

Ancient aircraft technology is not a mere hypothesis

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We have listened to many fairy tales in our childhood. We later realized that the elders who narrated these tales to us did not believe their stories to be true, but narrated these to pacify us. Those of us who listened to these with much enthusiasm then, now understand as adults that these stories as fictions. Among these, one story that took the forefront was the story of Rama-Ravana. We recall how we took Ravana's side, and he became the victor. We faintly remember the way we described the story taking Ravana's side, respecting the belief in Hindu gods according to which Rama is considered an incarnation of Vishnu. Whatever was the other information in the Ramayanas' we held the view that the air ship *Pushpakayanaya* or the *Dandumonaraya* was definitely a mere myth or a fiction.

We considered the *Pushpakayanaya* only from the religious perspective, and did not have a special interest or inclination to investigate about the *yanaya* from any other aspect. In the *Lankavathara Suthra* of Mahayana Literature also reference is made to the *Pushpakayanaya* that Ravana used to travel by air. In around 1932, Martin Wickramasinghe in a narrative of a collection of stories for children refers to the *Dandumonaraya*, and has even included a picture of it. In the Ramayanaya written in Sanskrit about the Rama Ravana story, and in the *Janakibharanaya* written by Kumaradasa, one of our poets, it is possible to find some special information. Although given in an exaggerated manner we can accept them as fine sources of information for the analysis of the basic content. In this context we also have

to remember the translation of *Janakibharanaya* by the chief prelate Pandit Dhammadhwa, where his translation is in the form of slokas; and also the translation of *Janakibharanaya* into Sinhala poetic stanzas (kavi) by Piyadasa Nissanka who was an expert translator of Sanskrit dramas, and the book of four stanza poems (kavi potha) – "*Ravaluwatha*". The drama Sakvithi Ravana written by Arisen Ahubhudhu has had a great impact in bringing this tale to the modern day. Although some have pointed out certain deficiencies, "Ravana" the serial teledrama currently being telecast over a television channel, has made a great effort to surface passingly some significant information in this legend. It is also necessary to obtain information from the ancient texts regarding the martial arts and craft (*Angham-Ilangam* techniques) when

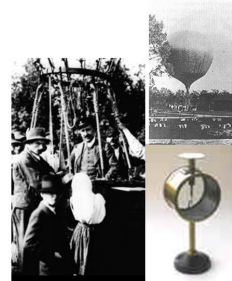
investigating these legends. It may be possible to hold a view by investigating the literary sources, but it is not an easy task to convince

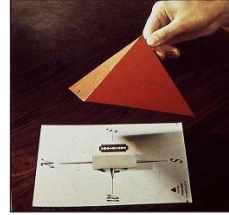


Discovery of cosmic radiation

Victor Hess in 1914

- Electroscopes *always* discharge
- Radiation increases with altitude (balloon!)
- Varies with location and direction – Earth's magnetic field!
- Led to discoveries of new particles
 - Positron, muon, pion, strange particles....
- Good example of relativity in action!

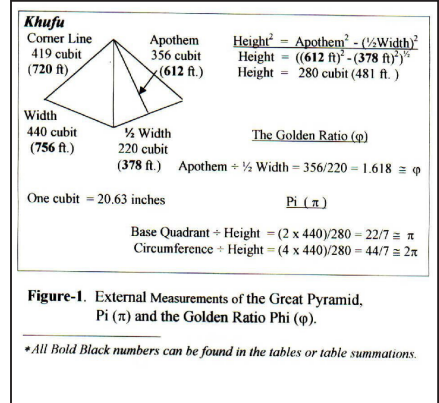




without recognizing modern day standards, which require analysis by specific western scientific methods. Nevertheless the technical information which has been generated regarding the *Dandumonaraya* or *Pushpakayanaya* of Ravana needs to be examined. According to western science, when an aircraft is launched into the sky, or takes off from the ground, it has to work against gravity. In addition the aircraft has to generate a force against its own weight, the weight of the passengers, and air resistance, all of which affects the speed of the aircraft. This is described further by the Bernoulli's equation that we come across in advanced physics. It is compulsory to tally at with overtures phenomenon of western science. Accordingly it is necessary to consider the special characteristics of the materials that are used in the manufacture of the aircraft. The material has to be strong enough to bear air resistance and at the same time it should be light in mass. Victor Hess who initiated western scientific research about the atmospheric space during 1911 to 1912, experimentally confirmed that we receive cosmic energy from

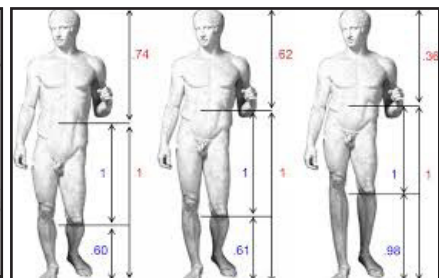
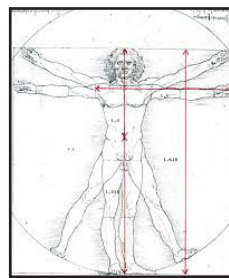
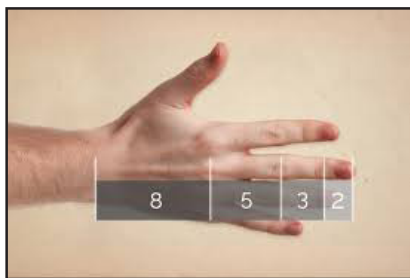
the universe. The western countries

which continuously conducted research on this issue, have shown that the entire human environment requires this cosmic energy to a vast extent. At a primary level this cosmic energy has immense effect on the human body and its sustenance, which has amazing capabilities. Also cosmic energy greatly influences other physical material phenomena. Pyramids were built thousands of years ago long before the advent of western research and analysis. Research conducted later on pyramids, has unearthed a great deal of amazing information about these pyramids. These pyramids possess an unbelievable capacity to generate and donate cosmic energy. Investigation make us believe that they may have functioned as centers which distributed cosmic energy. It is possible for students to carryout various experiments at home regarding cosmic energy. For this purpose, it is possible to make a simple pyramid by cutting out four equilateral triangles using a thick piece of paper, and pasting the triangles to form a pyramid. They will be able to observe amazing results by placing various objects at 1/3 of the height at the centre of the pyramid. If one places a razor blade or a razor used



for shaving, it should be possible to observe that it automatically gets sharpened. Also if a glass of milk is placed at this height inside the pyramid, the milk remains unspoiled for a few days, which otherwise would get spoiled within a day or less if placed outside the pyramid. Investigations conducted at the Scientific Vasthy Research Institute has clearly shown that if coconut milk is kept inside the pyramid, it automatically and definitely turns into coconut oil in 3 days. When carrying out these experiments a control has to be kept. That is, the relevant substance should be kept outside the pyramid as well, and compared with the substance kept inside the pyramid, as this is how experiments are carried out in the laboratory. Then you will observe that the razor blade kept outside the pyramid will rust, while the cows milk soon get spoiled, and the coconut milk will become rancid.

Here even though a pyramid with four equilateral triangles was made, for optimum results the pyramid

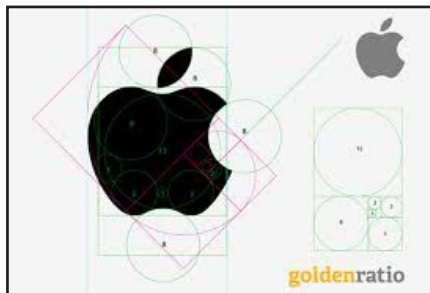


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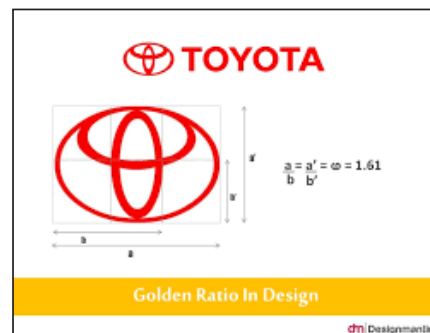
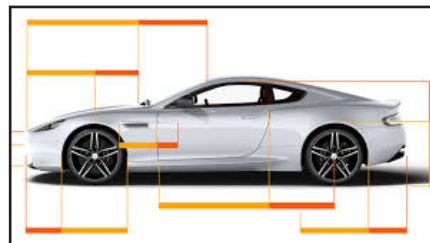
should be made in such a manner that the four inclined margins of the pyramid should be 1.47 times the centre height, and the margins of the base of the pyramid should be 1.57 times the centre height. The famous Egyptian pyramids have been built according to these proportions. It will be seen that when you consider each of the four triangles that were used, you will get a value approximately equal to 1.618 when the height of the triangle is divided by half the length of one side of the base. This proportion is referred to as the Golden Ratio in the western world. There is another fact that has to be specially considered. That is, if a hypothetical pyramid is constructed such that its base is at the equator of the earth, and its height is equal to the sum of the radius of the earth and that of the moon, then the resulting pyramid would be similar in shape to that of the Egyptian pyramid.

Leonardo da Vinci was one of those who introduced this golden ratio to the modern world. He had shown that if a human with a natural body has his height divided by



the height between his navel and the base of the foot, or the height from the navel to the base of the foot is divided by the height from the navel to the head, the golden ratio is obtained. Approximately the same value is obtained when any of the higher terms in the summation series (of advanced mathematics) (0,1,1,2,3,5,8,13,21,34,55,89,...) is divided by the term just before it. This same ratio is commonly used in the modern manufacture of vehicles. Going beyond the limits, the same vehicle manufacturing institutions can adhere to this golden ratio even when making their approval emblems.

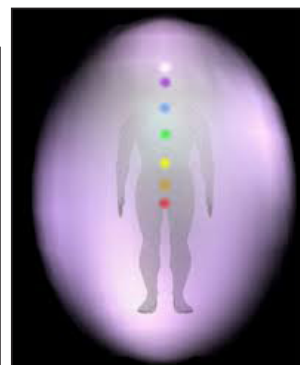
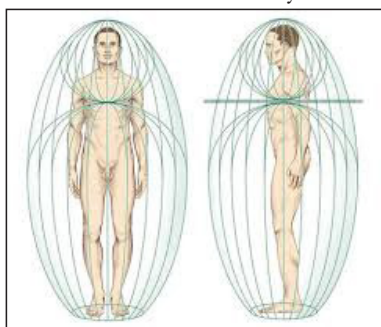
One can also observe that there is an electromagnetic field around the human body, by taking photographs using a Kirilian camera. The changes in this electromagnetic field around the body takes place due to the cosmic energy reaching us from the universe. A person who stays inside a pyramid for sometime with a vacant look (stare) will be able to observe that the area surrounding his body gets wider and clearer. Also the ionic

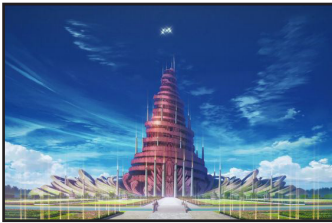


concentration becomes more negative.

A person who uses instruments to observe how this aural body changes, will notice that in an environment where the intensity of cosmic energy is more, the aura gets wider and clearer.

By using western scientific instrument and techniques, it has been possible to go beyond the limits in the analysis of the traditional energies, and thereby the ideas of ancient eastern sciences which were rejected or not accepted, are now in the process of becoming parts of modern western science. Accordingly, it can be very clearly accepted that physical bodies and their activities can be influenced by the





spiritual mind and cosmic energies.

Under these circumstances, it is reasonable that even ancient and traditional spiritual methods, such as *yanthara*, *manthra* etc, which have been rejected or not recognized by western science are now being researched and investigated. Against this background, looking



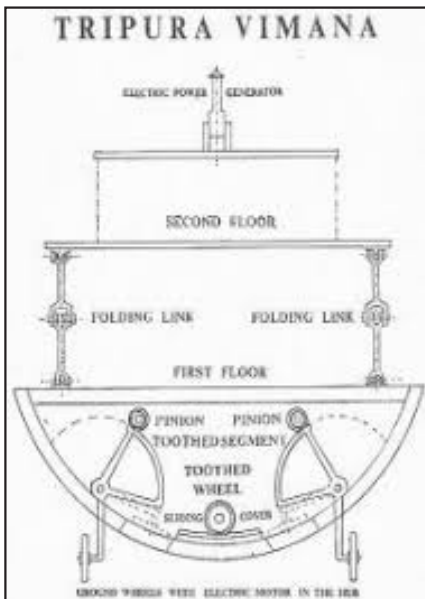
into the principles of ancient aircraft technology would be like looking at the ancient world through a novel



which could be folded and opened; *Sundara Vimanaya*, which was storied and had about 20 wheels; *Rukma Vimanaya* which was golden in colour.

window. The book "*Lanka Itibhasaye Hela Yugaya*" written by Dr Suriya Gunasekara is of much significance because this book provides a historical basis for the unbelievable literary attitude/concept which existed among the Sinhala authors and readership.

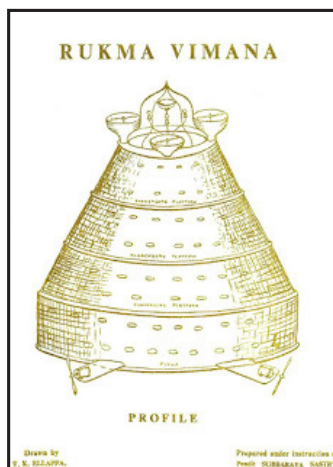
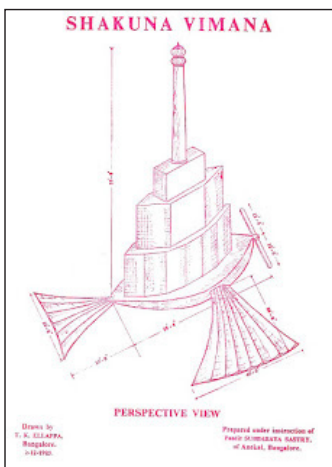
It is also stated that the pilot or the person who piloted any of these air crafts had to be knowledgeable in 32 matters. They are: *manthras*, *thanthra*, *kreetaka karshana*. Though it is not necessary to describe each and every one of these terms here, it is necessary to state that these terms encompassed many concepts of the glossary terms such as heat, temperature, speed, attraction, sound and energy, which are used in modern Western Science.



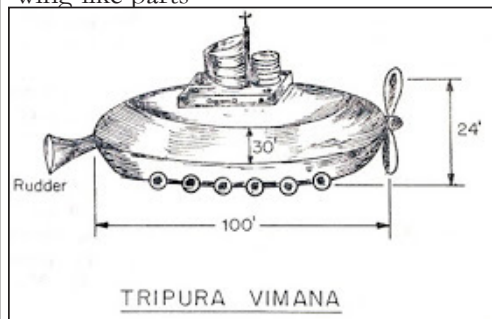
It is necessary to focus attention on the information provided in the above historical book, as well as in the book "*Vyamanika Sastharya*", and also in a few other similar books because the information there cannot be considered as mere fiction or myth, considering how far western science has reached today.

On investigating the concepts in *Vyamanika Sastharya* (Aircraft science), it can be seen that there were four types of airvehicles (air

Vyamaanika Sastharya" has listed 31 parts that should be there in an "air craft" or a *Vimanaya*. Amongst these are various types of mirrors, engines and equipment. Also it is included as to know how these have to be used in a structurally complementary manner. So it is clear that these vehicles have gone beyond the hypothetical phase. A clay slate which confirms the reliability or trustworthiness of this technology has been discovered from an Egyptian pyramid. Most of the air crafts shown in the slab



crafts). They were: *Sakuna Vimanaya* which had wing-like parts



are very much similar in shape to the modern day air crafts. However, it is stated in the slab that this



civilization does not belong to them, but to some “*Sinha Minisun*” (Lion People) who came from the sky and have built them. So we are compelled to ask whether the only people who even had some concept about air vehicles were the Lion People-the Sinhalese. It is too early to confirm this. However it is very clear that it is not another group of people.

In these air craft technologies (*Vyamanika Silpa*), in addition to the nature and form of the vehicles, even the nature of the materials to be used are indicated. It is seen that all the substances used were such that they could easily absorb heat. Also 7 types of mirrors present in these air vehicles are indicated. The role of each type of mirror is also given. For example the “*Kuntbini*” type of mirror was expected to prevent any harm to human blood,

fatty substances, muscles, bone marrow bones, skin and the mind, which can be caused by the heat and electrical waves coming from the sun at higher elevations rather than at lower heights. Consequently it is also described as to how an air craft can be powered or energized. Seven types of “energy” that are used are described. Namely *Udhgama, Panja, Saurya shakthi spakarshani, Porashakthyspakarshani, Dolasbakthi, Kanthini,*

Mooa shakthi and *Soon*. In the modern sense seven types of equipment similar to motors, are placed in definite locations of the air craft, in order to generate this energy. In the “*Vyamanika Sasthraya*”, these 7 motors are given as *Thundila, Panjara, Amsupa, Apakarshaka, Saandanika, Dharpanika* and *Shakthi Prasavaka*. The role of each of these motors is also given, but it is not necessary to give these details here.

“*Vyamanika Sasthraya*” in addition has indicated in great detail and step wise, how the air craft has to be constructed right from the beginning, giving the sizes and the shapes. Also how each step of construction contributes to the final structure is stated. For example in the “*Sakuna Vimanaya*”, the function of the 28 parts are indicated. From the information

given, it is likely that one of these parts is a steam engine. Even the specific metal that has to be used in the construction is indicated. Accordingly, to construct the “column” (the ‘mast’ in the modern sense), a special alloy called “*Bhatbhakhsys*” has been recommended. Even the method of making this alloy is indicated. It is amazing how this agrees with modern scientific technology. In the “*Vymanika sasthraya*”, it is mentioned that this mercury has been used as the fuel in the naval air crafts. The United States air force has used this idea and turned out the mercury vortex engine, and built a small air craft fitted with this engine and successfully flown it in 1998. This indicates that the ancient technological concepts were not merely hypothetical. As a mark of respect for the great services rendered, it is necessary to acknowledge that the information we have very briefly given in this article are described in great detail in the documents written by Dr Suriya Gunasekara



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