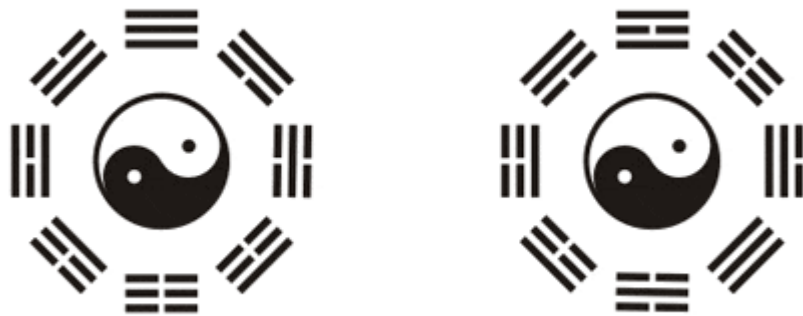


Chapter 3

Number: Origin and Relevance

Any serious student of the ancient wisdom, be he or she Asian, African, European or American, will have noted - perhaps with some perplexity - that all knowledge systems have undergone changes in the course of time. The I Ching exist in two different configurations: first, the "abstract" older version of Fu Hsi (or Fu Hxi) which places Heaven at the top and Earth below; Fire and Water take opposing sides left and right. Second, the "temporal-dynamic" newer version of King Wen, an actual historic personage (together with his son, the Duke of Chou), places Fire at the top and Water below; Heaven and Earth are both placed on the right side, above and below.



I Ching: "abstract" & "temporal-dynamic" version.

The reason for King Wen's change of the traditional symbolism was to introduce a dynamism in what he took to be statically fixed symbols. The phrasing of the subsequent Hexagrams was not affected by this change, yet their most profound meaning is now twofold right from the start. As a consequence, there arose a multitude of differing interpretations of the Hexagrams, though the basic images of Yin = broken line and Yang = whole line, added to form two superimposed Trigrams, always remain the same. Still, there is reason to be perplexed by the differing interpretations arising from the choice of underlying basic symbolism: abstract or temporal-dynamic.

The Tarot have undergone even more changes than the I Ching. What is only a twofold complexity there, is a many-fold complexity with the Tarot. Through the creation of "Gipsy-Tarot", old Italian card-decks, Marseille-decks, etc., the Tarot even gave rise to the

common playing cards. Surviving mystery-schools kept a remnant of old correct correspondences, but they tended to guard them as special secrets of their respective order or secret society. Naturally, a multitude of changes occurred and it was only at the end of the 19th century that a semblance of "unified cards" appeared in public. The Tarot were then attached to the "metaphysic speculation" of the Hebrew Quabbala, which is not the place they originally occupied. Still, beyond this confusion, they continued to form the "ear-to-ear" secret oral teachings which gave rise to "practical Quabbala", that is "applied Magic". It is not the object of this study to follow the history of the Tarot, nor to give detailed reasons as to why these or other changes were introduced or later rectified. For this reason the basic references of the subsequent exploration, as directly concern the Tarot, are given to begin with:

1. Lama Anagarika Govinda, *The Inner Structure of the I Ching; Foundations of Tibetan Mysticism*; Wheelwright \ Weatherhill, B.I.Publications; San Francisco, New Delhi; 1981/82

2. Franz Bardon,

a) *Initiation into Hermetics*

b) *The Practice of Magical Evocation*

c) *The Key to the True Quabbalah*

Hermann Bauer, Freiburg, 1990\91; Rüggeberg, Wuppertal, 1987

3. Aleister Crowley,

a) *Liber 777*

b) *The Book of Thot* ; Petra Schulze, Bergen, 1992; Urania, Neuhausen, 1981

4. Patanjali, *The Authentic Yoga*, Scherz, Bern\Wien, 1982

5. Caitlin and John Matthews, *The Western Way*, Arkana-Penguin, London, 1993

6. J. van Rijckenborgh, *The Egyptian Gnosis I-III Rozekruis Pers*, Haarlem, 1985

7. Robert Wang, *The Golden Dawn Tarot Urania*, Neuhausen, 1988

8. John Michell,

a) *The New View over Atlantis*,

b) *Ancient Metrology*

Thames and Hudson, London, 1983; Pentacle Books, Bristol, 1981

9. Bob Frisell, *Nothing in this Book is True, But It's exactly how Things Are*; Frog Ltd., Berkeley, 1994
10. *The Dhammapada* Juan Mascaro, Penguin Classics, Victoria, 1973
11. G.I. Gurdjieff, "All and Everything": "Beelzebubs Tales to his Grandson", "Meetings with remarkable Men", "Life is Real only Then, When I Am"; Sphinx and Aurum; Basel and Freiburg; 1981, 1984, 1986.
12. J.G.Bennet, *The Masters of Wisdom*, Turnstone Books Ltd., London, 1977
13. J.F.Blumrich, *Káskara and the Seven Worlds*, Knaur-Droemer, München, 1985
14. G.R.S.Mead, *Pistis Sophia*, Garber Communications Inc., Blauvelt, N.Y., 1984
15. Enrique Llop Sala, *Los Misterios de la Obra Divina*, Barcelona, 1977
16. Dhyani Ywahoo, *Voices of our Ancestors*, Shambala, Boston, 1984
17. Marguerite de Surany, *Le perpetuel devenir*, Editions de la Maisnie, Paris, 1980
(*I Ging und Kabbala*, H. Bauer, Freiburg i.Br., 1982)
18. Alice A. Bailey, *Initiation, Human and Solar*, Lucis Trust, New York, 1922-1970
19. Bubba (Da) Free John, "Garbage and the Goddess"; and other spiritual instructions,
20. Dawn Horse Press, Clear Lake, 1984
21. Karlfried Graf Dürckheim, "Might, Rank and Step of Man" (*Mächtigkeit, Rang und Stufe des Menschen*), Aurum, Freiburg, 1983
22. C.G. Jung, *Mysterium Coniunctionis*, Princeton University Press, Princeton, N.J., 1977

These references, by their unified approach to "Man and his Destiny", have contributed to as global and diversified view as was intended within this study. The correspondences in seemingly totally different areas prove even today, in this confusing age

of hyper-information and hyper-specialisation, that a tangible "red thread" leads through all labyrinths. The wisdom of ancient Holy Science is as valid today as it was then. In the end, nothing changes, only the outside appearance changes form and aspect. The core remains eternally the same.

The Tarot, the Book of Wisdom, owes its survival through time to its function as oracle, and also to its magical application. Although the Tarot carry an essential message of human development, of the subtle worlds of ethereal reality, of spiritual ascension, their oracular aspects are equally fascinating. It is therefore proposed to first view the Book of Wisdom from this point of view, thus placing it within the oracular and astrologic systems, as they have been known to Man. Thus we find that the basic Sun Oracle is composed of combinations of 8×8 . Within this system, the solar system is symbolised by even numbers, and composed of an eight-fold body. Thus, also Man is seen eight-fold, and this reflects in the eight-fold, solar way of the Buddha (The Middle Way). 64 is the outcome of 8×8 , which is also the number of I Ching Hexagrams, made up of six lines each, thus reflecting the "holy number of the Sun": 6.

The oracles reflecting Sun and Moon, thereby introducing subordinate applications of numbers 3 (Earth, Moon, Sun) and 7 (7 rays of creation, 7 planets), are composed of combinations of 8×9 . This, with 72 as its outcome, unites the holy numbers of the Sun, as 12×6 , the eight-fold way, the holy numbers of planet Mercury (8), and of the Moon (9), as well as the precessional numbers of the great cosmic year (72×360 , a cycle of 25.920 years). The oracles based mainly on the Moon are composed of combinations of 9×9 . The 81, which is the result of a multiplication of the holy number of the Moon, 9, is most complex. It unites elements of Central Asian origin, Shaman law, with symbols such as [the Penteade](#), [the Law of Three](#) and [the Law of Seven](#).

The Tarot, composed of 78 cards or hieroglyphic images, is a blending of all three traditional oracular systems. They thereby add a truly cosmic aspect, a totally transcendent view - encompassing each aspect - and were thus originally meant to bring simplicity to the intricacies of the main sphere. This latter is mainly composed of Earth-Moon as a single element, the immediate surrounding of physical manifestation visible to Man. This environment further includes Mercury as a divine, dynamic influence, Venus as an intermediary, "coagulating" or merging agent, Mars as the dynamic activating impulse, and the Sun as symbolic of Divine Emanation. It is only natural that within the flux of time and space, what may be called successive instants of synchronicity, ever more agents and impulses add to the complexity. In the end though, within the final outcome, all is totally

simplified in "One and All", Unity stands beyond Polarity, prior to the creation of the myriad forms. Thus every aspect within the complex systems involved also stands alone, by itself reflecting the resplendent mystery of Creation.

By referring to the basic aspects of all Oracles ever used or still in use today, and with the given references, the aim is to clarify certain basic, "unalterable" views concerning the attribution of elements, colours, numbers and letters to various single cards and whole colour-suits. Should various card-decks, or even a majority of published decks not conform with these attributions (as is the case with above-mentioned cards of A. Crowley and The Golden Dawn), nevertheless the main preoccupation of the present work is to "set the record straight", according to the most ancient and hopefully most correct symbolism to be found in published, i.e. "open to the public" form.

The relationship between the Quabbala and the I Ching, in large terms and without going into detail, is the following:

Kether, the topmost Sephirah, corresponds to Tao, thus symbolised by a circle or a point at the centre. Chockmah corresponds to Kien or Kiän, Heaven, the Yang. Binah corresponds to Dui, the Lake reflecting Heaven, the Yin. Chesed or Gedulah corresponds to Li, Fire. Geburah corresponds to Jen, Thunder or the Arousing. Tipheret corresponds to Sun, Air or the Wind. Netzah corresponds to Kan, Water. Hod corresponds to Gen, the Mountain or Stillness. Yesod-Malkuth corresponds to Kun, Earth, the binary Earth-Moon-Sphere.

Man has to know his place in time and space, his\her physical coordinates of when and where. Having consciously placed himself in this triangulation of Man - Time - Cosmos, he can then proceed to explore beyond the limitations of his physical, bodily existence. Time, space and the heavenly bodies - the Sun and its planets - influence the station of every individual. From the ancient times of the Tarot we are given the coordinates of our station by way of the "holy science": measures (numbers and measures expressed in numbers) of distance, length, width, volume and of time. These same are also woven into the hidden meaning of the Tarot. Via the Quabbala both unite and mirror each other.

The reader will at this point understand that a purely psychological reading of the Tarot, as for example through the archetypes of C.G. Jung or other aspects of psychoanalysis and exploration of an individual's depth-consciousness, has been relegated to a secondary function. The inner "psychology" of Man is determined by his or her inner balance, the inner harmony. As this is seen in triple manner, in all philosophic systems around the world,

psychology is here replaced by the inner qualities of physical or "elemental strength", emotional or form-giving inner "rank" or "station", and mental imaginative-intuitive "step" or "elevation". The psychological aspects, which are actually psychic-astral or vital-emotional states of mind, are expressed by the 16 "personality-cards" of the Minor Arcana. These, altogether 56 cards, are divided into 4 suits, and they interweave with the rest of the cards.

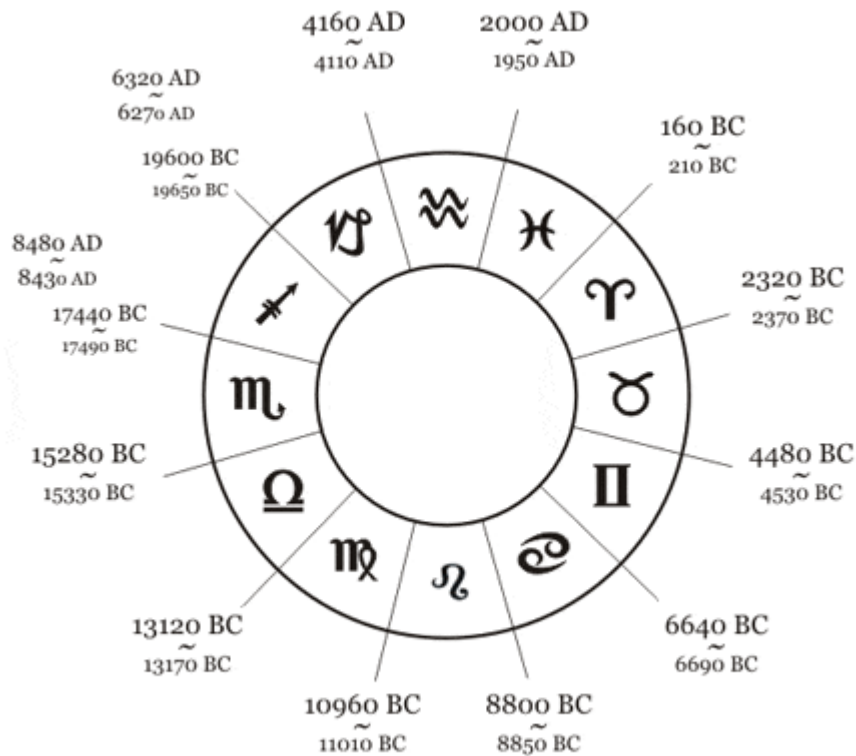
To correctly place and identify the "Keys of Wisdom" - the great symbols of the 22 Trumps, the Major Arcana - we have to unfold them within the correct and actual spatio-temporal coordinates of our time, with reference to all that has determined "our time" to be such as it is. The actual moment is always a point in time that has arisen to become "reality" due to all the endless moments that have led to its presenting itself in this way. Man's freedom of will has always been at work during the preceding "moments". In the actual moment of the ever-lasting "Now" this freedom of will is again active. To correctly place the microscope of the Tarot - in order to profoundly analyse the present circumstances and thereby "divine" their various possibilities of continuing in time - we should attempt to let them display their inherent powers in the symbolic setting from which they have arisen: place, space and time. The place is our own "here and now", space is our solar system and some stars and constellations, time is "moving eternity" and its relation to "here and now".

Man, Homo Sapiens sapiens, has inhabited this planet for at least 340.000 years, he is therefore - physically - to be identified with his home: the Earth. Planet Earth should be seen as a binary system, for the Moon is a satellite, both close and big, and determines a large part of what occurs on Earth. Suffice it to mention the female menstrual-cycle, the oceans' tides, the heaving of the Earth's surface, the cycles of fertility, etc. Also, the orbit (the astronomic period of rotation around the Earth) of the Moon, translated into solar years, is 28 days, which - multiplied by 13 - give rise to a solar year of 364 days. This leaves one day (of 30 hours to be exact) for the worship of God and Creation, as is still observed by many "native" cultures. Thus we find the number 13 as a holy number, a "number of change" also, as reflected in the Tarot (see: [Trump 13](#)). There are ancient traces of a 13th sign of the Zodiac to accord with the Moon-Year. Various mostly secret mystery-schools still follow this Moon-time calendar, so its actual use even now is not limited to American Indians, to India and other "indigenous cultures". The superbly correct Maya-Calendar uses it in conjunction with the solar year.

The binary Earth-Moon system is the true home of Man, together they circle the Sun and their "one-ness" means also that the subtle realms of "Astral" or "Vital-Emotional", "Ethereal", "Psychic" or "higher Astral", and "Mental" or "Noëtic" intermingle in this cosmic

union. In Magic, this binary body has been divided into the "Earth-Belt-Zone" and the "Moon-Belt-Zone", for though the astral bodies sometimes touch each other (though not constantly), only the mental body envelopes both completely. If this view leads to a planetary double "luminous" and vital body is open to the reader to decide. Time as a factor is the same for both bodies. The further coordinates affecting Man's life on Earth are the coordinates of astrologic and astronomic time.

Astrologic time is established by ancient tradition. In the occidental view, where the dawn-rising - heliacal - of a constellation of the Zodiac at the spring equinox (ca. March 21) is deemed relevant, planet Earth is now at the cusp between Pisces and Aquarius, moving into the latter. Oriental Astrology observes the autumn equinox (ca. September 21) and there, at the opposite side of the Zodiac, planet Earth now changes from Virgo to Leo.



Astrologic time – chart.

As can be seen from the chart, the oriental and occidental views are mirror-images of the time 12.960 years ago, and a repetition of what has occurred exactly as now 25.920 years ago - the length of a whole precessional "year", or of one whole revolution of the Zodiac. Since Copernicus and Newton, the phenomenon of precession was ascribed to a tilt or even

"wobble" of the Earth's axis - without any scientific proof for this assumption. Earlier, as also mentioned in this book in reference to Sirius and the Yugas, precession was associated with the regular elliptic movements of the twin-star system comprising our Sun and its twin, Sirius. This is validated by each new measurement and observation, thus giving precession a much larger significance than simply a distortion of Earth's axial revolution.

Precessions' exact time-measure has come down via "sacred science" from ancient times and is confirmed by modern science to a very narrow degree. We should not forget that such measures, as also their fractals and multiples, are "ideal" measures as laid down in very ancient time, reflecting the "sanctity" of the numbers employed and thus making symbols of numbers. Hindu philosophy, of the last 3.000 years, has even gone beyond that, simplifying the correct duration of precessional movement to reflect "totally ideal and holy" numbers only. Thus the Zodiacal Year is simplified to 24.000 years. Amero-Indian time-calculation arrived at a precessional year of either 28.600 or 26.200 years, the latter more true to fact, the former more idealised to accord with "holy cycles" of 22 times 52 years (by calculating 88×13). In many modern comments, in the West, on time and space and their relevance to Man, the approximation of 26.000 years is found, so our ancient forebears may also be excused for some approximations, though, if we look closely, they certainly knew the exact time-span of astrologic cycles to the day and hour.

What is also relevant within astrologic time is the symbolism of the 12 zodiacal constellations. There exists a tradition which doubles the symbolism of the 12 constellations, thus creating 24 images for a whole precessional revolution. This tradition will be elucidated in the description of the 22 Trumps of the Tarot.

The 12 signs of the Zodiac are usually attributed to the 4 elements in the following order:

- Fire: Aries, Leo, Sagittarius
- Air : Libra, Aquarius, Gemini
- Water: Cancer, Scorpio, Pisces
- Earth: Capricorn, Taurus, Virgo

Fire			
Air			
Water			
Earth			

Zodiac signs attributed to the elements.

Thus we find that in the occidental view planet Earth is moving from the water-sign Pisces to the air-sign Aquarius, which may be interpreted superficially as "from a region where light is diminished and deep darkness lies below" to "a region above the waters, where mists may linger, yet moving upwards towards ever-expanding light". In the oriental view, from Virgo (Earth) to Leo (Fire), the symbolism is "from the most dense, terrestrial-material sign towards the fluid, intellectual, flexible region of celestial light".

As concerns astrologic time and how it applies to Man's station in the here and now, it is also the measure of Man himself. (See Appendix 10: [Measure](#)) Usually, ideally in a healthy individual, the heart beats 4 times during one breath and beats and is measured by the pulse 72 times in one minute, during which the lungs breathe 18 times. Thus the heart beats 2.160 times in 30 minutes, 4.320 times in one hour, 25.960 times in 6 hours and 103.680 times in a 24-hour day. These are all numbers of precession, and 103.680 equals 4 whole precessional cycles, one "World" of amero-indian tradition or 1 Hindu Daiba-Yuga, all in years. The lungs breathe $18 \times 60 = 1.080$ times in one hour and 25.920 times in one day. So wholly is physical Man an integral part of creation as to reflect the measures of time, the planet, the star and Moon in his body, the microcosm as perfect reflection of the macrocosm: "as above so below", as Hermes Trismegistos states in the "Emerald Tablet". These same numbers we will encounter within astronomic time, distance and mass of the Sun and its planets in the solar system. The Tarot merely use such as is given by universal "law" and fits it in a symbol-setting to reflect the interplay of all forces in motion, whether on the physical, planetary, psychic - astral (also called vital-emotional) or mental-ethereal (mental-noetic) level: all accord to the same basic setting and symbolism.

As an addition to this topic, we find the "occidental" Maya-calendar, which is in fact a heritage from the peoples who inhabited Tiahuanaco on Lake Titicaca from 72.000 B.C.

onwards. Here the time-cycle is also 25.920 years, yet divided into 5 sub-cycles of 5.184 years, thus introducing simply an alternative computation of the same numbers: $72 \times 72 = 5.184 \times 5 = 25.920$. The relevance to the Tarot lies in the year of 13 Moons, a sub-cycle of 52 years, and a system of "pairs" or "opposites belonging to each other" based on the numbers 18 and 20, whereby the 5 is seen as a transcendent number. This is also reflected by the shaman teachings of Central Asia, where the 5 is seen as Pentead (not Pentagram), and is placed at the transcendent centre between 3 and 7.

As a last comment on astrologic time: the basic symbol is always a circle: 0. Though faint memories of a circle divided into 300 degrees still exist, it is since the advent of the age of Taurus 6.000 years ago that the circle is traditionally divided into 360 degrees. Thus one degree of change, when applied to the precessional circle, represents 72 years. Its composite numbers - 3, 4, and $3 \times 4 = 12$, thus 24, 36, 72 and 108 are all symbolic expressions of Creation, whose number-symbols are to be found in the Tarot. (See Appendix 10: [Measure](#))

"Time - astrologic, astronomic -, and measure, - in space; numeric equivalents, in mass and volume, returning to time: the celestial play in motion."

"God does not throw dice"

(Albert Einstein)

Astronomic time depends on more than one movement:

The path of the Sun which carries the planets along through space.

The positions of the planets revolving around the Sun.

The angle of obliquity: planet Earth's inclination towards the Sun and planets.

The Sun lies on the outer fringes of the galaxy - the Milky Way - within the "Arm of Orion", one of the spiral arms turning around the center of the galaxy. The time it takes for a total revolution of the spiral-arms around the center is a great unknown (in relevant numbers), even to our advanced observation. Only the oriental Hindu calendar gives some "dates", which however may prove to be idealistic fictions based upon the uniquely terrestrial precession:

A Maha-Yuga of 4.320.000 years, which divides into 60.000×72 or 40.000×108 . Alternatively, a "day of Brahma" or 4.320.000.000 years.

Within the Orion-Arm it has been found that the Sun and the star Sirius are somehow locked into a shared spiral motion through space, a spiral motion resembling the DNA-Spiral. Thus they share the same direction in moving through space. (See Glossary: [Sirius](#)). This has a bearing on the Tarot, as Sirius is associated with Isis, and therefore with Trumps 2 and 17 - "the Star" -, and 19 - "the Sun". Also, Isis, as primal Goddess "outside of which nothing exists", still has a twin sister: Nephtys, described as "master of absolute and perfect transformation". Are these the "female" aspect of the Sun and its twin sister Sirius? May the beneficent female trinity of Sun, Venus and Sirius reflect the harmonious universe of Trump 21 - "the Universe"? We know for certain that the Egyptians viewed both Orion - as symbolic of Osiris - and Sirius as especially significant and sacred. Venus is the Roman equivalent of Isis, as was before Aphrodite in Greece. The Mayas viewed Venus as sacred, and it is from the Mayas that we hear that planet Venus only arrived recently within the solar system. Recently is a variable, for the dates vary between 56.000 B.C., 23.000 B.C. or during the recent upheavals of Earth between 10.500 and 6.000 B.C. The Egyptians, as creators of the hieroglyphic images of the Tarot, did not view Venus as especially significant, although the builders of the three pyramids at Gizeh took Venus into account. The volume of the 2nd Kefren or Chephren pyramid relates to the 1st Khufu or Cheops pyramid as Venus to Earth (see Appendix 9: [Yuga, High Time, Venus, Myth](#)). Today, it is mainly considered for its dynamic, symbolic quality, which resides in Venus' function to transform the "mental" impulses of Mercury into astral, vital, form-giving agents. The lack of ancient Egyptian consideration may stem from the fact that Venus didn't visibly exist at that early time.

At this point, a sign-post reading "Beware" may be placed. The following sub-chapter deals with Measure, Number, Mass, Volume, Space and Distance - as laid down by the measurements of Holy Science. As these are symbolic values, and not simple quantities, they formed the main preoccupation of the school of Pythagoras. He originally studied in Greece and Egypt, was initiated into the already partly decadent Egyptian mystery-school connected with Horus, and later spent some years in Babylon. There he became acquainted with the exiled Hebrews, the Chaldeans, Persians, and even with some aspects of Hinduism and even Buddhism. It was a time of coagulation, a merging of ancient classic cultures. The ancient science of Egypt, though in decline and degenerate, was yet still open to see.

The rising powers of the Assyrians and Persians wished to see all ancient knowledge integrated within their own systems of wisdom - as mainly descended from the Magi of Zoroastrianism. The out come of this fascinating encounter of widely divergent beliefs and scientific thoughts was blended in the ancient codes of number and measure. Over 1.900 years later, the builders of gothic cathedrals and palaces still profited from these numeric

codes. But: they are numeric codes, in which number and measure play a central role. The above "Beware" is therefore addressed towards the modern reader, who may not tend towards this very scientific "play with numbers" - albeit reminiscent of ancient Holy Science. Therefore we suggest to only take the "raisins from the cake", the intrinsic "number equals value and symbol" - aspect. This more so, if purely spiritual values are more important than numeric computations. The Tarot necessarily include both. In any case, if the symbolism of numeric computation arises later - within the closer study of the Cards of Wisdom, the Major Arcana or Trumps - here it is laid out in quantity, and, partially, also in quality.

The positions of the planets, as they are in constant motion, are not associated with time as a factor but with measure (volume and mass) and distance as the key to their symbolism. Ancient measures - Holy Science - accurately reflect the sizes and distances of and between the inner planets from Mercury to Jupiter. The outer planets were all grouped into the unmeasured (perhaps, as gaseous planet: immeasurable) symbolism of Saturn, though in the plan of Teotihuacan pyramids, close to Mexico City, all planets appear, including the Asteroid Belt and Pluto.

The measures and distances of the planets are accurately reflected in the mile, which still guards a fixed equation or ratio with the ancient measures:

Diameter Moon: 2.160 miles	$2160=72 \times 30, 108 \times 20$
Diameter Mercury: 3.000 miles	$3000=12 \times 250, 24 \times 125$
Diameter Venus: 7.700 miles	$7700=77 \times 100, 55 \times 140$
Diameter Earth: 7.920 miles	$7920=72 \times 110, 108 \times 73,33 \sim 3$
Diameter Mars: 4,320 miles	$4320=72 \times 60, 108 \times 40$
Diameter Jupiter: 88.800 miles	$88800=12 \times 7400, 24 \times 3700, 108 \times 822,22 \sim 2,$ 5×17.760
Distance Earth-Moon (mean), 237.600 miles	$237600=72 \times 3 \times 1100, 72 \times 3300, 24 \times 9900, 2160 \times 110$
Distance Earth-Sun 93.312.000 miles (mean distance)	$93312000=72 \times 144(12 \times 12) \times 9000, 2160 \times 43200,$ $7200 \times 12960, 3600 \times 25.920$
Diameter of the Sun: 864.000 miles	$864000=72 \times 12 \times 1000, 2160 \times 400, 1080 \times 800$

These measures, all divisible by 5, 7, 12 or 72 and 108, show the solar system to represent as much a "whole body", completely harmoniously interconnected, as also the

human body was shown to interconnect with its whole surrounding. All measure, of time and distance, reflects the ideal condition of the Macrocosm and the Microcosm, one single whole spiritual "body", "as above so below".

Unfortunately, only the ancient measures, as the Stadium, the Jewish Rod, the Greek and Roman Mile, the different inches, ells and yews of Egypt and Sumer, the "Hunab" of Mexico, etc., give sense and quality to the Macrocosm, reflecting inherently the Microcosm. The new Kilometre, an artificial product created in the wake of the French Revolution, is inaccurate as to the Earth's true measure and only gives senseless numeric codes. The Kilometre was intended to reflect perfect measures, as the ancient measures had done, yet by an inaccurate measurement, the intended equatorial circumference of Earth did not yield the aspired 40.000 km, but arrives at 40.077,4 km. From there on, all other fractals and multiples lose any sense of symbolism.

An example of this:

1/15th equatorial degree = 1 geographical mile = 7,420 km; 1/60th meridian degree =

1 nautical mile = 1,8525 km;

diameter Moon: 3.476 km (2.160 miles);

diameter Mars: 6.793 km (4.320 miles).

The metre, therefore, was intended to reflect a measure of "1,0011397 metres", by which a "new symbolic language" would have been created (as was intended). As it is, the English mile (and, to a negligible difference of 0,0010010%, the inch and foot) remains today as a fixed time-space-mass measure that still "speaks" in its numeric code: the ancient symbolism remains intact.

Still, whatever measures are used, their ratios remain the same. The main ratio, of intrinsic high interest, is the ratio of the volumes of Sun and Earth, which is as 1.301.000 to 1. If this ratio is multiplied by the mean measure laid out in the four sides of the Great Pyramid, we arrive at the speed of light : one measure of the pyramid is to the speed of light as the ratio of volume Earth to Sun. A high, concrete "will", an aspect of universal "divine emanation" is self-evident.

The movements within this body point towards one highly significant aspect of life: no single moment is ever to be repeated in time under exactly the same circumstances. The Earth and each planet, plus the Sun itself, rotate on their own axis and no whole revolution around the Sun, itself moving in a spiral motion through space, can ever be exactly equal to

any other. Also, space is not empty and each planet is constantly bombarded with interstellar matter, so that changes in gravity and magnetism must occur with advancing time. Therefore no single event or series of events will ever be repeated, not in the Macrocosm and not in the Microcosm, and so no fixed and static system can exist to account for any future movement in time. Yet, through the intrinsically interconnected measures of time, space and mass, a certain synchronicity is also inherent. For "like and like resemble each other", and will move and interact within a certain harmony (see also Appendix 8: [Crystal Structure, Harmonic Conversion](#)).

The most complex and inclusive oracular device cannot offer more than an approximation, a possible turn of events with an unknown likeliness to occur. This is how the materialised part of the universe presents itself. Only intuition and other spiritual attributes, alive within the immaterial, not tangibly manifest dimension, can grasp the heavenly motions and so discover what may become materially manifest according to the probabilities of the ever-present "now". This is the apparent riddle of synchronicity, when apparently unrelated things or events suddenly relate intimately, both in time and space - a highly developed sense of intuition may penetrate the seeming obscurity.

As the time-spans of each planets' movement around the Sun are known, in the measures of terrestrial and "planetary" days and years, the positions of the planets can be calculated. Thereby an additional dynamic factor becomes involved within the interconnected sphere of "holy measure and number". By addition and multiplication, symbolic qualities appear, and the interweaving play of the cosmic bodies then resembles the intertwining spiral movements within Man, whose subtle energies "breathe in and out", are transmuted and dynamised, coagulated and bound, or dissolved and liberated. (see Appendix 7: [Alchemy](#))

The angle of obliquity, rather: the "obliquity of the ecliptic", is the Earth's angle of inclination, which accounts for the Sun to "move" between the two tropics (Capricorn and Cancer), thus creating the seasons. It is of prime relevance to life on Earth, for it creates the seasons, the darkness of winter, the appearance of the light of spring, the ripeness of summer and the decay of autumn. At each solstice (ca. June 21 and December 21) the Sun stands at right angle above the corresponding tropic. This angle though is not fixed and it shifts from 21 to 24,5 (or even 25) degrees in a total cycle of 82.000 years, or 41.000 years from either extreme to the other.

The length of the total cycle corresponds very closely to the present world-age of the Hopi Indians and Polynesian creation-myths: 80.000 years. As we are now in the "4th

World", this astronomic time also leads to about 320.000 years of Man's presence on Earth, to be specific: of Homo Sapiens sapiens. (see Appendix 9: [Yuga, High Time, Venus, Myth](#)). As the Sun is the origin of the strongest energies, both visible, invisible, psychic and spiritual, within its own solar system, and Earth is an inner planet in its vicinity, the angle of inclination towards the Sun certainly has the strongest impact on all circumstances of evolution. Whereas all previous measures concern the planetary bodies in their position in space and time, with the angle of obliquity we have a new element introduced, specific to the Earth's surface.

Below the thin crust of the biologic life-sphere, the Earth may truly be seen as a crystal, either in solidified, crystallised form, or in liquid "pre-crystallised" form. Between the two, strata of electro-magnetic "fluids" interweave, for there occurs a "cosmic breathing", where cosmic rays or emanations transform the different layers, and are themselves transformed: this is the abstract definition of Gaya, the living inner planet, whose main stimuli, the so-called Neutrinos and related interstellar waves and particles, emanate from the Sun.

It is the surface, and therein only to a depth of not more than a 100 feet, which carries the life of the whole planet. The earth's elements are absorbed by plants, these again give food and life to the animals. The animals, by ancient central Asian tradition, give life to the living, "demiurgic" planetary Being. Man is nourished by the upper crust of planet Earth, its plants and animals, and by the interdependent gaseous sphere, air. Interdependent, for through the plants and the lungs of living beings, air is changed all the time. The components of the Earth's crust also "breathe": absorb and release gaseous elements. Thus the angle of obliquity is the most relevant measure as regards life on this planet, the interplay of Earth and Sun.

As Man's evolution and present station is strongly influenced by this angle of obliquity in which the Sun stands towards Earth, it is here that the Jewish-Hebrew time-count of the 7.000 year Aeon has its bearing. Its pendular movement, as pointed out above, has a whole time-span of 82.000 years. In the Quabbalah, Man has now passed through 11 stages and is about to enter the 12th, or otherwise: 77.000 years have passed or 11 Aeons. If 5.763 are added, the Hebrew year of today, then in fact humanity has already passed the 82.000 year marker - as traditional Hindus would say: "Man already lives in the Dwapara Yuga, leading upwards", or: the dark age is in fact already passed, it now remains only that Man accept and realise this ..

The number 11 is also seen, especially in the Hebrew Quabbala, as the "center of the great wheel of 22 Trumps". In fact, it is the center of a four-spoked "wheel" - Rota - which applies to the psychic- astral or vital-emotional body of Man (the "inner wheel" between the physical and the mental bodies). If 11 is extended to 111, as indicated by a multitude of measures in the Great Pyramid at Gizeh, then the Jewish-Hebrew "world-view" or "variant of holy science" of the solar system becomes significant.

Moon: 111 = 19,459459 (emphasis on 9, the "number of the Moon")

Mercury: 111 = 7,027027 (the hidden "core-number" of Mercury)

Venus: 111 = 70 (reflective of Venus' "holy number": 7)

Earth: 111 = 71,351351 (an approximation of 72, or perhaps the true length of one degrees' precessional time)

Mars: 111 = 38,918918 (this, as "divine wonder", indicates the denseness of Mars, and its time of rotation, thus placing Mars in the special place of "higher impulsive power" [as: 2x77,837836835834833~]

Jupiter: 111 = 8000.

The symbolism of Mercury, emblematic of Thot, is 3 x 9 x 111, or: "three times as significant as the Moon", or: the threefold qualities of the Moon, joined with a highly dynamic "mental" impulse. The diminishing influence of the Sun from Mercury to Earth is equilibrated by a transformative agent, which enjoins the "Mercury-Sphere" to the "Moon-Sphere". Venus, which carries the holy (magic) number 7, is accorded a special significance. It lies between Mercury and Earth, and thus transforms the dynamic mental impulses into form-giving "vital-emotional" agents.

The ancient Egyptians accounted for this by placing the three pyramids at Gizeh to reflect Earth (Khufu), Venus (Khefren) and Mercury (Menkaur). Their volumes coincide with Venus and Earth, their orbital relations and their lay-out on the ground reflect their respective distances from the Sun (in time, due to the movement of Al Nitak, the pyramids also reflect the belt-stars of Orion, suggesting the time around 10.450 B.C. as the time of their origin, or as the time of commencement of our present era).

In the ever-lasting present "Now", the pyramids give rise to computations of 3, 7, 9, 11, and 13. These will repeat within the "Cards of Wisdom", and it is for this reason that Aleister Crowley (though we believe this to have been copied from an earlier work, by S.L. Mathers) published his deepest inquiry into numbers, elements, Hebrew and Tarot as "Liber 777". (A deeper inquiry into this subject follows [Trump 7](#)).

The ancient Chinese, as what has come down to us as Sino-Tibetan astrology, were also mainly concerned with the Earth's surface and the influence of light, the light of the Sun. Therefore they accorded 12 symbols relating to spring, summer, autumn and winter. They, as the American Natives, introduced a system of 5 forces governing all changes. This is symbolic of the religion of the Great Spirit, the primeval Nordic inspiration, which encompasses northern Europe and Asia, northern America, as also the Aborigines of Australia. It is based primarily on the Pentead, thus arising, abstractly, from the division of the 360 degree circle by 5, which gives 72. Thus, also in their view, the world is seen in multiples of five and 72. This is also interesting as concerns the five elements.

The Amero-Indians, of both North- and South-America, whose deepest inquiry of Man, his reason to exist, his place in time and space, has led them to define Man as both a celestial and terrestrial Being; created to serve Earth and Moon as faithful, conscientious Caretaker, just as Earth and Moon take care of Man. As also the Shamans of Asia, they accorded special "holy" qualities to terrestrial time-cycles. They see Earth moving in cycles of 52 years, which implies sacred qualities ascribed to a "four-fold movement of 13" ($13 \times 4 = 52$). The Maya calendar is stupendously correct.

The extension, to include the "living quality of the Earth", occurred through the introduction of the "fluid-rigid" vibrational qualities of the Crystals. The crystallised elements are seen as true life-forces, which traverse the globe and connect Earth to the Universe. In this, the Crystal is seen as "Captured Light", vibrating in total denseness, inherently reflecting all terrestrial and cosmic Manifestation.

Thus, the calendar was expanded to include the vibration of Earth's crystals, among which the pure Quartz was taken as reference. Quartz vibrates 786.000.000 times per second. In this, as waves and radiations eventually coincide within "Fluid Light", Quartz may be seen as "Pure Light within Mass". The "speed of light", expressed in miles-per-second, is only about 186.000 miles per second; the Quartz-vibration, if released, would travel much faster.

This conception, evidently, does not take the "scientific" theories of Physics and Quantum-Mathematics into account, yet even they will most likely one day find themselves to accord unequivocally with ancient "Holy Science". In any case, with such a rate of inner vibration, Quartz cannot be defined as either solid or liquid.

The dynamic qualities of vibration lead to accord special significance to cycles of 13 ($13 \times 4 = 52$, $13 \times 6 = 78$), as fractals of the vibratory rate lead to 30 different qualities, thus, added to the qualities of the Solar and Lunar year, give an extremely precise indication of the inherent quality of each day, each hour (30 hours per day, reminiscent of the prediluvial 300 degree circle), and also indicate fertility-cycles of 156 days, which in turn divides the year into seven "months of fertility, ripening and decay". This then also applies to Man, who is seen growing up and ripening by a dual physical and spiritual evolution of 7 and 13 years, and whose potential, indeed ideal, life-span is about 130 years (10 inner and outer processes of 13 years, or 7 processes of 18,5 years, or 18 processes of 7.2222... years). By all types of cross-references, these systems of philosophy integrate perfectly within the symbolism of the pages of the Book of Wisdom, 13 by 6 in number, the Tarot.