

# **A SYNOPSIS OF THE VAS SCENARIO STATE OF THE WORK 2019**

By

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The author of this book dedicated the first thirty years of his professional life to research in mathematics. In the mathematical field he developed with other mathematicians a new paradigm of linear algebra and optimization, that of the ABS (Abaffy-Broyden-Spedicato) methods, documented in about 400 publications and two monographs (the first one of Abaffy and Spedicato, 1989, the second by Xia Zunquan and Zhang Liwei, 1998), a third one expected by Nezam Mahdavi-Amiri. This paradigm has led inter alia to a new approach to the solution of Diophantine problems, starting from a paper in *Numerische Mathematik*, 2001, by Spedicato, Esmaeili and Mahdavi-Amiri. In that work the tenth Hilbert problem is solved for the restricted but important linear case, the general case being is not soluble, as proved by Yuri Matjasevich. The author has also devoted over forty years to the study of catastrophic events in memory of man, including especially their dating, the likely causes and the effects on human civilizations and religion. This approach has led to the VAS paradigm, named after Velikovsky-Ackerman-Spedicato, currently documented in a dozen articles in academic journals and in international conference proceedings. A monograph on the subject is planned.

Below is a summary of the VAS paradigm, as available at end 2019. All dates are all Christ:

During the last Ice Age, which lasted more than 10,000 years and ended around 9450, a planet here called P, with an estimated mass ten times greater than Earth's, enters the inner part of the solar system, where it is captured and develops an elliptical orbit of period 20 years (in the Sumerian texts the period is 3600, being multiplied by 180 as in many large numbers in Asia). In the inner solar system, when P was captured, there existed only the planet Earth with Mars as a satellite, Jupiter

orbiting where the current belt of asteroids is located, Saturn ... absent were Venus, Mercury and Moon.

The capture of P occurs as a 4-body capture, a possible event, while it is impossible for 3 bodies. Capture involved probably interaction of P, Sun, Jupiter and Saturn, with P passing between Jupiter and Saturn when they were close to a conjunction. Probably P passed closer to Saturn than to Jupiter, and one of its satellites, having entered the Saturnian sphere of Roche, was disintegrated. This event would explain the rings of Saturn, whose recent formation is now known.

The object P appears in the world theogonies as Nibiru for the Sumerians, Tiamat for the Babylonians, Metis for the Greeks, Vritra in northern India, Bali in southern India, Ahriman for the Persians, Pachacamac for the Andes, Satan for the Jews, and perhaps Mother Goddess for many people ... names that may have changed in time depending on the evolution of P.

The first interaction of Earth with P within human memory seems to have occurred around 10.800, the date of a super Tunguska-type explosion over the Great Lakes of America. This event ends the Clovis era and starts the Younger Dryas, a cold period with intense winds in which various civilizations develop (Atlantis, Goebekli Tepe, perhaps Tiahuanaco ...), perhaps after the arrival on Earth of aliens from Mars satellite Earth. The event corresponds to the first of the 4 catastrophes separating the Five Suns of the Mesoamerican traditions, being the fire and wind catastrophe in the *Popol Vuh*.

The second interaction of P is datable towards 9450, when P passed very close to Earth. This event, due to gravitational tides, causes the rapid melting of the ice, and tsunamis and earthquakes, recorded in the Platonic tradition of Atlantis. The Earth captures one of the satellites of P, which becomes the Moon, a body without traces of life, but brighter than Mars. Moon initially orbited at about 250,000 km from the Earth, corresponding to 16 cycles per year, as implied by Sumerian texts claiming for the Moon a diameter one and a half times that of the Sun. Analysis of African and American mythologies indicates that in its passages near the Earth P appeared endowed with 7 satellites, each time seen in different positions. The vision of such seven satellites may be the real origin of the sacredness of the number 7, the most important of the so-called ritual numbers. Number 9 also gets a sacredness possibly from the number of satellites of P before one disintegrated passing near Saturn and another one became the Moon.



The violent gravitational interaction between Earth and P destroys the civilization of Atlantis and the other existing at that time. Humans survived in pockets of small numbers, both the descendants of the civilizations existing at time, and of populations living at Neolithic or Paleolithic level, where survival to catastrophes is actually much easier.

In 6910, year obtained from the Mesoamerican chronology in Ixtilhochtli, planet P ends its life, impacting on Jupiter. The Red Spot on Jupiter indicates the impact crater, still in some activity. The impact follows two close passages between P and Jupiter, 40 and 18 years earlier, corresponding to the wars between the gods of the Vedic and Tamil epics (18 months lasted in epic tradition the Ramayana war, 18 weeks the Mahabharata war, 18 days the war where Tamils stopped Arians from conquering central and southern India). Before the impact, the gravitational effects due to Jupiter give to P the look of a giant comet, by emission of gas and material from activated volcanoes. This giant comet is recalled in traditions as a malicious and terrifying cosmic snake or dragon. The killing of a dragon by St George, or by the Archangel Michael, or even by the Virgin Mary, may be based upon recollection of these years, with the snake-like P appearing in the sky with a great shining tail.

The impact has giant effects for the internal solar system, both from the energy transferred by P to Jupiter, and for the activation of nuclear reactions within Jupiter. Events studied in depth by John Ackerman in several monographs. Jupiter expands immensely in the sky, due to the enormous heating of its atmosphere, enriched by a vaporized part of the interior of Jupiter, that is only partially a gas planet. Jupiter expands in the sky with an angular diameter perhaps greater than that of the Sun, appearing as a white orb of white color due to its extremely high heat. It is remembered as the Cosmic Egg, the ovoid shape due to the asymmetry in the expansion caused by the material erupted from the crater.

The impact expels from Jupiter a lot of matter, partly from the crater area, partly from other Jovian regions. The greatest expelled mass forms an object V that after a few thousand years becomes the planet Venus (Athena is born from the head of Jupiter in Greek myth). Color of V changes from the white when initially expelled at highest temperature (god Agni in Indian pantheon) to the reddish one (god Varuna); even today the temperature of Venus is very high, around 600 degrees at the surface, a value not foreseen by traditional models, and is measurably decreasing. A secondary explosion, richer in iron and coming from a



greater depth, perhaps generates the planet Mercury, a proposal here alternative to the one by Ackerman. Ackerman claims that Mercury formed from the core of Mars expelled when Mars and Venus passed very close. That close passage moreover made their orbits change from elliptical to circular as they are today; the feasibility of this process is confirmed by mathematical analysis by Laurence Dixon, and we see the problem as open to further research. Material associated with the two expulsions, remaining for some time tied to Jupiter, could explain the bucranium ritual object, where the central skull, with an opening, would be Jupiter with the visible crater, and the two horns are the material associated with the events generating Venus and Mercury.

Other material forms the asteroid belt and the Earth is also reached by Jovian material, especially water. Such material is recalled as the Cosmic Waters, which flood the planet in patches. The material reaching the Moon modifies its orbit, changing the number of annual cycles from 16 to 13. Mars has the greatest consequences, being hit by a large mass on a hemisphere, where a depression is still evident, while the opposite one appears swollen (the Martian bulge). The impact ends the bond of Mars with the Earth, of which it was the main satellite, endowed with water and life. The Martian crust splits producing the Valles Marineris. From this 5000 km long crack the elongated and reddish nucleus emerges. The repeated vision of this nucleus explains the rituals on lingam (the emerging nucleus) and on the yoni (Valles Marineris). It also easily explains the rites still existing, never satisfactorily explained by anthropologists, of circumcision and excision.

Jupiter, impacted almost frontally with respect to its orbital motion, loses speed, and, for Kepler's third law, moves, after a number of years still to be determined, to the present orbit more distant. Jupiter also loses the splendor that the king of the night showed for millennia. From Jupiter and for many years planetary lightning originated through the plasma filling the inner part of the solar system, produced by the impact. These are the lightning of Zeus that hit the Earth, very different from today's atmospheric ones, as Aristotle noted. The name Jupiter can be explained as a Chinese-Sanskrit hybrid, meaning Father of Rain, the Latin Iovis Pluvius; the reference is not to the usual rains, which have nothing to do with the cycle of Jupiter in the sky, but to the waters that arrived on Earth after the impact. Iovis may even be interpreted as *power of rain*.

From 6910 to 3161 forms of civilization slowly recover on Earth. Every 56 years, awaited with terror, Mars passes close to the Earth, with passages that alternate, for a fixed longitude, by day and by night; the day

or night passage then takes place every 112 years. As suggested by *Genesis* and Sumerian-Akkadian texts, beings of intelligence equal to or greater than that of humans, the Elohim-Anunnaki, may land on our planet. One of their possible original location are the Galilean satellites of Jupiter, where before the impact life possibly existed thanks to presence of water, recently established, and to the heat received by the Sun, to which Jupiter was closer, and additionally produced by Jupiter itself (still today Jupiter emits more energy than it receives). These beings create seven pairs of *homo sapiens sapiens* more evolved than the other humans (*Genesis* tells only of the couple of Adam and Eve, from which the family of Abram-Abraham descends), through genetic improvement of existing humans. The leap in quality for the improved man includes a great longevity, maintained for many centuries, perhaps thanks to longer or more stable telomeres. The main leap of quality is that the new men are endowed with an immortal soul. Property affirmed in the Sumerian texts and in the 70 secret Jewish texts for priests only, as the *Enochian Pentateuch*, but absent in the 24 Hebrew Bible books (where also the concept of retribution for good or evil is missing). These pairs are created in the *Gan* or *Kharsag*, or *Terrestrial Paradise*, now the Hunza valley in Pakistan, in the past very difficult to be reached, with very special local properties (selenium in the water of the Hunza river, average life close to one hundred years, men who father children being over a hundred years old ...).

Creation occurred 2400 years before Noah's Flood, according to *Atrahasis* while *Genesis*, *Septuaginta* version, gives 2077 years from Adam to Flood (dated at 3161, see below), so setting Adam at 5238. The beginning of the Byzantine calendar is at 5500, and of the Ethiopian calendar at 5508, the difference due to the 8 years error in Dionysius Exiguus computations. These two calendars thus predate Adam's creation, and may relate to the arrival of Elohim-Anunnaki, that took place several years before the decision of creating *homo sapiens sapiens*. Sumerian texts claim that Anunnaki created man years after their arrival, finding too difficult to complete a certain excavation work in which they were personally involved. Which excavations? Irrigation canals or the underground structures of which the Agarthi traditions speak? Still hidden in the mountains around Hunza, in the Kanjud, or around the Hunzakunji marvelous pyramidal peak reaching about 7000 meters?

Towards 4400 a catastrophe occurs, mentioned in *Atrahasis* and in the Yezid memories (where the best statements about Eden are found), with aspects of flood and epidemic; after that event, *Gan* is abandoned. The event may be associated to the recently discovered impact submarine crater of an asteroid on the Indian Ocean, between Madagascar and India.



It is named the Burkhle crater, about thirty kilometers in diameter; the date of its formation is still debated.

In 3161, a year derivable from at least three sources that agree, Mars passes closer to the Earth than on previous occasions, moving on an orbit with a loop, see the following extra-biblical tradition: *Khima the 16th of Nissan passed near the Earth, disappeared, then it came back on Nissan's 17th, and the Flood arrived.* Loop-like orbits have recently been discovered, from observation in extra-solar planetary systems, and are now studied from the theoretical point of view (extraordinary is the richness of the three-point gravitational problem, whose dynamics is equivalent to that of the rigid gyroscope, see the little-known Koenig-Egervary theorem). In this passage the volcanoes of Mars are seen from Earth in full eruption, especially the three volcanoes on a side of Mount Olympus, that appear aligned almost exactly as the three Giza pyramids. The emitted gases and dust give to Mars a terrifying snake aspect. The remaining water of its oceans is almost completely lost, being lost in space. Part of it still is present as droplets that impacting the stratosphere appear as light dots when Earth's night side is photographed, an intriguing fact discovered in military satellite photos. Part of the water reaches the Earth, in patches, being the fountains *from the high* in Genesis. The fountains *from the low* in Genesis are the waters from the terrestrial oceans. They come as rains, produced when magma in the ocean bottom escapes due to crustal deformation from the gravitational effects of Mars. Extensive is the destruction on Earth, although less serious than at the time of the close passage of P towards 9450, date of end of Atlantis and capture of the Moon. The lunar orbit changes from 13 to 12 cycles, and the number of days in year from 360 to present about 365.

The arrival of the Flood had been foreseen by some sages (Enoch, Quetzalcoatl, Toth, these two alias of Enoch ...). According to an extra-biblical source, Noah was warned by Enoch, who was his grandfather, 112 years before the event, Noah being 488 (claim that Enoch lived 365 years only can be referred to his disappearance when he was at that age; he probably retired to the Garden of Eden, say Hunza valley). The year of the meeting of Enoch and Noah, 3273 in our chronology, was that of the penultimate passage of Mars before the Flood. Possibly not only Noah was he informed of the event. That is also the time of the Mahabharata war, where the arrival of a catastrophe flooding Dwarka, or Dwarkara, the capital of Krishna kingdom, was foreseen.

Noah following Enoch's instructions built the ark in Lake Manasarovar, near Mount Kailash, in Tibet, elevation about 4700 meters, where parts of



the lake near the shores never freeze due to hot water sources. He was able to embark all the animals present in the lake region, perhaps numbering some thirty species. Other arches survived: near Mount Sinjar, sacred to the Yezid, the one led by a son of Noah, Naumi; between Lake Van and Ararat, the one whose remains emerged in 1948 after an earthquake near the Kurdish village of Uzengili, now the Turkish National Park Num Gemisi. Finally, that of Utnapishtim, a pre-Sumerian king who lived in the north-east Tibetan region, the region of the pre-Flood Sumerian kings. This king's ark landed somewhere in the Mount Nimush range, now called Anye Machen, in northeastern Tibet. This a mountain range is surrounded by the Yellow River on three sides, and may be at the origin of the Chinese civilization. It was the final place reached by Gilgamesh in his second trip, by an easier, albeit longer route, than in the failed previous trip by the Garden of Eden, say Hunza valley, when he was accompanied by Enkidu. The Anye Machen area was sacred to the Ngolok tribe of the Bon religion living there before arrival of Lin Biao army; the Ngolok were almost completely destroyed in their fight against communists.

The great pyramid of Giza was built, probably in form of a truncated pyramid, before the Flood, around 3440 as per seven different arguments: 4 by stellar alignment by Giancarlo Duranti, C14 dating by ETH, rock dating by Liritzis's method, several statements by Islamic historians, as Al Masoudi,... see especially the chronicles of Taqi al-Din Ahmad ibn Ali ibn Abd al-Qadir ibn-Muhammad al-Makrizi.

Important later catastrophes are not associated to close passages with Mars, that occurred after Noah's Flood not every 56 years but every 54 years, alternating every 108 years as diurnal or nocturnal passages. Nor are they associated with large impacts. They seem to be related generally to super Tunguska type explosions, produced by material perhaps originated in the 7000 Jovian impact of P. The last Tunguska event took place in 1908 in Siberia, its energy in the range 50-500 megatons (an event that inspired a poem by Tungus tribes, and an opera libretto by this author). A similar event, possibly an impact, is foreseen, according to this author, by the Third Fatima Secret, to occur in eastern Asia, with enormous destruction even over all Europe... the date is not given in the Secret or in the associated prophecies (by Hildegard of Bingen, Brigida of Sweden....), but this author suspects the year might be...

Among later catastrophes two are important.



The first one in 2033, a date obtained using the chronology of the *Septuagint*, the Masoretic one differing up to 600 years. The event appears to be a super Tunguska explosions of a fragmented object, with atmospheric explosions or also impacts at various points, along its trajectory. Particularly important are those in the valley of the Indus, leading to the end of the local important civilization (vitrified stones found in the area...), and that in the Egyptian Delta, ending the Old Kingdom. The object in the Greek tradition is Typhon, associated with the Flood of Ogyges. In the Egyptian tradition it is Apophis.

The second explosion occurs in 1447, on the southern part of Jutland, by the object called by the Greek Phaeton (described by Homer as appearing at sunrise in a peaceful couple with Lampos). Phaeton appears in Exodus before the final explosion as the *Glory of God*, seen as a bright body at night, as wrapped in smokes by day. The effects of the explosion are given in Paulus Orosius, a most important, but forgotten, author, an assistant of St Augustin. The explosion in Greek memory is associated with the Deucalion Flood. This flood destroys the Egyptian Delta, ending the glorious Middle Kingdom. The so-called passage of the Red Sea of Moses is explained easily in this context, see a monograph by this author, available in four languages.

Other catastrophes in human memory fall outside the VAS context. Among these the explosion of the Santorini-Thera island, with the collapse of its caldera, towards 1630; the Floods of Inachos and Dardanos follow this event, leading to migration from the Peloponnese to the Baltic area of people later involved in the first of the three great wars of Troy (near Toja, Finland, beginning in 1457). That is the archaic war sung by Homer, an epic singer present at the third of these wars (at the Ilion of present Turkey), fought around 825; the second Trojan war, also taking place at Ilion, dates to 1180, a period when Egypt was ruled by the Amalekites or Hyksos (by the chronology of Velikovsky, *Ages in chaos*, well in agreement with that of Newton, see *Revised History of Ancient Kingdoms*, Master Books, 2008, translation of the Latin edition, 1728).

The era that Velikovsky called catastrophic, beginning on our VAS scenario before the Atlantis catastrophe of about 9450, ends around 750, the time of the founding of Rome. Its end follows the interaction between Mars and Venus that made their orbits almost circular, eliminating the close passages that were so dangerous before ... it also ended the time when astronomy and astrology were especially related.



The close passages between Earth and Mars were 99. They correspond in Islamic memory to the 99 names of God. In religions of the Mongols, Buryats, Yakut, ... there are 99 gods, divided into two groups of 44 and 55, of good and bad ... the hundredth secret name, known only to the wise men according to the Sufis, corresponds in the VAS scenario to the final passage that made the orbits almost circular, an event whose detailed analysis is still a research topic.

We conclude by two passages in the Gospel, where Jesus refers in our approach to two of the events described:

- 1 John, 8-58: ... *Amen, Amen, dico vobis, antequam Abraham fieret, ego sum* ... the birth of Abraham can be placed in 2098, so Jesus declares he existed in the time of the Old Kingdom ...
- 2 Luke 10, 18-19: ... *I saw Satan fall from heaven* ... a spirit is not something that can fall ... the reference can be to the impact of the planet P on Jupiter, which made it disappear from the sky.

Below image of Lake Manasarovar where Noah built the ark. The mountain in the background is Kailash or Meru, where perhaps the Anunnaki chief lived ... and where Shiva is claimed to be with his wife Parvathi.





Below image of Carolina Bays, shallow lakes produced about 10.800 by the super Tunguska explosion over Great Lakes, being the first of the four catastrophes in Meso American memories, the one by fire and wind in Popol Vuh.



Below satellite vision of the central part of Asia. There are located Garden of Eden, or Gan, or Kharsag (now Hunza valley), Lake Manasarovar (where Noah built the ark), Anye Machen where Gilgamesh met Ziududra... in the lower left part the Pamir, Hindukush, Kunlun, Karakorum and Himalaya ranges (the highest Earth mountain - ancient Indian name is Gorishanta = White Lady of Great Mountains, now called Everest, with reference to the chief of the English Topographic Survey office - is outside the image). In the northern part of the area we set the original land of the Magi who took gifts to Jesus, and the Hyperborea land, extended all over northern Eurasia. The central part was located in the Altai and Bajkal area, the Buriats tribe still bearing its memory in their name.





The VAS scenario presently starts with the first of the Mesoamerican catastrophes, the one that Popol Vuh associates to wind and fire, dated here at about 10.800. We do not know when object P entered the inner solar system and whether there have been catastrophic interactions, memorized by man, before the one in Popol Vuh. Going back further in time is quite difficult, albeit one should study the monographs dealing with very old events due to Dwardu Cardona, the great scholar originally from Malta, reference 276 below, and was visited by this author in his home in Vancouver. Dwardu, inter alia, analyzes the role of planet Saturn, as done by other researchers writing in the journal Aeon.

Two areas needing further study, hopefully also by this author, are the following:

- Analysis of the pre-human Egyptian dynasties as listed by Manetho, that go back to about 14.500 and can probably be set in the context of a great civilization in the Sahara, then a green area, and surrounding lands



- Analysis of what may have happened around 27.000, a date remarkable in several contexts: beginning of the first Yuga, once decrypted as in Spedicato, see reference 538; disappearance of Neanderthal, established around that time by the school of anthropologist Brunetto Chiarelli; building of the so called Bosnian pyramids, as from pollen analysis; great explosion of the volcanic area of Campi Flegrei; time when Prometheus taught man how to keep fire, say three myriads before his time, in Iginus.

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