalactic), it must be kept in mind that the shift in orientation of the Earth's axis incident upon the initiation of our Logos (CF 1055-6) makes exact numerical correspondences very rare (408). However, so many interesting "coincidences" are found that perhaps undue skepticism can for the moment be suspended in the interest of a more thorough future examination.

TAURUS/Scorpio COORDINATE SYSTEM

1) Reversed (1 or 25 [11/22] Years).

On Earth, the planets seem "stationary," passively carried in reverse sign order across the sky during the course of a night's observation, one complete reversal of the zodiac taking place in a year. On Earth, the seasons associated with the "(Cardinal)" axes during the orbit of the year, ignore precession. The stars appear to revolve around the Earth, with the pole star apparently indicating axial inclination of a celestial sphere. The planets, the old "wandering stars," appear to move forward.

This way of looking at the sky refers to the 12 HOUSES of the Lesser Zodiac (30). The 12 Houses represent the planetary sphere conditioned by the solar force of the Logos' etheric and dense beating heart, the solar maxima period of 11/22 years (SD inside cover). The 12 Houses relate to the 3rd aspect of the Science of Triangles, the planetary and human centers (EA 407).

Thinking about the prior paragraph, and considering the fact that we are starting with multiples of 25, a paradigm which has been derived from an hypothesized 5 tiers of 5 petals each, surrounding a double jewel as the planetary Logos' causal body, it might be interesting to take it backwards from 1) by 3's, the number of human causal tiers and petals. Here is what results:

- a) 25 [22] years, x 3 = 75 [66] years.
Human average life span.
Resonance: Venus, Chiron, Jupiter, Saturn, Uranus.
- b) 2.5 [2.2] years, x 3 = 7.5 [6.6] years.
Human developmental period.
Resonance: Moon, Saturn, Uranus.
- c) 3 [2.64] months, x 3 = 9 [7.92] months.
Human gestation period.
- d) 9.12 [8.03] days, x 3 = 27.36 [24.09] days.
Solar core rotation of 27 days (S&T 6/89, p. 584)
Solar differential rotation period at equator (24-25 days).
Hypothesized biorhythms.

2) Forward (250 [c.248] Years).

From the point of view of the Sun's and Earth's north poles, and orbitally, the planets seem to move forward through the signs. The retrograde illusion is only perceived on Earth, not heliocentrically, except perhaps from Sirius or the Pleiades. Here the Earth revolves around the Sun and the seasons seemingly ("actually" only at Milankovich present) depend on the axial inclination of the Earth's poles, about which more later. The precessional axes have been Mutable [Pisces] constellations for 2000 years, and are becoming Fixed [Aquarius] constellations for the next 2000 (351).

The wheel moving forward would be indicated by the progression of the planets forward through the signs/constellations in the three aspects of their orbital periods: 1) global position harmonics; 2) heliocosmic and cyclic higher harmonics; and 3) nodal circuits. This refers to the 12 PLANETS, or the long body of the solar system contained within the 248 year orbital cycle of Pluto, the Planetary Dweller and -- with his consort Persephone, both Lords of the Mysteries -- the bringers of death and rebirth, health and enlightenment (SD II.30). Pluto's orbital distance (c. 40 astronomical units [AU]) falls just within the heliosphere (50-100 AU) and halfway to the heliopause of our solar system, as affirmed by Pioneer 10. The heliopause is found just outside the hypothesized orbit of Transpluto (78 AU), at twice the distance of Pluto. The heliopause is the threshold where plasmas of the solar wind, or heliosphere, meet the pressure of galactic plasmas, cosmic rays, and magnetic fields; the height of 11.2-year solar sunspot cycles and cosmic ray influx into the solar system being inversely correlated.

These three aspects of planetary motion represent the Force of the planetary triplicities, or the 2nd aspect of the Science of Triangles.

3) Reversed (2500 [c.2200] Years).

The precession cycle carries the equinoctial point apparently backward, sequentially through the signs or constellations; the wheel is again reversed. This refers to the 12 zodiacal Ages of c. 2200 years within one complete 25K cycle.

This third revolution takes place within the Greater Zodiac (31), and represents the Energy of the constellations pouring through the planets, or the 1st aspect of the Science of Triangles (407). All three aspects of this Science might be said to veil the three Aspects of the manifested life of the planetary Logos (420).

Only after the 3rd initiation do the 3 (12) constellations of the Great Outer Zodiac begin to be registered in consciousness (80).

THREE WHEELS OF SOLAR MOTION (FIXED - Reversed Wheel)

SCORPIO/Taurus COORDINATE SYSTEM

The following sketch attempts to formulate another model by indicating several more orders, in ascending inclusivity, of astronomical observation. Each section contains a fragment of the next stage of perception, and in a way outlines a history of astronomical science, pointing to new and unexamined observational possibilities. In this section we will be speaking primarily of constellations, and signs will be indicated by parentheses. The first of these Three Wheels is reversed, the second and third motions are questionable.

DK definitely relates the first of these three solar motions to the "Reversal of the Wheel" which takes place in Scorpio (166,219-20) or the Fixed Cross. But he may be referring to all 3 solar motions for the Fixed Cross, given the 3-fold Sun expressing itself through these 3 Motions (678), and the fact that this Cross inherently expresses light and consciousness (554-5,484). This planetary/solar threshold also indicates the distinction between exoteric and esoteric astrology (145). The 25K year precession cycle is mentioned by DK as the specific cause for the phenomenon of the clockwise or Common wheel (276).

4) Reversed (25K Years).

Within the entire 25K year precession cycle, the (19-23)42K year Earth axis inclination cycle has relevance, alternately mitigating seasonal differentiation or enhancing it as at present (close to maximum inclination), because of the Earth's elliptical orbit (CF 1055-6). This is also the mean duration of the planetary nodal circuit cycles. However, the 42K year cycle interacts with a (51)102/413K year Milankovich cycle wherein the orbit of Earth alternates between a circle and an ellipse, and which also alternately mitigates and enhances seasonal extremes. These latter two cycles within the solar Milankovich 102K year cycle, have been found responsible for periods of Earth glaciation. The rotation of the solar atom *approximates* but does not correspond to 100K years (CF 1057) and turns to face 10/12 different *zodiacal* constellations, in other words, *ecliptic sectors* of galactic prana absorbed by the churning heart of the solar atom. The constellational Entities or great Lives (493) are undoubtedly great solar Devas found on cosmic buddhic subplanes (CF 1226), mediating influences from the 4th etheric Sirian System physical subplane (See CHAPTER IV, Table A, The Planes).

Polaris is in late Taurus(Gemini) along with the Sun's north node, both eventually moving into MUTABLE(Cardinal), GEMINI(Cancer). Being found at very high latitude, longitudinal alignment is difficult to calculate. Nevertheless, Polaris will align with the Sun's Apex in SAGITTARIUS (Capricorn), probably around the year 2206 AD, remaining there for approximately 2000 years. The Sun's node, of course, moves much more slowly, indicating a cycle of greater magnitude, and so will not move into this axial system until about (20,000) years from now. This longer-term periodic alignment with the Sun's Apex apparently indicates solar axial inclination, especially in the context of the Orion/Scutum--Cancer/Capricorn--(Leo)/(Aquarius) axis of star streaming in its galactic sense. (More locally, *apparent* streaming is found on the Lepus/Pavo axis. One begins to get a feeling that the Great Illusion should be nicknamed the "Great Onion.") Calculations will undoubtedly have to be modified by interaction with a higher correspondence to the Milankovich cycle, perhaps on the order of 10M years or so. The equinoctial points are presently on the VIRGO/PISCES (Libra/Aries) axis of galactic streaming. Chiron and Transpluto (308) presently find their nodes on this axis. The Sun's node, when it eventually enters this axial system, should prove to be a very long interesting period of evolutionary history.

Do these periods represent the relation between the solar permanent atom axial revolution (four 25K-year cycles) within its sphere and those of the planetary permanent atoms? This 102K year period seems to indicate the *First Solar Motion*, including unknown periods ruling the differential rotation of the Sun on its axis, as well as the rotation of the solar atom in its orbit round a greater center, which DK indicates is only *approximately* 100K years (CF 1057).

5) Reversed/Forward? (250K [c.220-206K] Years).

The 10 (12) cycles of 25K years constituting the 250K Round cycle (409-10) move backward through the constellations; recently moving *out of* Pisces into Aquarius and entailing a 5000 year transition period starting 2000 years ago when the lesser cycle of 2300 years moved *into* Pisces (409). DK is explicit in this regard when mentioning 25K year cycles within the 250K year Round period of the greater Zodiac (EOH 567). Even though Aquarius "governs the greater immediate cycle of 25K years," (EOH 567) Pisces is *presently* still governing the 25K cycle during this 5K year cycle of transition; hence the apparent confusion.

Though there is no explicit indication from these prior three references that the greater round *begins* in Pisces, it is stated as such (352) in relation to an implied *cycle or Round of greater rounds* of 250K years each, where Gemini was once the initiator of this cycle. If a greater round of 250K years is composed of 25K year cycles, there must be ten to complete the greater round, one for each of the planetary and synthesizing schemes. However, we know nothing of the 250K year cycle -- it may, for instance, start in "Gemini" for three or more cycles before moving to another sign. Although the passage at (64) seems to imply a third reversed motion in cycles of this magnitude, this may be mistaken. Around 87 greater round cycles have occurred in the 21+M year period mentioned, and the cited progression from Sagittarius to Leo and Gemini may be arrived at equally plausibly by a cyclic motion from Sagittarius through Pisces to Gemini, as by the reverse inference (See Motion #8 below). In other words, the passage at (352) does not indicate whether the 250K year cyclic initiation points have moved from Gemini to Pisces either forward or reversed; whether the next beginning of the 250K year cycle is Aquarius or Aries. Since planetary initiation is associated with an axial shift (408-9; CF 1055-6), perhaps it is Aries (482). Then there is the constellational distortion factor which must be taken into consideration at this magnitude, unless specific *local* stars moving along with our *local* system are the true signifiers of the term "constellation."

This period might be considered to indicate our Sun's place in the axial inclination of the Sirian System as a whole. The 7 solar systems have a unique impact upon the soul and its ray, stepped down through the 12 constellations and 7 sacred planets (WM 437-8). These 7 are related to 6 other Cluster Systems found heading out from the Galactic Center -- as though in alignment with galactic-center kundalini at its base -- toward Sirius, and paralleled by 7-Cluster Systems between the H-II regions strung like pearls on the spiral arms of the Galaxy. It is possible these clusters or constellations have impact through the monad.

In examining Earth's magnetic field change in rock cores from all over the earth, and the volcanic extrusion process along the mid-Atlantic Ocean Ridge, scientists have found 171 magnetic reversals in the past 76 million years. The mean period derived from these figures would be 444,444 years, close to the solar 413K year Milankovich period, and its half-cycle would be around 222(206)K years. These two cycles bracket another mean (428.5) -- quite close to the 432K year factor period for the yugas, the length of a Kali Yuga.

This may indicate the *Second Solar Motion*, or a spiral-cyclic interaction *within* the Sirian System, at right angles to the Orion Arm itself, the spiral motion facing alternately out toward the Orion Association, and in toward the galactic center during its motion around the Galactic Center, along the Orion Arm.

At this point we must begin to ask ourselves how differently the constellations begin to appear as we progress to larger and larger time cycles -- 250K years of 10 (12) precession periods is probably a major distortion threshold. It would be interesting to carry out a study within this time frame of all our present zodiacal constellations, first to see how recognizable they would be, and second to determine which of the "traditional" 12 hold together as an actual or coherent group with their major stars. DK seems to hint at Capricorn, Gemini, Leo, Pisces, Taurus, and Virgo (676-9), and with an unattributed quote: "Virgo is inseparable from Leo and the Pleiades and the Hyades" (679). Curiously, these constellations/signs are all those that serve as "tie-ins" with higher order cycling within our cluster system and axial coordinate model.

6) Reversed/Forward? (2.5M Years).

This represents a period of 10(3/7) or 12 Round cycles, forming a circle with the spirals of the precession circle around the directional point of solar forward motion round the galactic center. As hypothesized earlier (S3-7CS), if we have the case of another reversed wheel, the most recent Gemini cycle (352), would have started close to 2.5M years ago, only 1M years ago if forward and not reversed. Interestingly, 1M years ago, Sirius occupied a position on the border of our present "constellations" or zodiacal sectors of Cancer and Gemini, very close to where Castor and Pollux are found today. Of course, Castor and Pollux were then found in different locations themselves.

This stage may indicate the third strictly Solar Motion, or forward/spirallic alignment along the Orion Arm, which faces "down" the chain of cluster systems toward Perseus, as the galaxy expands according to the parameter of star streaming. This expansive outward movement of the galaxy veils the *forward/spirallic* motion facing *up* the Orion Arm created by the *spiral-cyclic* motion of the entire precession "circle" of pole stars. This motion creates what appears as a tunnel around the

directional point (found between Cygnus, Lacerta and Cepheus) of greater right-angle motion round the galactic center. This is posited for several reasons: 1) the divergence between the Solar Apex and the point of perpendicular solar motion round the galaxy; 2) examination of these two points, particularly the Apex in Hercules (Capricorn), in relation to the (Capricorn) convergence/radiant of the Sirius System and Ursa Major cluster systems, taken together with the position of Polaris within the precession circle of pole stars; 3) consideration of the fact that the pole star approximately 17 precession cycles ago (425K years) was double, formed by Capella and Aldebaran, and close to where Vega is now located, the Ursa Major System being found very close to its present (Capricorn) convergence point (*S&T* 5/89, p. 532). Looking at the graphic polar projection representation of these motions in Chart 2 makes this hypothesis clearer. I suggest the (Capricorn) convergence point retrogrades through the local constellations along with this cycle of approximately 2.5M years; this is exhibited by comparing the two positions of Ursa Major which is now found in (Leo)/(Virgo), and the star Sirius, which has moved from a position close to where Procyon is found today. Of course, just viewing the movement of Capella from its prior pole star position (*S&T* 1/89, 531-3), and which has also been hypothesized by astronomers as constituting a distant member of the loose Hyades cluster, makes the degree of constellational distortion "apparent."

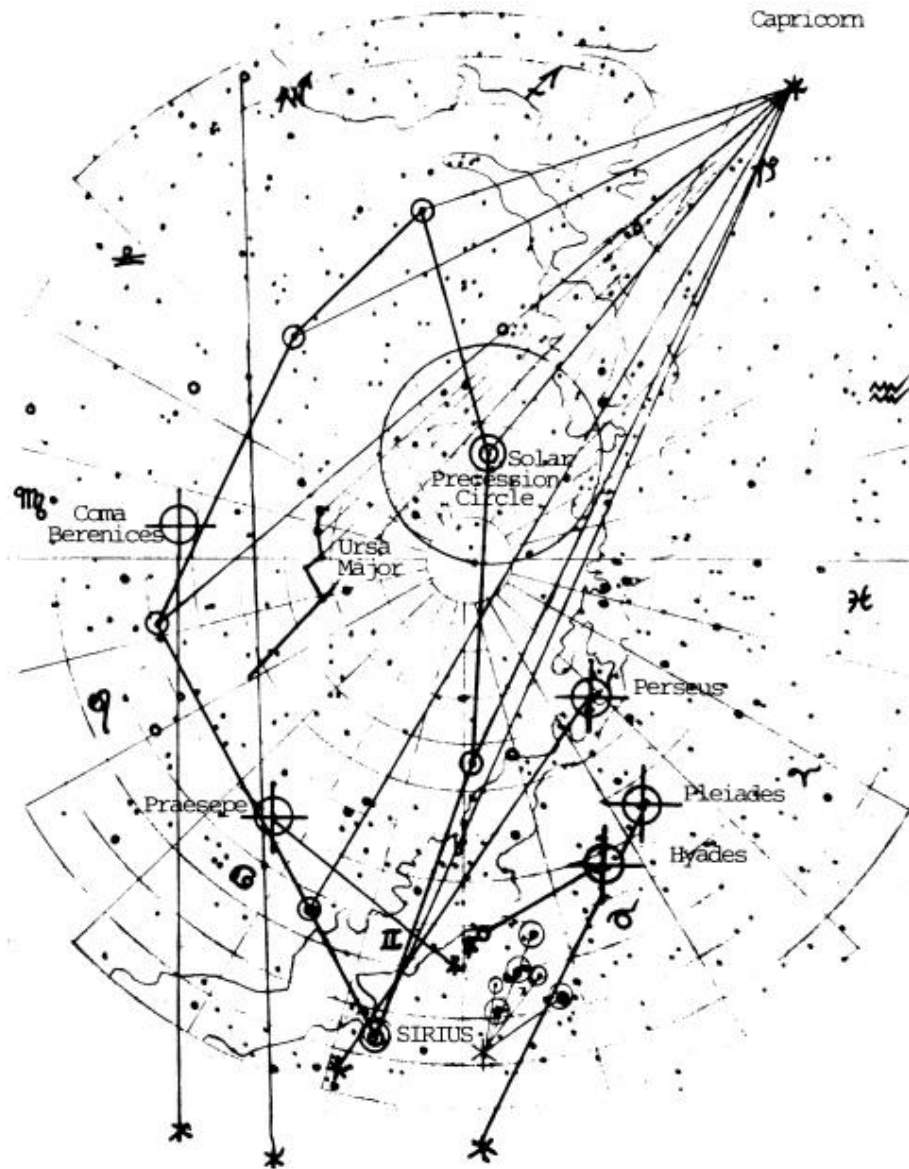


Chart 2
Local Cluster Systems
Polar Perspective

This *forward/spirallic* or third Solar forward motion, describes the slow forward revolution of the Sun -- by virtue of its being a member within the entire 7-Cluster System -- up through the dense plane of the galaxy to the point above the galactic plane where it is found today, symbolized by Ursa Major's current position in VIRGO, then down through the galactic plane to a place below it, in the PISCES direction. This is reinforced by the cluster radial velocities in relation to the PISCES/VIRGO axis, mentioned under Section B above. It is visualizationally challenging but illuminating to compare in one's mind these radial velocities with distances of the local clusters, in such a way that the 7-Cluster System rotary motion becomes "apparent."

SIRIAN SYSTEMIC MOTIONS? (CARDINAL - 4th Dimensional Motion, "Third Reversal")

VIRGO/Pisces COORDINATE SYSTEM

Here we come to what seems to represent the first of three Sirian System motions associated with what DK calls the Three Major or "Intimate Constellations." Here is the distinction between cosmic (Sirian) and zodiacal (solar-related) streams of energy (427), the point where zodiacal "constellations" are definitely distorted beyond recognition, but where esoteric higher order groups such as VIRGO and the Three Major Constellations are maintained and denote cyclic "ratcheting" within the cosmic "clock."

It is at this stage that "forward" and "reversed" motions become somewhat irrelevant, and the symbol of the great coiled cosmic serpent strikes at one's imagination. Given the validity of these Nine Motions and their axial foci, the names Dragon of Wisdom and Lion of Cosmic Will for solar and Sirian mentally-focused Entities respectively, become truly evocative.

7) Mixed (25M Years).

100 of the 250K Round cycles, examined and refined in conjunction with the current scientific approximation of 413K for a Milankovich figure, gives us 25.8M years, very close to the 27M extinction cycle. If it is roughly calculated with the recurring Pointer ecliptic alignment cycle of c. $432,857/(431,655)$ years, it gives $27.053/(26.978)$ M years.

Here we have examined the periodic alignment of Alpha and Beta UMaj, using current astronomical proper motion values. The last alignment occurred at 3101 BC, exactly where HPB says the Kali Yuga began (SDII.72). They conjoined longitudinally at [28 (Gem) 01] tropical, close to Regulus [26 (Gem) 47] and the two stars at the radiant of the Leonid shower, Zeta and Gamma Leonis at [25 (Gem) 20], and [27 (Gem) 23], respectively. Of course this occurred at Regulus and hence in the *constellation* LEO. Given this relatively short time span of 5000 years, constellations do not become distorted, so LEO does indeed dominate here.

The most recent explanatory hypothesis for the 27M year cycle argues against both the "*Planet X*" and the "*Nemesis Twin Star*" theories, but suggests the nodal circuits associated with rotary motion of the solar system within its Gould cluster system plane in and out, above and below the dense region of the galactic plane (*Cycles* 39:1, 1/88).

The three influences of Sirius are said to be focused through Regulus (300). During the process through which a non-sacred planet such as our Earth becomes sacred (267-8; EOH 566-8,107-9), and then identifies with the solar Logos, the three Intimate Constellations exert their influences sequentially: 1) Sirius; 2) Pleiades/Sirius; and finally 3) Ursa Major/Pleiades/Sirius -- or the throat, heart and head centers of the solar Logos' etheric/dense physical body of manifestation (504). These three could be said to denote 3(2) FOHATIC streams, corresponding to Three Wheels, and representing an *analogy* to the three periodic vehicles of planetary, solar and Sirian Logoi, emphasizing the Sirian and solar impact on planetary levels through Creative Hierarchies and Kingdoms. It is suggested here that Sirius rules the 25M, the Pleiades the 250M, and Ursa Major the 2.5B year cycles, all subsumed under a Sirian Systemic motion *analogy* to the threefold Sirian LOGOIC periodic vehicles expressing through its threefold Sirian TRIAD and "PERSONALITY." These nine cycles can be looked upon as planetary, solar, and Sirian analogies to the Three Intimate Constellations: 3 Planetary cycles expressing the solar dense and planetary Personality; 3 solar cycles expressing solar Personality and planetary Soul; and 3 Sirian cycles expressing solar SOUL (= Sirius [CF 592]) and planetary MONAD. These nine represent the human reintegration process within the context of planetary manifestation, entailing the ninefold downflow into the causal body which occurred during individualization, attaining full consciousness through 6 or 9 planetary initiations, depending upon the choice of Seven Paths the Chohan at the 6th degree takes upon the Way of the Higher Evolution.

8) Mixed (250M [220M] Years).

Eight of the 27M year extinction cycles would give us a figure of 216M years, close to the current galactic rotation period for our Sun of 220M years, and exactly half the 432 factor associated with the Kali and Maha-Yugas (SDII.72-3), in turn constituting a harmonic interval between the two periods (432K and 4320M). The irregular Gould Belt may well rise and

sink above and below the plane of the galaxy many times during one galactic rotation -- but due to its own *rotation* as a system, perpendicular to our galactic arm, thus maintaining its integrity through a kind of gyroscopic equilibrium in its relation to the galactic center. This suggests the influence of a greater Andromeda/Milky Way axial period, since our Sun, within the Sirian System within the 7-Cluster System which approximates the Gould Belt or mini-galaxy itself, must cross the galactic plane twice during one rotation, thereby delineating an unspecified number of nodal points, "north" and "south," depending on the number of Gould Belt revolutions during one galactic rotation. Eight 27M year cycles thus suggests 500 revolutions of 432K years during 1 galactic rotation.

Interestingly, the Andromeda and Milky Way galactic groups are approaching each other spiral-cyclically and may merge into an elliptical galaxy less than 4B years from now (*Christian Science Monitor*, 6/18/87). This larger picture begins to look like one gigantic galactic atom with seven spirillae, starting with the solar heartbeat of 11/22 years on up to the 27M year "extinction" cycle, Vulcan and Neptune in opposition (CF 597), the solar Laws of Vibration and of Sacrifice, respectively (See also TABLE 1).

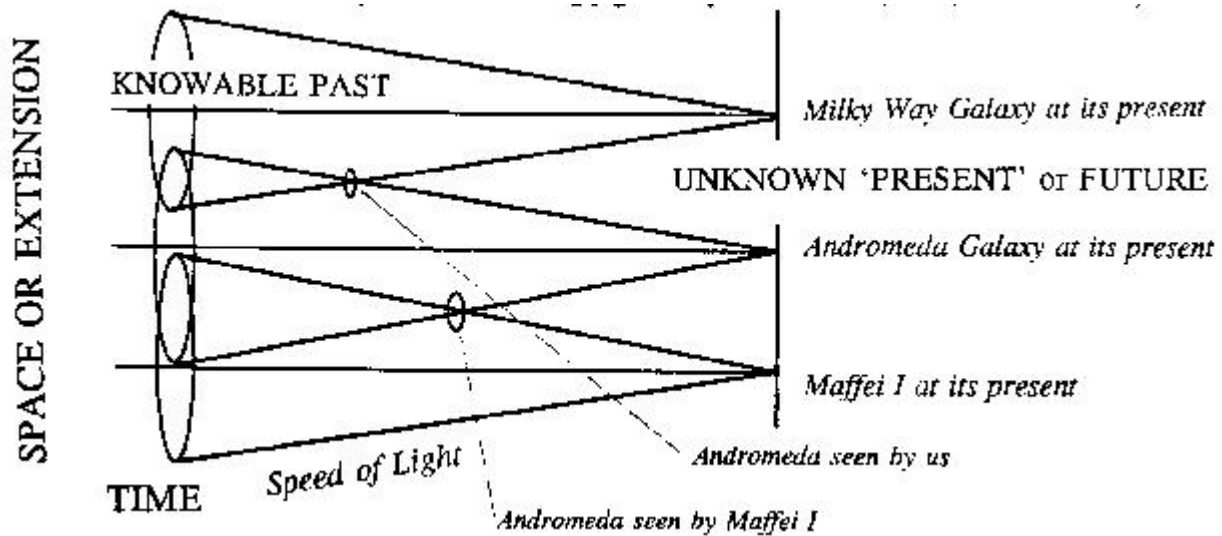


Chart 3

Human Astronomical Perception of Time Andromeda and Milky Way Galaxies

This rotation of the Sirian System within the Gould Belt, along our Orion Arm, around the galactic center, may be intriguingly described by a recent article on Sirius in the Dutch astronomical yearbook *Sterrengids 1989* (*S&T* 3/89, 287-8). The fragment of Sirius' sine-wave motion in relation to our Sun, depicted in *S&T*, seems to suggest a sine period or sine expression of Sirian Systemic revolution, at right angles to the Pleiades, of about 27M years. This is purely a guess based on the abovementioned graphic representation, but is compelling, particularly given the point in Sirius' spiral-cyclic motion *closest to our Sun*, 60K years from now, coinciding with Beta Columba, the convergence point of both the Scorpio-Centaurus Association (Burnham III.1670) and the Pleiades, and close to that of Orion (*Astrophysical Directions II*, p. 74; See also P. Alessandra, *JEP* 3:2, p. 59).

Perhaps one could concur that our Sun, within the 7-Sun Sirian System, within its 7-Cluster Gould Belt system, is rotating around "Alcyone" in the Pleiades, the one Pleiadean star associated with another one star of Ursa Major triangulated with our single Sun (31, 11-12) within the Sirian System, otherwise named the Seven Solar Systems. In this case, our Sun assumes the aspect of forming solar spiral-cyclic "Siriocosms" with respect to alignment to Sirian System orbital motion of star Sirius itself, and with the solar global positions of the other 5(10) suns. Our Sun may have "Siriocentric" as well as "heliocentric" nodal axial alignments in its solar forward motion circuit round the 7-Cluster System ROUND, related to Sirian System spiral-cyclic motion. The Pleiades could be but a temporary focus during a 7-Sun CHAIN period. Lastly, this may be implicated in the planetary "Round" triangle (374-6) of AQUARIUS (Greater and Lesser Rounds), TAURUS (Beta Columba at [25 (Gem) 43]), and Alcyone in the PLEIADES (See Section C.2 above), Beta Columba situated halfway between Scorpio-Centaurus and Orion convergence points, very close to the Pleiades convergence point. This may be one of the reasons nearby Lepus is called "the eternally pursued" by Aratus -- all the cluster convergence points encircle it along with the Greater Dog!



Figure 1. Kylix of Young Orion Chasing Lepus
around the Pleiades and the 5 Cluster-System convergence points.
(See *JEP* 4/2 [1988] 37-69)

Looking at this sine wave of Sirian System motion (Chart 2) moving like a serpent alternately above and below the ecliptic, one sees that, given the preservation of present sectors of the ecliptic, or zodiacal "constellations" tropically speaking, the *sequence* of the Approach (Sagittarius), Individualization (Leo), and Foundation of Hierarchy [Gemini] in relation to the appearance of the 4th Kingdom on Earth, would be preserved in the order presented by DK at EA 64 when tracing back the Sirian sine wave through our present "constellations," IF their major stars remained in some sort of coherent relationship to one another. It must be remembered that DK defined constellations as coherent *systems of stars* moving together (EP1 152), while our traditional zodiac only represents *sectors of space* or solar influx along the ecliptic, in human sky charts. The stars in these sky-chart sectors are a random grouping of stars in terms of distance, spectral type, magnitude, motion, etc. Perhaps this is the sense in which DK remarks upon constellations as "galaxies" of stars (621), since so many diverse and unrelated stars, clusters and galaxies pass through a "constellation"-al sector, while signs remain part of the solar systemic physical constitution and concentrate the influences coming from appropriate regions of space, given the relevant cyclic period of solar systemic evolution under consideration. If this cohesion of zodiacal constellations applies, then perhaps the ancient sign of the Ourobours signifies more than just the symbol of Draco presiding over the Pole Stars — the Sirian System initiating the IVth Creative Hierarchy on a planet destined to become sacred, with the help of Ursa Major, Venus and the Pleiades.

This point of view is emphasized (asserted, rather) again (268) when speaking of signs and their "attendant" constellations in the context of the Creative Hierarchies or the Sirian System "dense [PERSONALITY]," solar "physical [Soul]," and planetary "personality [monadic]" planes. The Creative Hierarchies are neither planetary nor systemic (268), but Sirian Systemic (CF 1225-6). They constitute skandhas or inherited form and dense levels on Sirian or seven solar system levels, organized by solar chakra energy and petal substance, receptive to the seven Rays (CF 704). This is clarified by the teachings of the SON and the Sun, his physical personality vehicle (CF 227-36) and the solar Logoic evolution from astrally polarized Personality to cosmic mental polarization (CF 257-8) — although already having built the planetary antaskarana (CF 349). This is tied in deeply with the mystery of the Five Kumaras, the karma of a previous solar system, and the Vth Creative Hierarchies.

It is interesting, however, that in just the page previous to his remarks on the foundation of our Hierarchy (63), DK reviews the precessional tropical/sidereal dichotomy and remarks "When we state, for instance, that the Sun is 'in Aries,' it conveys an *esoteric truth* but not an *exoteric fact*" (emphasis mine). This is the reverse way in which we would expect it to be expressed, scientifically speaking. Its interpretation is dependent upon point of view (256, 20). This may imply that mention of "constellational Entities" (9, 257, 621) refers either strictly to the Logoi entifying the Three Intimate Constellation systems, or to great Sirian or solar deva lords regulating the skandhas inherited from previous cluster or solar *systems* which together constitute the "Sea of Fire" on cosmic and solar Atomic or Logoic planes (CF 43, 79).

Another interesting observation is our system's situation at the head of what appears to be a budding new galactic arm. The Perseus arm is next shortest, and along with the Orion Spur, could illustrate a process of galactic arm formation at unspecified galactic periods of about this order (250M years), perhaps associated with subgalaxy or Gould Belt-type formation and dissolution. Perhaps many more Gould Belt-like subgalaxies are yet to be found.

9) Mixed (2.5B Years).

Multiply this figure by two and we come to modern astronomy's "Globe" period of the age of our planet Earth, now set at around 4.7 billion years. A period of approximately 4 billion years is expected to elapse before our Milky Way galaxy's union with Andromeda and her attendants.

* * * * *

This 9 stage model may serve as a first clue to deciphering the periods and cycles of what is called the "Day" (432B solar years) and "100 Years" (_____ solar years) of Brahma in ancient Brahmanical texts. We should have a more accurate figure for the galactic rotation period within the next decade, given the advent and utilization of new telescopic probes and supercomputer technology. The Day of Brahma is said to come to an end at the 30th degree of Capricorn (SD II.6.2). Does this signify the present position of the (Capricorn) convergence/radiant just emerging from the 30th degree around the start of the most recent Kali Yuga, and at the beginning of a new Greater Round of 2.5M years? Or is this radiant point related to a cycle of greater magnitude?

Since in these 9 reversal cycles (temporal planes) we are dealing with coincidental correspondences to multiples by 10, perhaps we are dealing with the solar Entity's relationship to the Supercosmic Logoic System of 10 clusters from our abovementioned planetary causal viewpoint. This might express the actuation of a *solar* scheme within this vaster *system*.

It is also of interest here to note DK's remark, in the context of 9 reversals, that the Cardinal Cross is a combination of both the Mutable and Fixed Crosses (151-2), in fourth dimensional rotation.

I. RECENT QUESTIONS IN THE ASTRONOMICAL COMMUNITY

Lately, questions have arisen regarding whether the current measurement of red shifts in galaxies and stars accurately indicates distance (recession), or indeed affirms the "Big Bang" hypothesis' theoretical and relatively stable outward thrust, as measured by the Hubble relation, from a single grand creative beginning. A few interesting exceptions have lately been discovered (*Scientific American* 10/87). The bubble or foam-like structure of galactic clusters just discovered (*Boston Globe*, 1/27/86), as well as the phenomenon of *galactic* streaming (*SA* 9/87; *AJ* 12/1/87), and the interaction of quasars and gravitational lenses have caused a lot of excited discussion and the sense that a new "Copernican" revolution in astronomy is on its way.

This ferment might serve to encourage further study of local systems groupings such as this hypothesized one, and argue for relative motions within a more hierarchically ordered and stratified network model of universal structure, a vision more directly appealing to esotericists.