

Appendix 10

**"Holy Science" Measure  
and Number, Time, Microcosm  
and Macrocosm**

"God does not throw dice", said Albert Einstein. Ironically, it was above all Einstein, who tried to introduce a maximum of haphazard gambling, introducing fantasies, like a hypothetical total vacuum, which, as "God" is in fact "Divine Emanation", necessarily cannot to "empty", even though Man may have lost the means of measuring the all-pervading cosmic rays and their qualities. Another error is the "unsurpassable" speed of light, as it measures only visibly tangible light, whereas light is traditionally and factually also part of "God's Creation" and cannot be limited to any particular speed in its whole scope. The speed of light is actually only the aspect involving the photons and their constant time-measure (and even photons can be electro-magnetically "whorled" to surpass this measurable speed).

It is necessary to repeat here that the modern measures of millimeter, centimeter, metre and kilometer are an artificial approximation based on incorrect earth-measures. Their inherent lack of "symbolic language" stems from an incorrect measurement, for the kilometer was planned as a symbolically correct measure. This can be shown by some easy comparisons with the mile, which still guards a fixed ratio with ancient measures: median diameter Earth in miles: 7.920, in km: 12. 737 (planned as 12.750 or 12.800 km); diameter Moon in miles: 2.160, in km: 3.476 (planned as 3.480 or 3.500 km); etc. The ratios however always remain the same, i.e. Moon to Earth, as 1 to 3,6666\_ in miles, and as 1 to 3,6642692... (ideally: 1 to 3,6571428 = ~ 3,666...) in km.

It must however be added that even the mile is less adapted than some ancient measures: the Earth's median radius in Roman ells (short version) is 14.400.000; the median circumference of Earth (in long version Roman ells) is 90.000.000. in long version Hebrew ells: 63.000.000. The polar radius of Earth in Mexican (Maya-Aztec) Hunab is 6.000.000, in long Hebrew ells: 10.000.000. This list could go on, yet all ancient measures guard fixed ratios among them: Hebrew to Hunab as 6 to 10 or 3 to 5; Roman to Greek: 24 to 25; Roman to Hebrew: 7 to 10, etc. The modern English mile's ratios are: to Roman as 1100 to 1008; to Greek as 22 to 21, to Egyptian as 968 to 1050, to Hebrew as 55 to 72 and to Sumerian as 100 to 96. Due to the Earth's irregular shape, flatter towards the poles, each measure has a longer and shorter version, but they still keep fixed ratios. Thus it is clear that Man's ancient

forebears knew of the irregular shape of planet Earth, for only due to this any need for shorter and longer measures arises. Again, the new metre does not show any significance, it has no longer and shorter version. Also, its division into the ancient measures shows sums like 0,3047997m for one foot, 0,63564m for one Hebrew ell, 0,52669m for one Egyptian ell, etc. Thus, in whichever language this study may appear, the only tangible and symbolic measures can only be based on one of the ancient measures, or on the English mile and foot as a last remnant of the ancient symbol-language.

Ancient Man also knew of the speed of light, for it is laid down as mean measure of the four sides of the Great Pyramid. Thus the length of one side corresponds to the ratio of volume between Earth and Sun as the speed of light.

"God's dice-throwing" is of stupendous accuracy and precision. This aspect certainly leads to a profound sense of an active will directing the course of all Creation. This, "as above so below", is proven by Measure and Number, and by their interplay within time. This, in the last consequence, is the totality of "Maya", the "World of Illusion", which is also the world of Manifested Creation.

As Microcosm "versus" Macrocosm, we shall here only deepen the relationship between Man, Earth, and Sun, as laid down in measure and number:

Man, as also shown in the text, has two tangible, measurable physical movements:

Blood-circulation is measured by the heart-beat, which is, as a mean and ideally, 72 beats in one minute, 4.320 in one hour, and thus 25.920 beats in six hours.

Breathing, the movement of the lungs, also as a mean and ideally, comes to 1.080 breaths in one hour, and 25.920 breaths in one day.

The ratio between heart-beat and lung-breath is therefore as 4 to 1.

Earth has a diameter of 7.920 miles, but the physical measures of the Earth, though they also stand in direct relationship to the physical measures of other planetary bodies (as shown in text), are of less interest than the movement of time, as measured by the spin around its axis, and through its "declination-movement" (precession) in relation to the solar system and space.

If Man was shown numerically through his heart-beats and the breathing of his lungs, then this reflects the planets' whole time-movement:

72 years is the time it takes planet Earth to pass one degree of precessional time, which is thus shown as a mirror of heart-beats in one minute. 15 degrees of zodiacal precession (for precession as declination-movement is also zodiacal precession, using the signs of the Zodiac, 12 in number, as time-markers), equal the number of breaths in one hour. Again, it needs to be pointed out that all these artificial numbers ("artifices of God?"), are ideal – but an approximation, maybe true for 10.000 years ( but who may say which changes in the cosmic pattern may occur, due to the density of cosmic dust encountered in space, of changing gravitational intensity, and many other possible factors, including the "sun-flares" and other exposures to radiations of unknown origin?) – but does it really matter if by present measures one degree of precession is either only 71,8975 or 72,2171 years? These measures would add up to a Great Year of either 25.883 or 25.998 years, possibly correct at the present time, but philosophically, symbolically meaningless, except if any special significance can be attached to 26.000 years (but that is just another ideal number, as also the 24.000 years of Hindu reckoning (yet "median Hindu time-scale" as proposed in the Index, "Yuga", is 26.400 years, finally only less than 500 years from "absolute truth", if such can exist at all).

2.160 is the number of years to pass one zodiacal sign or 30 degrees of the whole "circle".

Earth, here seen as binary Earth-Moon-Sphere, related to the Moon, has number 72 as a common ratio with its satellite, whose diameter is 2.160 miles, half of which, corresponds to the number of breaths in one hour and to the number of heart-beats in 15 minutes (2.160 times in 30 minutes). So Earth and Moon reflect Man in his inner physical "time-beat".

When applied to the Sun, then both Man and the Earth-Moon-Sphere are shown as a Microcosm of the "Sun-Macrocosm": The diameter of the Sun, always in the same miles, is 864.000 miles. This, by division through the numeric values of the microcosm, is:

12.000 times 72; 400 times 2.160; and its relation to the precessional cycle is as 33,333... to 1. Also, in Earth-measure, there are 86.400 seconds in one day. Again, we repeat, the use of the metre or kilometer would only give senseless relationships, devoid of symbolism.

Thus, the measured time-rhythms, as recorded by seconds, minutes, hours and days, due to the Earth's spin around its axis, stands in direct relation to the inner measures of Man, in relation to the planetary measures (Earth, Moon, Sun), and in fixed relationship with the precessional, spatial movement.

As if this "God's Play" were not enough, the spatial measures also integrate the other physical and temporal measures:

***Distance Earth-Moon***(ideally, yet within a margin of error of 0,15 %): 237.600 miles. This corresponds to 30 times the diagonal-measure of Earth (7.920 miles); 110 times the diagonal measure of the Moon (2.160 miles). 237.600 is also "55 times of an hours' heart-beats", and "220 times an hours' breathing-rhythm". In precessional time, it represents 3.300 degrees of 72 years length, thus reflecting the Suns' ratio towards precessional time: 33 to 1.

***Distance Earth-Sun***(within a margin of error of 0,0015%): 93.312.000 miles. This corresponds to 43.200 times the diagonal measure of the Moon; 21.600 times an hours' heart-beats, and 86.400 times an hours' breaths. The diagonal measure of the Sun, 864.000 miles, is thus related to human breathing as 10 to 1, and to human heart-beats as 40 to 1.

If this were not enough of "Divine Play", *the diameter of the Moon stands as 1 to 400 in ratio to the diameter of the Sun, and the Sun – Earth ratio is a very close approximation of 1 to 110*. In the ancient measures, it is the Hebrew and Egyptian "rods, ells, stadia, and yews" which, in another numeric system, also come to the same basic ratios. Leading up to today, the long and short Greek and Roman miles, standing in fixed relationships of 24 to 25, and 100 to 96, have defined the modern mile. (( As a last repetition of what has already been stated above, here the long and short versions of the ancient measures are once more summarised: the ratios, always reflecting the same interrelationship of time, measure and spatial measure, in short, were: Roman to Hebrew: 7 to 10, to Sumerian: 6.048 to 6875; Greek to Hebrew: 35 to 48, to Egyptian: 22 to 25, to Sumerian: 1008 to 1100; Hebrew to Roman: 10 to 7, to Greek: 96 to 70, to Egyptian: 8.448 to 7000, to Sumerian: 1.728 to 1375.))

As Pythagoras and Plato would have said: "All is number", even the circular movements of Earth and Moon fit in with all other measures:

The easiest relationship as concerns the Moon is in Hebrew rods: circumference of circle (called an orbital period in astronomy) which the Moon describes around Earth

(114.048.000 rods) in ratio to circumference of the Moon (17.280 rods), as 660 to 1; to circumference of the Earth (median value: 63.360 rods), as 180 to 1.

It must here be remembered, that no single planetary orbit around the Sun is really circular, they vary from highly elliptic (Mercury and Mars) to slightly elliptic (Venus, Earth, Jupiter). Thus, all measures of the exact orbital periods must necessarily be median measures, symbolic, "symbolic approximations".

Circumference of Earth-cycle (orbital period) around the Sun (223.984.800.000 rods) to circumference of the Sun (2.073.600 rods) as 108.000 to 1, and thus in ratio to the circumference of the Moon, as 4.320.000 to 1 (which itself is  $2.160 \times 2.000$ , or 2.000 "ages" of zodiacal precessional time); in relation to the diameter of the Moon (1.650 rods), the Sun (error margin: 0,002 %) is 400 times the Moon by diagonal, which, in anciently encoded Hebrew rod-measures (temple of Jerusalem), is 660.000 rods, and this – wonder over wonder – is also the ratio of the orbital period of the Moon to its circumference. Definitely, the Hebrews, by according certain numeric codes, had a fascination with the numbers 66 and 660. But in the last measures and their ratios, we will return to the mile:

The Earth's orbital periods' circumference around the Sun relates to the Moon's period around the Earth as 198.000 to 1, using English miles and with an error-margin of 0,0275 %, thus leading to more "idealised" numbers. But this number 198.000 is interesting, as it corresponds to 2.750 "cycles" of 72 years, and doubled leads to the number 55(00), which we have seen is the ratio of Man's heart-beats in one hour, as related to the distance Earth – Moon. Twice this number, 110, is the ratio of diagonal measure between Sun and Earth: 110 to 1, but these last numbers were arrived at by relating the Earth's rotation around the Sun to the Moon's rotation around the Earth. In the end, it is clear, that some very high intelligence was involved both in the lay-out of the solar system, by mass and distance between masses, and in the totally corresponding "lay-out" of Man. Were we to take the vibration rates of Man's subtle bodies, as also of musical harmonics, and put them in relation to the solar system, it is more than evident that even a slight comparison would prove beyond any doubt that all accords perfectly, that the Macrocosm "is" the Microcosm, and vice versa.

The possible computations arising from the following measures, of distance and time, pertain to the "Body of the Solar System", whose further implications give rational numbers among each other, yet only indirectly in reference to Man. Still, we have included them here for possible reference. The orbital periods of each planet around the Sun are (in terrestrial days and years): Mercury: 88 days; Venus: 225 days; Earth: 365,25 days; Mars: 687 days;

Jupiter: 4.346 days; Saturn: 10.774 days; Uranus: 84 years; Neptune: 165 years; Pluto: 248 years.

*Distance from the Sun:*

*Mercury: 36.391.600 miles;*

*Venus: 67.184.640 miles;*

*Earth: 93.320.000 miles;*

*Mars: 141.834.000 miles;*

*Jupiter: 485.200.000 miles;*

*Saturn: 891.100.000 miles*

*(Uranus: 1.791.600.000 miles, Neptune: 2.807.800.000 miles, and Pluto: 3.680.540.000 miles).*

As laid down in the ground-plan of Teotihuacan, near Mexico City, visible through the pyramids and temples, the distances from the Sun to the planets are multiples of the Hunab-measure, as given: Sun-Mercury: 36 Hunab; to Venus: 72 Hunab; to Earth: 96 Hunab; to Mars: 144 Hunab; to Asteroid-Belt: 288 Hunab; to Jupiter: 520 Hunab; to Saturn: 945 Hunab; to Uranus: 1.845 Hunab; to Neptune: 2.880 Hunab; to Pluto: 3.780 Hunab.

Apart from the discrepancies discussed below, it is interesting that the anciently recorded planet whose remains now form the Asteroid Belt was exactly in twice the distance from the Sun than Mars, and thus formed the very centre of the solar system, as fifth planet from the Sun, and as fifth planet from Pluto. A much younger Sun, emanating high temperatures to much further removed places, may have created "Earth-like" circumstances at this distance, and – slowly contracting – later on Mars. Inversely, and modern astronomy does not really have any trustworthy, "definite" answers, a lesser radiation of heat may have first made Mercury, and later Venus and Earth inhabitable, "moving outward". In any case, as the real life of ethereal Beings has always been considered a definite reality within the esoteric "sciences", the physical outer appearances of any celestial body, even of the Sun itself, are in no way a hindrance for the development of such Beings – "feeding" as they do of ethereal wave-like substances, particles that have come down to our age by the names of Prana, Pneuma, double-magnetic Emanations, Electro-Magnetism itself, Photons, etc.

The English mile relates to the Hunab as 1: 1,0594 (approx.). Thus the Hunab measure of a multiple of 36 applied to the distance Sun-Mercury would read: 38.138.400 miles, and to Sun-Earth 98.869.288 miles. There are two possible solutions to this discrepancy:

First, that the Hunab-measure taken is the long, polar version, not to be applied other than to high latitudes on planet Earth. Its corresponding short, equatorial version would be 1,0112454 in its ratio to the mile (22 to 21). Then above distances would correspond to: Sun-Mercury: 36.404.834 miles. By applying a ratio of 11 to 10 (as used towards Sumerian measures) the shorter Hunab would be 0.96309 to the mile, and then many measures again correspond, more or less.

But the second solution seems more likely, for why should just one ancient measure deviate from true correspondences: the Hunab measure, as it takes into account what is today known as the Asteroid Belt, may be based on the physical existence of the now-destroyed planet between Mars and Jupiter. As its destruction must have powerfully affected all planets of the solar system, thus realigning them in slightly different orbits, the Hunab measures may take into account the former measures, prior to its destruction. This would then account for the slight discrepancies. Also, the Sun-Earth-measure (96 Hunab) may not refer to Earth only, but rather to the centre of the binary Earth-Moon system (and so may actually be correct). Yet, as the Hunab (identical with the Jewish rod or yew, or fixed in a ratio of 5 to 3) is also a symbol for Holy Science as such, it is also possible that the Hunab gives the "ideal holy" measures, for symbolic and ritual use.

The distances from Earth are: Mercury: 56.920.400 miles (60.000.000 Hunab); Venus: 26.127.360 miles (24.000.000 Hunab); Mars: 48.522.000 miles (48.000.000 Hunab); Jupiter: 391.880.000 miles (424.000.000 Hunab); Saturn: 797.780.000 miles (849.000.000 Hunab). In Hunab, further: Uranus: 1.749.000.000; Neptune: 2.784.000.000; Pluto: 3.684.000.000).

## **Hebrew Ratios**

By the time the Hebrew-Jewish Quabbala was newly encoded to reflect the changes of time, between A.D. 870 in the Near East and, in its final form, during the 13th and 14th centuries in Spain, the calculations had adopted the "post-classic" measurements then in general use. It is again the English mile, and its predecessor, the nautical mile, that had come into use as the most common large measure. These could be integrated through the fixed ratio in which they stand with the ancient measures. As applies to the ancient Hebrew measures, this ratio was as 55 to 72 (or 110/144) and, nautical, as 7.000 to 9.216 – highly symbolic numbers, which lead to assume that the "Hebrew Quabbalists" had no problem to integrate the new measures, for the basic symbolism would still remain intact (as to Moon, Mars, Venus, Mercury, etc.).

## **Sun, DNS-Spiral**

The Sun itself moves through space, probably locked into a cyclic spiral movement with the star Sirius. This resembles the DNS-Spiral. The planets moving with the Sun also move in elliptic cycles on differing planes. Thus all static measures must always be seen as constantly in motion, whereby the "ideal distances" given continually vary, especially from one planet to the others. The Chinese calendar has integrated a so-called "Meton Cycle" of 19 Sun-Years which corresponds to the repetition of Sun and Moon cycles. In accordance with the DNS phasing, after 19 cycles of "DNS-triplets" this corresponds with the 64th triplet, the end-number of I Ching hexagrams. 19 is also the Tarot-number of the Sun (Trump 19). It is thus once again highly probable that the ancient knowledge of the Tarot passed through Central Asia to reappear in China as I Ching and the correlative Sun-Moon calendar. Returning to the West, the Tarot guarded its original symbolism within the 22 Trumps, yet the West had by then forgotten the causal connections. Still, via Babylonian excavations, the 19 year cycle emphasised by the Chinese calendar did reappear. Still, the intermediate downfall of all knowledge entrained a "knowledge-gap" only to be closed by visionaries like Leibnitz, whose binary computations preceded the computer-system, and it is only the double-helix of DNS that reopened any possibility of alignment with ancient calendars and their oracular correspondences. As with the Sun and its planetary system, it is here once more stressed that all cyclic movements must be seen three-dimensional, for the central force of the DNS-spiral and of the spiral movements of the solar system is another agent to be taken into account. The cosmic double-helix depends on a central force in action within its cyclic movement, and it is just this force that today's "officious science" still attempts to deny. But where there are spiral cyclic movements of planets in three-dimensional space, there must also be a central gravitational force. In the solar system this is the Sun. Within galactic space, this force has yet to be defined. But its central character, determining the spiral movement of the Sun through space, "proves" its existence by more than one account only.