THESES AND COMMENTS TO THE "MEASURE OF THE GODS"* MONOGRAPH

The theses and comments are intended to emphasize the basic results of the "Measure of the Gods" work and to explain the nonstandard understandings.

References to the Monograph (publication/electronic version) pages are given in parenthesis.

Thesis 1. The correlation was established between ancient understanding of the World creation and modern scientific data.

The ancient understandings suggest that the World creation prototypes were a circle and a square and the prototypes were created by a universal phenomenon - the Highest, the God, the Maker, the Father of the Beginning etc. (5-6/2-3)**.**

The Modern scientific data refer to physics of celestial bodies and particularly to the Earth astrophysical values.

The ancient understandings and modern data are correlated via the proportion $MG = arctg\, 4/\pi = 51,85397401\ldots = 360 \times 0,144038816\ldots$ and the geometry of the right triangle $\pi : 4 : \sqrt{16 + \pi^2}$ derived from the circle and square interrelation, whereas the whole numbers are mainly correlated via the number 16. In other words, the logical relation between the ancient and the modern was defined. Thus, it was determined that, in particular, out of the Highest concept the Earth fundamental astrophysical quantities can be obtained via the interaction of the circle and square geometry.

The trinity of the "circle, square and a certain interrelation of their elements" results in $\Delta\, \pi : 4 : \sqrt{16 + \pi^2}$ with wide angle at the hypotenuse equal to MG° (15-17/7-9). In its turn, the proportion MG defines the Earth fundamental astrophysical quantities, mainly the Earth geometrical shape and the Earth to the Sun distance, the Gaussian gravitational constant and the Earth gravity field, as well as the Earth axis cant angle, the Earth rate of axial and round the Sun rotation and basic linear measures on the Earth.

Modern Earth astrophysical values denoted through the MG (MY):

Below is used the real meter designation m_r: 40 000 000 m_r = 40 007 881,7 m (moden)/1,0001970425 ... (49-50/26). Also it shall be considered that one basic Megalithic Yard proportion (1 bMY prop.) = $0,016 \cdot MG = 0,016 \cdot$ $\cdot\, 51,853974012777\ldots = 0,829663584204\ldots$ (30/15).

The Earth spheroid

– length of angular minute of latitude (the meridian) at the Equator

$$L_{1'e} = 0,829442037\ldots \times \frac{1000\pi}{\sqrt{2}} = 1\,842,556939\ldots m_r = 1\,842,92\, m \quad (45, \quad 47\text{-}48/24\text{-}26);$$

– excess length of the latitude angular minute on the Pole to the latitude angular minute length at the Equator

$$\Delta L_{1'p-e} = 51,84586\ldots \times \frac{\pi}{10\sqrt{2}\cos 51,84586\ldots} = 18,643\, m_r = 18,64(6)\, m \quad (45, \quad 47\text{-}48/24\text{-}26);$$

– Polar compression value

$$\frac{1}{f} = 0,8294938\ldots \times \frac{100\pi}{\sqrt{2}\cos 51,8433625} = 298,257 \ (46\text{-}48/24\text{-}26);$$

– Equatorial and Polar radii total

$$a + b = 10^7 tg\ 51,85394908°\ldots = 6\ 376\ 883,486\ldots\,m_r + 6\ 355\ 502,987\ldots\,m_r =$$
$$= 12\ 732\ 386,47\ldots\,m_r = 6\ 378\ 140\ m + 6\ 356\ 755,288\ m = 12\ 734\ 895,29\ m \quad (49\text{-}50/26\text{-}27);$$

The Earth gravity field

– gravity factor at the Equator

$$g_e = 51,8539036\ldots \times \frac{9\pi}{106\sqrt{2}} = 9,780318\ \frac{m}{\sec^2}\ (44,\ 47\text{-}48/23,\ 25\text{-}26);$$

– gravity factor excess on the Pole to that at the Equator

$$\Delta g_{p-e} = 51,859158\ldots\ \frac{mm}{\sec^2}\ (44,\ 47\text{-}48\ /\ 23,\ 25\text{-}26);$$

The Earth axis cant angle (the Ecliptic and the Equator cant angle)

$$\angle\varepsilon = 0,829163821\ldots \times \frac{40}{\sqrt{2}} = 23,45229(4)\ \text{in } 1900\ (49\text{-}50/26\text{-}27);$$

Earth rate of axial rotation and round the Sun rotation rate

– the angle of the Earth axial rotation within 1 solar day

$$1\ \text{solar day} = 12'' \times (10 + 0,829568368\ldots) \times 10^4 = 360,9856123°\ldots \quad \text{in} \quad 1900\ (41/21);$$

– a number of solar days within Earth single-pass towards the fixed stars

$$1\ \text{siderial year in a solar day} = \frac{108}{10 \times 0,8295682726\ldots - 8} = 365,25636556\ldots\ \text{in } 1900\ (41\text{-}42/21\text{-}22);$$

Gaussian gravitational constant

$$k = 2\pi \times \frac{10 \times 0,829568230\ldots - 8}{108} = 0,01720209895\ (41\text{-}42/21\text{-}22);$$

The mean distance between the Earth and the Sun

$$1\ a.\,u. = 149,597870 \times 10^6\ km\ (\pm 2\ km) - \text{International Astronomical Union, 1976}$$

$$7\ a.\,u. = \text{double royal cubit} \times 10^{12} = 2 \times (1bRC - 0,000012461\ldots\,m) \times 10^{12}$$

(1 bRC description see below in Theses 1 and 5);

Basic linear measures for the Earth (27-28/13-14)

– meter (real)

$$1\ m_r = \frac{P_{\text{Polar Earth circumference}}}{10^7 \times \pi \times tg\ \text{МБ}°},$$

– basic Megalithic Yard

$$1\ bMY = 0,016 \times MG \times 1\ m_r = 0,82966358\ldots\ m_r\ ;$$

– basic Royal Cubit

$$1\ bRC = \frac{2\pi \times 1\ m_r}{12} = \frac{\pi}{6} \times 1\ m_r = \left(\frac{3}{2} \times tg\ MG°\right)^{-1} \times m_r\ \text{and}$$

$$1\ \text{double bRC} = 2\ bRC = 1,047197551\ldots\ m_r\ .$$

Thesis 1 is the basic thesis of the "Measure of the Gods". The rest theses disclose the monograph subject in detail.

Thesis 2. The Highest manifestation prototypes can be formalized with the circle and square interrelation.

This thesis is not disclosed in the Work. It is only said (5/2) that the description is missing due to its large volume induced by strangeness of the Highest concept scientific representation.

The Science of the Gods is based on the simplest idea - the notion of the Highest. The Highest notion is the basis of the **old reconstructed philosophic paradigm.** In simple words the Highest can be described as the complete and absolutely self-existent no man-phenomenon, this is a nonexistence-existence. The Highest existence needs no reason as He Himself is the essence, the cause and the consequence. A person at his own discretion can formulate the Highest concept thoughtfully acquainting with the ancient world philosophies.

In case there is an opinion that the Highest notion is incompatible with scientific understanding, the Monograph contents can be treated in a simplified-rusticated-clipped representation, i.e. it should be contemplated in the framework of a phenomenological theory. In this theory the formality phenomenon is a mathematical trinity: a circle, a square and their elements' correlation-and-connections. But also in this case the phenomenological understanding does not remain "bare" because the formality phenomenon correlates to recognized data. These data are the ancient world philosophic understanding of the fact that the Highest prototypes are represented by the circle and the square. This is stated in the Philosophic origins; see Chapter 1 (5-6/2-3). Those who believe that the Highest notion is incompatible with scientific understanding should pay their attention to the following fact. The science has no accepted ban to the possibility of the Highest notion existence and the terminology similar to this word, but then the religion has the doctrine about the God's unapprehensiveness which has its utilitarian and pragmatic explanation. Thus the concept of the God's unapprehensiveness instilled by the church for centuries shall not be represented as the scientific notation. For example, if the term "the Highest" associates only with the religion, the nearest equivalent irreligious term of "Apeiron" can be used with certain amendments. The Highest notion is not identical to an anthropomorphous image, far less it shall be identified with a grey-bearded old man sitting on a cloud. Herewith the anthropomorphous understanding of the Highest is unreasonable as the human originates from the Highest and the human is a certain projection-presentation of the Highest.

It would be logical to present the Science of the Gods description in the following sequence of works: "On the Highest", "The Gods' Cosmology", the "Unified Measurement System of the Gods or Theoretical Metrology" and the "Measure of the Gods". But due to certain reasons the Gods' Science description is started from the "Measure of the Gods". First, it is associated with the fact that if the description is supposed to be in general-to-specific order it will require a multitude of supporting instances and as a result the description would grow in multiple volumes. Secondly, the first three works are still under reconstruction of their fundamentals. Thirdly, for the predominant modern work representations it is more customary to represent it in a rational-pragmatic-material aspect, i.e. to represent it from the specific to general, i.e. to start from the "Measure of the Gods".

Thesis 3. A fundamental periodic number 12 and the fundamental proportion $51,8539740\ldots^{(\circ)} = arctg\ 4/\pi$ are derived from the certain correlation of circle and square elements. Namely, the number 12 is derived from the circle diameter and the square side congruence condition and the proportion MG – from the circumference and the square perimeter congruence. Hence both the number and the proportion are derived from the same condition – the congruence of the certain lengths of circumference and square elements (10-14/4-7 and 15-17/7-9)**.**

Thesis 4. The fundamental expression of the Highest is the dual integrity characterized with self-evolution.

Let's review the dual integrity expression for the proportion MG (15-17/7-8). If the number 12 is composed on the circle-sky-time, the MG formation logic is different and has another result. The cross (from two mutually perpendicular straight lines) points of intersection are connected here with the circle and square, i.e. forming the duada from two points at the ends of the triangle SE hypotenuse, one of which is "the sky" and the other is "the earth". The "earth" has a material angle which is expressed materially. For instance, there is a material mark for the Earth axis rotation that is the Earth axis <u>threefold rotation</u> with regard to the Sun, i.e. the mark is three solar days (39-40/20). The result of the number 12 and the MG formation differs due to the 12 expression in the non-material and the MG – in the material. This is obvious since to generate the number 12 the internal elements of the circle and the square (the internal has feminine) were equaled – they are diameters (the square diameter is equal to the square side length), and for the MG the external elements were equaled – the perimeters (the external has machismo). Thus by its origin the 12 and the MG are the dual integrity, i.e. the 12 and the MG have kin-and-antagonistic connection in the creation physics.

Conclusion: the 12 and the MG have two sides. On the one side the formal mathematics was used - geometry and arithmetic and on the other side the dual analysis logic was used which in their turn jointly form the dual integrity. The formal mathematics is the material and the dual integrity logic is the ideal. Therefore the work (10/5) notes that: «*The Highest is not only a Great Geometrician but first of all the Great Logician-Philosopher which in total gives Him the name of a Great Physician*».

Thesis 5. The proportion $4/\pi = tg$ МБ° is the basis of fundamental circular linear measures: a meter, a megalithic yard and a royal cubit.

The material angle $\beta_1 = 51{,}8539740°$ ... in Fig. 5a is defined with the SE triangle legs with the number 4 and the number π. The leg with number 4 is "celestial" as it belongs to the circle and the leg with the number π is "terrestrial" as belongs to the square. In other words the angle β_1 is the result of the celestial-and-terrestrial interrelation.

Now if consider the diameter with the value $4/\pi$ the circumference will equal to 4 and then if we "put" this circle onto the Earth polar circumference and multiply it by 10 million (10 to the power of 7) this circumference will be divided to 40 million meters (see Fig. 7б). Thus the practical length unit called a **meter** will be deduced. It is obvious that **<u>the meter originates in the MG</u>**, where the initial element is the diameter – an internal element, and the result is the meter on the external element – the circumference.

Thesis 6. The Great Pyramid in Giza plateau external geometry is based only on the proportion MG and the meter as the length unit. (17-19/9)

Thesis 7. The Alexander Thom megalithic yard is derived from the MG meters length multiplied by the upper fundamental cyclic number 16.

Thesis 8. The proportion MG (MY) most simply and descriptively expresses in the daily and annual Earth cycles and in the Gaussian gravitational constant k (38-42/20-22)**:**

$$1 \text{ solar day} = 12'' \times (10 + \text{daily MY prop.}) \times 10^4;$$

$$1 \text{ siderial year in a solar day} = \frac{108}{10 \times \text{annual MY prop.} - 8};$$

$$k = 2\pi \times \frac{10 \times \text{gravitational MY prop.} - 8}{108},$$

where the daily MY prop., annual MY prop. and gravitational MY prop. barely differ from the basic MY proportion.

It is important that the MG is an angular, circular and cyclic proportion and in the above examples the MG (MY) expresses exactly in the time cycles and in the Earth circular movements (44/23). The timing cycle is the complete circumference angle round.

Thesis 9. On the basis of only one proportion MG with the triangle $\pi : 4 : \sqrt{16 + \pi^2}$ geometry and with the use of mainly the multiplier 16 the basic parametric model of the Earth gravitation field and shapes is formed and reflected in the Great Giza Pyramid geometry, where location of Pyramid parameters-and-proportions is similar to their location on the Earth (46-51/25-27) **!!!**

Thus the parameters describing the Earth gravitation field and the parameters describing the Earth shape can be presented with one right triangle. This presentation can be explained neither from the formal mathematics position nor from the modern physics position.

Thesis 10. The interpretation of the Great Pyramid geometry as the Earth gravitation field and shape basic parametric model is the beginning of the Giza Stone Book - a unique reference book in physics - along with the celestial map on the Earth in the form of the Giza complex objects and other monuments discovered by Robert Bauval (75-77/42-43)**.**

Thesis 11. It was defined that the proportion MG penetrates the whole pyramidal complex in the Giza Plateau and consists of five huge monuments, one of which is unknown (60-75/33-42)**.**

Thesis 12. The Thoth number – 52, the Seshat number – 7 and the Slavs number – 16. The latter also presents in Slavic Vedic calendar and in the Perun Book of Wisdom (77-81/43-45)**.**

Thesis 13. The trinity of fundamental cyclic numbers was established: 12 – the basic fundamental cyclic number, 9 – the lower fundamental cyclic number and 16 – the upper fundamental cyclic number (81/45-46)**.**

Thesis 14. Thesis 5 is a fragment of the unified spatial-and-temporal measurement system of the gods which in its turn is the basis for theoretical metrology.

The proportion MG generates the meter, the MY and the royal cubit, i.e. the MG, the Earth polar circumference length and the human being convenience are the basis of the circular length units - the meter, the MY and the royal cubit. If the meter is a reference length unit in the unified system of measurements, its difference by 0.2 mm from the real meter definition (18-19, 49-50, 82/9-10, 26, 46) is an inadmissibly gross error, especially for astronomic measurements. The MG (MY) spread (37-50/19-27) and high cyclic stability (43-44/23) in the Earth physics present the possibility of the MG (MY) application as a basic and universal measure which should have its defined sphere of use and purpose. The system measures world outlook meaning and applied aspects are described in the "Unified System of the Measurements of Gods" work. Since the modern science lacks theoretical metrology, the science which studies the measures origin physics (currently somehow the measurement theory is unreasonably called the theoretical metrology), is there a possibility for the correct development of the science that bases on measurements?

Thesis 15. The MG (MY) results were obtained with the hermeneutical circle method (51, 84/27, 47)**.**

The method novelty is that the "integral" supposes the reconstructed notion of the Highest with the laws of His development and the "part" suggests modern scientific data. Such method's use allows reconstruction of both the Science of the Gods in whole and its components, particularly the theoretical metrology, practical cosmology with the laws of the Highest development as well as correction of modern scientific trends development and use of their

results for the balanced development of people and environment. Thus an objective criterion of an adequate development – the laws of the world creation – will appear.

Thesis 16. Discovery of the Megalithic Yard origin, its presence in the physics of celestial bodies and ancient megalithic structures as well as discovery of existence of the theoretic metrology which the basis are described in whole in the "Unified System of Measurements of the Gods", prove the existence in the ancient antediluvian civilization of highly developed science called the Science of the Gods.

The brief description of the Science of the Gods see (82-85/46-48).

The purpose of the Science of the Gods reconstruction is the description of the first cycle of the world creation in the language of logic and mathematics as well as description of further development cycles and the use of the description as the criterion of the society vital functions and preservation for future transfer of the knowledge.

In the bases of the Science of the Gods there are three components simplest in their meaning: 1 - The Highest notion; 2 - His development logic and 3 - mathematics (initially elemental) as the figuration or the development substance.

In ancient times the world creation was used as a criterion of the society vital functions (22-23/11-12), as currently it is used in religion in a highly veiled form highlighting the spread world outlook meaning of the Science of the Gods.

The Science of the Gods is a universal science since it is based on the notion of the Highest, whose one of the names is the Universal (see the Thesis 2 above). The Universal means that there can be neither correct-true-genuine science nor any correct art which would not obey the Highest notion and which would not reflect His laws - the laws of the world creation. Every science and every art must have its place in a general Science hierarchy. Religions can be considered as some historically utilitarian arts of a narrow understanding of the Science fundamentals with substitution of the concealed with faith. The Science extent is so vast that the modern scientific data comprise just a small part of it, especially considering that these data need a relevant systematization.

November 16, 2009   R.P. Selegin