



SESSION V

THE SYMBOLIC ASPECT

While describing the process of creation, quite a lot has been discussed about the unmanifest God, godforces and their symbols. In previous sessions, details have also been given about the importance, constitution and research done on symbols. Before taking up the detailed discussion on few important symbols, it is essential to re-iterate, that the designing of symbols was done by the Rishis to simplify the subtle knowledge of Vedas and transfer the same to the following generations. Undoubtedly any painting of an individual is not the individual himself, but through facial, expressions it definitely projects the personality as well as the psychological and emotional aspects of the person.

Basis of designing of symbols :- Usually a tree bears a fruit and the fruit has a seed. The entire future tree is inherent in the seed, thus the Rishis concluded, that the '*Karma*' produces the fruit of action and the tendency. The tendency (seed) again produces the events of ensuing life. Thus they decided, that tendency (frequency) is the basis of creation. *Therefore they designed the symbols on the very basis.* Suppose the neutron particle is to be designed in terms of symbol, then its behaviour is to be studied deeply, e.g. neutron particle is neutral (\pm). so it does not react to any external stimulus. Therefore this tendency in the personified form can be depicted in the following terms: -

The person is above the feelings of (i) weather i.e. heat and cold, (ii) respect and disrespect and (iii) pains and pleasures. This means, that his behaviour is just like a dead body (शव + इव = शिव). Since the outer periphery of the galaxy contains stars having very high temperature. Therefore according to the law of opposite, the interior part i.e. central column of the galaxy should be covered with snow. This is why lord Shiva has been depicted sitting on the snow clad Kailash Mountains. This needs confirmation from the Scientific world. Here the question arises as to why the personified neutron group of stars has been recognised as godforce. In fact one lakh light year long column emitting dazzling light constituted of neutron group of stars is not the insentient dead mass alone, but unmanifest,

5.2 / The Vedic Dharm and Modern Science

conscious godforce lord Shiva is acting behind the column. This godforce controls the life cycle of all the beings living in the cosmos. This is why this column symbolises the godforce lord Shiva and is so worshipped.

The Rishis have created an interesting, vast and popular literature based on the science of symbolism¹. Probably analytical literature on science of symbolism might have been there in the past, which appears to have been lost now due to passage of time. Therefore, it is the need of the day to write such literature afresh. The great philosophers have interwoven the deep knowledge in the symbols. In this Session an effort has been made to decode few important symbols and their basis of assumption. The decoding has been based mainly on the facts of modern physics.

1(a) The symbolic picture of Brahma:- (Fig. 5.01 (a)) The godforce Brahma is the personified symbol. He has four faces and is unmanifest, but conscious godforce. He has been assumed to reside in Brahma Loka i.e. behind the electron group of stars. He is connected with the umblicus of lord Vishnu. Brahma has four Vedas in four hands. His vehicle is a bird known as '*Hansa*'. He is the creator of the solar family.

**Brahma Seated on Umblicus
of Lord Vishnu**

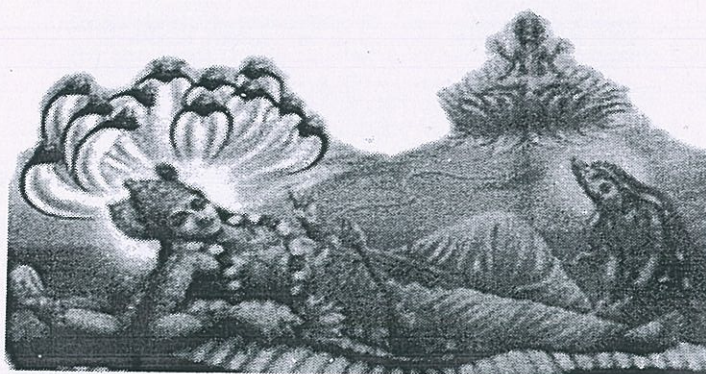


Fig. 5.01(a)

1(b) Scientific picture of Brahma:- The said symbol has been designed on the basis of the constitution of atomic structure and the law '*As the microcosm, so the macrocosm*'. Since billions of atoms are working inside the human shell, therefore the godforces inherent in the galaxy have been personified and compared with the structure of atom as discussed below :-

¹ To learn more about the science of symbolism following essays in part III of the book may be referred to :-

- a. Gayatri Mantra – The Research of Science of Symbolism.
- b. Cow - The symbol of mother earth.
- c. The Symbols - commonly used in Puranas.

The negatively charged electron moves at 600 miles¹ per second constantly around the nucleus and remains dragged towards the positively charged proton. Similarly one billion electron group of stars (approximate number) existing on the two outer peripheral circles of the galaxy remain dragged towards the proton group of stars. These electron group of stars move around the central column, i.e. the nucleus of the galaxy. All these electron group of stars are known as Brahmas, because they possess creative force in them. Our sun is the part of electron group of stars, which moves at 225 km / second and completes one round of the central column in 22.5 crores of years. This is why Brahma has been depicted as having four faces.

The Rishis have named the godforces in such a way, that the names themselves depict their tendencies e.g. the name Brahma in Sanskrit means an entity, which circles around '*Brahm*'. In the atomic structure, the proton keeps the electron moving on a fixed track dragging it with a force of ten electron volts. Similarly the invisible force of attraction applied by the proton group of stars keeps the electron group of stars moving on the outer periphery and has been symbolized as lotus stick. It acts as the connecting rod between the solar plexus of lord Vishnu and godforce Brahma sitting on the lotus flower. Since the mass of an electron is very small (9.11×10^{-31} kg), hence Brahma has been shown sitting on the lotus flower depicting Brahma of very light weight To act as creator, the knowledge to perform the act of creation is essential and Vedas are the store house of wholesome knowledge, therefore Brahma has been depicted to hold four Vedas in four hands. Since entire solar family is born from our sun, therefore, the sungod is our Brahma.

In the creation of world of matter, the electron has the first place without which nothing useful for beings can be created. This is why the electronic goods commonly used in the modern world begin with the first name of electron.

On the solar plexus of the human beings when the electron moves on the outermost periphery, it produces the rapid flow of thoughts which is known as **thinking mind**. This very electron when moves slowly on the inner periphery at '*Ajyan Chakra*' then it functions as decision making mind i.e. intellect.

In the macro, parallel to human beings, the moon controls the emotions

¹ On the other hand, they respond to their confinement by whirling around and the tighter they are bound to the nucleus, the higher their velocity will be. In fact, the confinement of electrons in an atom results in enormous velocity of about 600 miles per second – P-80. The Tao of Physics, 3rd edition, publishers M/s. Flamingo.

of the beings, whereas the sun controls the intellects of the human beings. More details on the subject can be found in the science of Astrology.

Vehicle Hansa:- As per scriptures, the godforce Brahma uses the vehicle Hansa whenever He goes to bless his devotees. It is believed, that the bird Hansa can disintegrate water from the mixture of milk and sucks only milk leaving the water. This symbolic representation means, that like Brahma Ji Hansa also has the ability to discriminate. Thus the vehicle has a complementary role in the performance of the duty by the godforce Brahma.

Sarswati:- Fig. 5.01(b) She is assumed to be the goddess of knowledge and the wife of lord Brahma. While performing the act of creation, goddess Sarswati inherent in anti-electron plays the complementary role. According to modern science each particle has its anti-particle and they are complementary to each other. Hence by worshipping and meditating upon goddess Sarswati, one can harness knowledge.

goddess Saraswati



Fig. 5.01(b)

2. Symbolic picture of Lord Vishnu:- [Fig. 5.01(a) + 5.02(a)] Two kinds of icons of lord Vishnu are available. One icon is in the posture of lying on the bed made of thousands of serpents. This bed swims on the ocean of milk. His eyes are half open and goddess Laxmi is massaging the feet. In this posture a lotus stick connected with the solar plexus of lord Vishnu goes upwards and supports lord Brahma sitting on the lotus flower. In the second icon lord Vishnu is shown standing with four hands having lotus flower, the gada, the conch and a chakra in his hands He wears a long garland of jewels called garland of '*Kaushtubh mani*'. In both cases his colour is like the clouds.

Vaikunth loka is His abode, where bluish light is shining around. His vehicle is the bird '*Garud*'. He grants liberation and bestows fruits of

actions. He incarnates on the earth to destroy wicked and restore Dharm.

Like godforce Brahma, the constitution of this **prateek** is also based on the atomic structure. The nucleus of an atom contains one crore electron volt force¹, which keeps the proton and neutron tied together. This force has been symbolized as thousands of serpents. Since the motion of electricity and the serpents is similar i.e. in both cases they make sine wave, therefore serpents are the symbol of electricity. Since lord Vishnu bestows liberation and fruits of actions, hence with huge amount of electricity, He monitors the record of all beings in His Super-Computer and accordingly awards pleasure or pain both with the utmost precision. When the sub-conscious of the human beings is freed from worldly attachment and dualities and attains the state of thoughtlessness, he is then liberated and becomes entitled to reside in vaikunth Loka. As and when the electron enters the nucleus, the human being gains the state of Samadhi (trance). If this state can continue till death, then the person attains liberation.

It is assumed, that every event of human life is recorded on the alpha plate of the sub-conscious in the form of memories, provided the thinking mind is attached there. This is the continuous process. The sub-conscious mind is assumed to exist at the posterior part of the CEREBRUM. In the popular language, this is known as '*Chitra Gupt*' the accountant of Yamraj, the lord of death. In modern language, it can be named as the computer chip. The computer chip of all human beings is electronically connected with the super computer of the '*Virat Purusha*' - the lord Vishnu. This is how the decisions of the super computer continuously flow into the computer chip of the human beings and they are bound to suffer / enjoy four kinds of fruits.

Nucleus of every cell of the human being contains jelly like liquid called nuclear sap. At macro level, this very liquid has been assumed as the ocean of milk on which the bed of lord Vishnu made of serpents swims. Inside the atom, the proton moves with a velocity of 40,000 miles²/second, similarly the proton group of stars also move with a terrific speed,

¹ The strong interactions hold the protons and neutrons together in the atomic nucleus, whereas the nuclear force holds protons and neutrons together with energies of about ten million units P – 253 The Tao of physics 3rd edition Publishers M/s. Flamingo.

² Being of the same quantum nature as electrons, the nucleon – as the protons and neutrons are often called – respond to their confinement with high velocities and since they are squeezed into much smaller volume, their reaction is all the more violent. They race about in the nucleus with velocities of about 40,000 miles per second – Page 84. The Tao of Physics, 3rd edition, publishers M/s. Flamingo.

hence Lord Vishnu is depicted with eyes half open. Even then, the godforce lord Vishnu is very alert and keeps the electron group of stars on the track with a powerful positive force of attraction inherent in him and carefully monitors the accounts of karmas of all human beings.

Standing posture of lord Vishnu:- (Fig. 5.02(a)) Lord Vishnu is the bestower of fruits of actions, therefore he is equipped with arms viz (a) conch to caution the wicked, (b) gada – to punish the sinners (c) chakra – to kill the wicked and padam (lotus flower) a symbol of serenity and calmness to indicate the devotees to lead a life like a lotus flower, if he desires to attain liberation. Since quarks are combined with protons, hence four hands have been shown. When masses on earth become criminals, sinners and wicked, then lord Vishnu in some form or the other incarnates to relieve the earth from sinners and protects the righteous people. Thereafter the rule of Natural laws is restored.

Shri Garud:- Garud is a huge powerful bird capable to fly, may be a kind of dinosaur. This can fly at a terrific speed. Lord Vishnu uses this carriage while going to protect his devotee and grant him boon. This bird is supposed to eat away serpents (a symbol of electromagnetic energy). The meaning appears, that Garud is capable to demagnetize and relieve the person from the '*nagpash*'¹ (a symbol of magnetized state of the body).

Symbolic picture of goddess Laxmi:- (Fig. 5.02(b)) The goddess Laxmi is the daughter of the ocean. The ocean is the storehouse of several kinds of jewels. Laxmi is the best jewel in the form of a beautiful woman, which has been offered to Lord Vishnu by the ocean. This goddess keeps herself busy in massaging the feet of the lord. This means that if the lord is pleased, the devotee can acquire enormous wealth.

Lord Vishnu

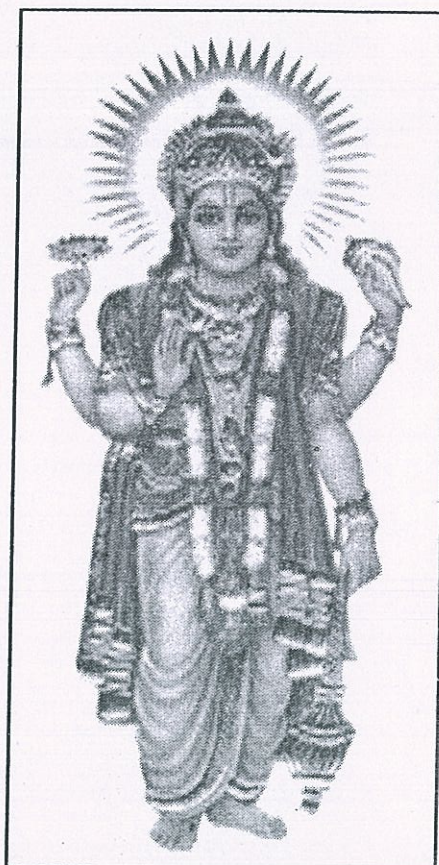


Fig. 5.02(a)

¹ Sri Ram Charit Manas verse 74 (Ka) Chapter no. VI.

Every particle has its anti particle, hence proton has its negatively charged antiparticle known as anti-proton, which holds goddess Laxmi. The role of lord Vishnu is to sustain the beings and wealth is very essential for sustenance, therefore goddess Laxmi has a complementary role in this activity.

The bluish tinge of proton stars keeps the Vaikunth loka replete with soothing charm. **The billions of electron volts power is available in vaikuntha. Naturally, therefore, there has to be unlimited wealth, the excellence of beauty and extremely entertaining environment in abundance.** This region is attached to the central part of the galaxy and is therefore the most powerful region. In Vaikuntha, the souls, which have been granted liberation by lord Vishnu reside and enjoy bliss.

goddess Laxmi



Fig. 5.02(b)

3. The symbolic picture of Lord Shiva:- (Fig. 5.03 (a)+5.03(b))

The icon of lord Shiva is normally depicted sitting exclusively on the snowy mountains of Kailash in meditative posture. He is shown as calm and serene. On his forehead, the crescent moon and on the crown the mother 'Ganga' is shown oozing out. Whole body is enwrapped with serpents. A mark of third eye is also shown *between* two eyebrows. He wears the panther skin on the lower part of the body. Whole body is smeared with ash of cremation ground.

In the second posture lord Shiva is shown with his full family including the vehicles of each member. The family comprises of his wife Parvati, two sons Lord Ganesha and Swami *Kartikeya*. The vehicles are respectively Vrakha (Bull), lion, mouse and the peacock.

In this case also the law '*As the microcosm so the macrocosm*' verily

Lord Shiva in Samadhi

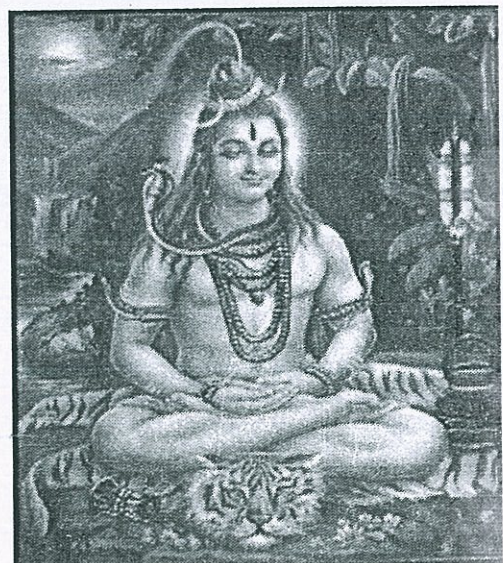


Fig. 5.03(a)

applies. In the nucleus the neutron particle is bonded with proton with energies of about 10 million¹ electron volts. Parallel to this in our galaxy the proton group of stars is bound with the neutron group of stars with billions of electron volts. Like the protons, the neutrons also race in the nucleus with a velocity of about 40,000 miles / second. Parallel to this, the neutron group of stars also race on their fixed axis. Since unmanifest conscious godforce lord Shiva is not to do recording of informations, therefore He is shown with closed eyes in meditative posture. Out of the three basic particles, the neutron is the heaviest one (1.68×10^{-27} kg). Parallel to this the central column carries 2/3rd weight of the total galaxy. The electron and proton group of stars form billions of nuclear furnaces, hence according to the law of opposites, the central column of the galaxy has to be covered with snow. Lord Shiva is therefore shown seated on Kailash mountain covered with snow. The mountain is the symbol of strength, heaviness and of huge amount of potential energy i.e. the goddess Parvati. Goddess Parvati is therefore, the wife of Lord Shiva. The central column of the galaxy being the heaviest, therefore is holding the entire Akash Ganga. Hence lord Shiva is shown carrying '*Ganga*', the symbol of Akash Ganga², on his crown. There are several constellations as the part of galaxy effecting the human behaviour including the moon, so the crescent moon is shown on the forehead of Lord Shiva as a representative symbol of all constellations. It appears that at the end of Kalpa (4.32×10^9 solar years) every star gets annihilated and converts into a black hole forming a long chain around the central column. All this scene becomes invisible at the end of the total annihilation. This scene possibly has been termed as the garland of human skulls around lord Shiva.

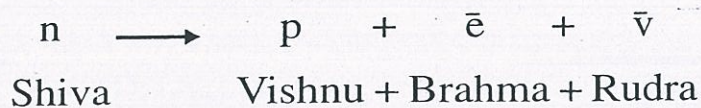
Whenever neutron is outside the nucleus it breaks due to weak force. While in motion the serpent and the force both make sine wave, hence serpents are the symbol of weak force and therefore are shown enwrapped on the body of lord Shiva. Lord Shiva performs the function of annihilation through his mobile force '*Lord Rudra*'. Hence third eye shown on the centre of two eyebrows represents the placement of lord '*Rudra*'. Wholly naked posture symbolizes His complete detachment from the matter world. Since Brahma,

¹ The nuclear force holds protons and neutrons to-gather with energies of about ten million units. P-253 the Tao of Physics 3rd edition Publishers M/s. flamingo.

² The discussion regarding '*Ganga*' - the symbol of Akash Ganga may be referred in (i) Sessions I, V & VI of Part II (ii) The Symbols- Commonly used in Puranas in Part III of the book and (iii) P-100 of Shiv Purana thirteenth edition Vikram Samvat 2057 publishers M/s. Geeta Press Gorakhpur U.P. (India).

Vishnu and Rudra are born from Him and through these godforces, He performs the functions of creation, sustenance and annihilation, therefore, He himself is not seen performing any activity. Lord Shiva is the EGO of *Brahm* and the cause of all beings, therefore, He controls the EGO of all beings, and is known as Maheshwar (the greatest administrator).

At the beginning of the creation neutron particles burst into electron, proton and neutrino, which in terms of science¹ have been expressed as:-



After this division, the electron group of stars are constantly in motion i.e. one billion suns are circling around the nucleus of the galaxy, whereas godforce Rudra remaining invisible is constantly destroying them. The object of this annihilation is to bring the creation to the original position i.e. total calmness and non – activity. The broken particles tend to combine and become neutrons again. This is how the entire nature after a fixed period retreats to its original position. Similarly every jeevatman is trying to attain the neutral state. On the beginning of the creation lord Shiva blows damru (a kind of handy drum), then the creation starts. In the same way, during the period of annihilation, the destruction goes on with series of explosions and the annihilation process is completed by eleven Rudras, through eleven ways.

During this period godforce Rudra assumes a very horrible form and performs Tandav (dance of annihilation). In fig. 5.08 red tongue mark on the palm symbolizes the act of annihilation. Trishul (weapon having three forks) in the hand of Lord Shiva symbolizes the killer of three kinds of pains (physical, mental and spiritual) of human beings. Fourth hand raised upwards symbolizes protection pose to devotees. Since neutron particle is also composed with quarks, hence four hands symbolize quarks.

The icon of Lord Shiva conveys the message to the devotees, that he who remains unattached from the world of matter and does not react to external stimuli i.e. heat-cold, respect-disrespect, pains-pleasures etc., Then this leads the human sub-conscious becoming devoid of impressions. Consequently the alpha and beta waves merge into gama waves and jeevatman merges into the source, i.e. the Lord Shiva. This state is called

¹ P - 250 the Tao of Physics, 3rd edition, Publisher M/s. Flamingo.

'*Mokshha*', which is very very difficult to attain¹.

Shiva, Parvati and Family: - (Fig. no. 5.03(b)) The family club of Lord Shiva consists of opposite and inimical members, which conveys a message for the devotees that: -

1. Even in opposite situations they should maintain the calm and serene mental equipoise.
2. Should not have inimical thinking towards any one.
3. Should maintain full coordination, and love with every one.

The devotee thus learns a very important lesson of keeping equanimity by following which he falls in line with Lord Shiva.

goddess Parvati :- Anti-neutron particles being neutral (\pm), hold the goddess Parvati, the symbol of potential energy. When the creation was in the state of calmness and balance, then it existed in the form of potential energy. This is why Parvati has been recognized as the primordial energy. God's will pushed the nature into motion and potential energy converted into kinetic energy. Since Kinetic energy moves to far off distances, hence it has been named as Durga² fig. no. 5.12. The carriage of Durga is lion and she has eight hands. Perhaps eight hands may be the symbolization of quarks as in case of neutrons. Durga with eight hands holds the armaments and mounts on the lion. Thus she is depicted ready for war with demons viz. Mahisasur, Madhu and Ketabh. These demons are the symbols of laziness, Raga and Dwesha respectively.

By praying durga the negativities of the practitioner are destroyed and prana(electro magnetic energy)level is raised. This results into raising the level of intellect and knowledge as well.



Fig. 5.03(b)

¹ The manifestation of galaxy as a separate entity from Brahm at the beginning of the creation is a symbol of collective EGO. Due to this collective EGO a kind of feeling resides in each Jeevatman, that it is a separate entity from Brahm. The moment Jeevatman realizes oneness with Brahm, it attains *salvation*.

² The Sanskrit term Durga means which moves to far off distances. (दूरगामिनी = दुर्गा)

This is followed by the increase in wealth and fulfilment of all his worldly desires (noble or wicked).

The energy is convertible in seven other forms. Their Sanskrit and possible scientific names are mentioned on the chart at fig no. 4.06 in Session-IV. In modern age all the forms of energies are profoundly in use.

Vrakha (Bull)-The carriage:- Vrakha is the symbol of *Dharm*. It stands on four legs i.e. Sathya, tapah, selfless duty (nishkaam karm) and Daan(Alms). Lord shiva is also known as the Supreme Guru, hence He is the storehouse of knowledge. The lord governs the nature as per rules of Dharm, meaning thereby, that He gets the rules of Dharm implemented from nature. This is why his carriage is vrakha.

Shiva-Upasana (worship to Lord Shiva): This is very well known, that lord Shiva gets pleased very soon and bestows boon generously. During meditation on the form of lord shiva and chanting his name, the varieties of electro magnetic particles specially the neutron particles are attracted towards the practitioner from the environment and form an aura around him. As already said, that neutron soon breaks into proton, electron and neutrino particles. Hence this tendency of neutron of breaking soon has been termed in the language of literature as Lord Shiva is pleased soon. It is therefore natural that the desires of the devotee are soon fulfilled.

In the vast literature of worship of lord Shiva, beside the mantra '*Om Namah Shivaya*' a well known mantra called *Mahamritunjaya* occupies a very high position, because its objects and achievements are highly beneficial for the humanity. The sanskrit version of this mantra is given in the footnote for the benefit of the sadhakas. It is believed that by chanting and doing japa of this mantra the ensuing death can be deferred and seriously ill patient can get relief from the pains. No doubt reverence and faith have great impact on our life, yet it is worthwhile to know the correct interpretation and objects of the mantra. These are given below:-

The Mantra¹: **Om Triyambakam yaja mahe,
Sugandhim Pusti Vardhanam,
Urvarukmiv Bandhnat
Mrityormuksheeya Mammritat**

¹ Mahamritunjaya Mantra : ॐ त्र्यम्बकम् यजामहे, सुगन्धिम पुष्टि वर्धनम् ।
उर्वारुकमिव बन्धनात् मृत्योर्मुक्षीय मामृतात् ॥

**1st Stanza:- Om Triyambakam yaja mahe
Sugandhim Pusti Vardhanam,**

Oh lord Shiva! Having three eyes and of the form of Om I worship you and pray you, that I may kindly be granted a disease free, healthy and ever growing, well built physique, (The term sugandhim' means completely disease free, well built healthy physique, because such a body alone emits a soothing aroma)

2nd and Urvarukmiv Bandhnat

3rd Stanza :- Mrityormuksheeya Mammritat.

The way a melon gets separated very smoothly from the stem when ripe, similarly O lord! I may attain painless death (In normal cases the death is very painful, the reasons may be many). And after death, I may kindly be granted salvation (Mokshha - the complete freedom from life and death cycle).

The essence is that the devotee desires three boons from the lord:-

1. disease free, healthy and well built body
2. Painless death
3. Freedom from the cycle of life and death.

Usually in the temples a symbol of lord Shiva known as Shiva linga made from black stone is placed on a stand. This symbol is bathed by the devotees with water, milk and honey. The devotees also perform '*Shodash Puja*', keep fast and do japa of Shiva mantra by sitting around the Shiva symbol (linga).

Somehow the design of the stand on which the Shiva symbol (linga) is placed is such that the water, milk and honey with which the symbol (linga) is bathed by the devotees gets easily drained outside the temple.

In fact linga represents the central column of our milky way (Aakash Ganga). Some people out of illusion have misinterpreted the linga as the symbol of male sex organ and the stand as the female sex organ. In sanskrit out of other meanings e.g. symbol

Shiv Linga

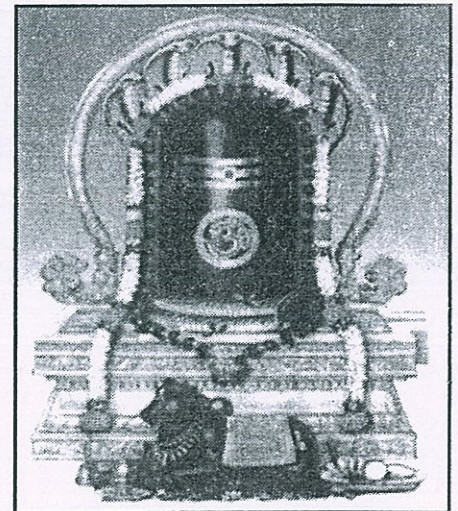


Fig. 5.03(c)

etc., the *linga also means the male sex organ*. This meaning has misled the people to interpret wrongly, which has caused confusion and scepticism in the society.

At the dawn, red rays are emitted from the sun. These are beneficial for health and it appears, that there is the intense rain of proton particles also, hence early morning sun should be bathed and prayer to sun god be offered for good health. The leaves of Tulsi (*ocimum sanctum*), specially the root, the bark of Peepal tree and Ganga water have therapeutic value and contain such chemicals, which are useful for health. It appears, that due to the herbs and minerals mixed in the ganga water it does not decay for years and the microbes of the dead body thrown in Ganga river are destroyed very soon. These Prateeks (symbols) have been found very useful in the life of human beings. Due to the mixing of chemical waste and sewers in Ganga, the quality of water has gone down. By placing Tulsi in normally clean water, it becomes free from pollutants. This is why the priests give this water to every visitor devotee of the temple. Besides having therapeutic value, the root of Tulsi increases sex potential. This is why for a happy marital life, its use is beneficial. Some leaves of Tulsi should be used by every one every day. The bark of Peepal tree has been found useful for menstrual problems of the women and also in Asthmatic disease. The masses have faith that by worshipping Peepal tree, the devotee becomes wealthy and prosperous. This is why, it is believed, that lord Vishnu resides on it. These beliefs should be investigated and evidence gathered by the scientists.

4. Sri Rama:- The symbolic picture- (fig. 5.04) Shri Rama a matchless warrior holds a bow and an arrow and has been depicted with calm and serene pose. Obeying the instructions of his father king Dashrath, He proceeded to the jungle for fourteen years. There He killed fourteen thousand demons including their heads **Khar, Dushan and Trishara**. Later with the help of a big army consisting of monkeys and bears, He killed Ravana, Kumbh Karan and Meghnaad including a big army of demons and returned to Ayodhya. He was then throned as the emperor. Lord Rama lived a life of austerity and high moral values. Thus He showed a great path of Tapah (austerity), one of the four principles of Dharm by following which any one can attain Mokshha (salvation). Devotees worship Him as He is believed to be the incarnation of godforce Vishnu.

Scientific Picture of Lord Rama: The human shell consists of five

sense organs and five organs of action. The chariot consisting of these ten limbs is personified as Dashrath (the father of lord Rama). As per the law, “*As the microcosm so the macrocosm,*” the spirit¹ (Atman) in the human shell is lord Rama in the macro.

When our galaxy completes fourteen rounds of the universe, then this period is known as fourteen Manus². This has been symbolized as fourteen years of living in jungle by lord Rama. During this period both kinds of god and demon particles are born and absorbed in the space. This is the continuous process³. The god particles render their service to lord Vishnu in the activity of creation and sustenance. These god particles are named by Puranikas as Hanuman, Jamvant, Angad, Nal, Neel, Vibhishan, Bali and Sugreeva. The god particles identified by the above names symbolize the specific tendency. On the other hand demon particles are engaged in destruction, because these are opposed to the natural tendency of creation and sustenance.

Lord Rama

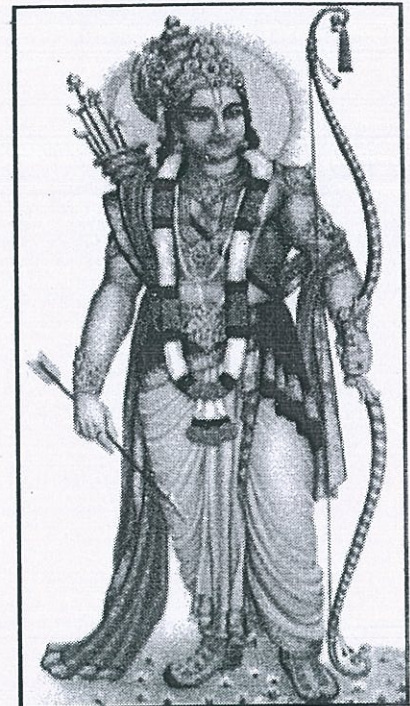


Fig. 5.04 (a)

¹ In Kathopnishad in symbolic language, the human shell has been termed as the chariot; mind as the reins of horses yoking the chariot, Indriyas as the horses, the objects of enjoyments as the road, the intellect as the chariotecr, *the spirit as the lord*. – Kathopnishad 1/3/3-4.

² About 100 billion galaxies are circling around some centre. Our galaxy when completes fourteen such rounds, then this period is known as one **Kalpa** (4.32×10^9 solar years) or fourteen **Manus**. During every round (**Manu**) there is a constant change in the tendencies of the human beings living on mother earth, resulting into the creation and destruction of varieties of beings. This is followed by the varieties of changes in the ways of living and so the creation and destruction of civilizations also takes place accordingly. Comforts, conveniences, means of luxuries, enjoyments also constantly change with the movement of the galaxy.

Since **Indra** is the personified symbol of sense organs (Indriyas) at macro level, and with the change of Manu, the comforts, conveniences and luxuries also change, therefore it is said, that ‘Indra’ the enjoyer of comforts conveniences and luxuries also changes.

$$\text{One Manu} = \frac{4.32 \times 10^9}{14} = 71 \frac{3}{7} \times 43,20,000 = 71 \frac{3}{7} \times (\text{Total age of four yugas}):$$

$$= 30,85,71,430 \text{ Solar years}$$

Sathyuga=17,28,000 solar years; Treta Yuga=12,96,000 Solar Years; Dwapar Yuga=8,64,000 Solar Years and Kali yuga=4,32,000 solar years.

³ These interactions involve a ceaseless flow of energy manifesting itself as the exchange of particles, a dynamic interplay in which particles are created and destroyed without end in a continual variation of energy patterns – P-249 The Tao of Physics, 3rd edition publishers M/s. Flamingo.

These demon forces are named by the Puranikas as Ravana, Kumbh Karan, Meghnad, Khar Dushan and Trishira etc. To destroy these demon forces, Shri Rama, the invisible conscious godforce acting behind photon particles incarnates. This may be termed as the poetic imagination. According to modern science there are hundred billion galaxies and each galaxy on an average contains hundred billion stars (suns). These stars emit huge number of Photons, which roam through out the universe [see fig. 5.04(a)]. Hence photons hold the godforce Shri Rama. Sri Rama is the personified symbol of photons, which also symbolizes knowledge and discipline.

In Ram Charit Manas¹ Sri Rama has been described as the personified symbol of light. Following lines reveal this fact.

1. Sahaj Prakash roop Bhagwana

god is of the form of light.

2. Jagat Prakasya Prakashak Ramoo

Sri Rama is emitting light due to which the whole universe is full of light.

3. Sab Kar Param Prakashak Joyee; Rama anadi Awadhpati soyee

That who is lighting the universe, He is lord Rama, the emperor of Ayodhya He is unborn and has no beginning.

There is one more definition of the term '*Rama*' :- "*Yah Sarvatra Ramte Sah Ramah*" – That He who roams every where, is Omni present, resides in every particle² of the universe. There is no entity or living creature, who is devoid of light. Thus Rama is omni present. According to the law of microfication, the micro waves control and regulate the grosser waves and the matter world is created from grosser³ waves. *Since the god and demon particles both are created and destroyed continuously in the space and the universe is an integrated whole, therefore this battle of particles constantly influences the events on earth.* Out of demon forces, Ravana, Kumbh Karan and Meghnad respectively symbolize pride, laziness and Moh (attachment to the matter world), whereas Khar, Dushan and Trishira symbolize desires, anger and

¹ Sri Ram Charit Manas verses between 115-116 & 116-117 Chapter no. 1.

² Thus the electromagnetic forces are due to the presence of virtual photons within charged particles –P-245 The Tao of physics, 3rd edition publishers M/s. Flamingo.

³ The matter is formed of the permutation and combination of electromagnetic waves.

greediness. These wicked tendencies are destroyed by knowledge, whose symbol is Shri Rama. Moha (attachment) is destroyed by gravitational force, the symbol Sri Laxman. *Above said six wicked tendencies constantly try to overpower the human consciousness and as a result the followers of Vedic ideologies are tortured frequently. This battle is continuously going on, particularly during the periods of Treta, Dwapar and Kaliyugas because then Dharm¹ respectively stands with three, two and one leg only.*

The cosmic struggle continues for the entire period of Kalpa or fourteen rounds of our galaxy. Negativities like Kaama, Krodha, Lobha, Pride, Laziness and Moha are the tendencies created by the demon particles on earth. The Ramayanas written by Rishi Balmiki, Goswami Tulsi Dass and several others appear to point out this very idea stated above. Every poet whatever scene he saw happening in the space during their state-of-trance recorded in his Ramayana. This is the reason, that there is the difference in the texts of Ramayanas written during different Kalpas. By the time the whole Aakash Ganga is totally annihilated our solar system is created and destroyed for 36000² times. Possibly Rishis might have written Ramayanas same number of times also. They wrote all those events in the symbolic language, which the modern scientists are

Particle Collision in Bubble Chamber

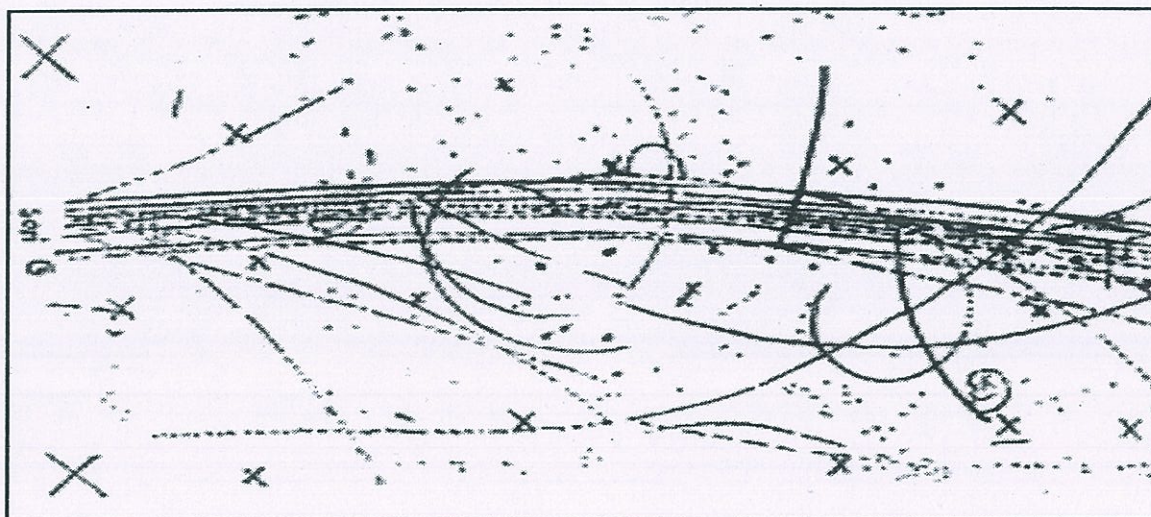


Fig. 5.04(b)

¹ Dharm has four legs Sathya, Tapah, Selfless duty and Daan (Alms giving).

² The detailed calculation for this has been given ahead in this very Session.

viewing in the *bubble chamber*¹. Those events are verifiable and can be explained to the modern generation for their benefit. Like Balmiki Rishi Ved Vyasa also on the advice of Dev Rishi Narad wrote the Bhagwat Katha² - the life history of lord Krishna, which he saw in the state of trance. This Katha is full of emotion, love and devotion to the lord. Indians are proud of the heights and depths, which the Rishis could pierce through the macro. The statistics of eighty four lakhs of yonis appear to be something like the multiplication of fourteen manus (rounds of galaxy) into six negativities discussed above.

Sri Rama has been depicted in the form of a warrior holding arrow and a bow in his hands. The object of showing these armaments in his hands is that only photons can destroy the demon particles and this is symbolic. The understanding of the meaning of the “*law*”- “*As the microcosm, so the macrocosm*” for the common man is extremely difficult, hence the learned poets have presented the facts of Astrophysics in the poetic way. The basic object of all the above exercise is to lead the masses to God and keep the fabric of Mokshha oriented society intact. This style is matchless.

It is essential to provide model guidelines to the people on family behaviour e.g. father-son; brother-brother; husband-wife; and the king-people; as well as social, political and religious discipline etc. Hence the same has been done by the poets. During one Kalpa³ Hiranya Kashyapu-Hirnakshhya are killed, whereas in the next two kalpas Jalandhar and Ravana are killed. Events of Astrophysics have been presented duly converted into symbols of human forms in the excellent literary way. This style of Indian poets is par excellent. The aim of such presentation is to create a wholesome⁴ literature useful for every class of people and for all the three periods of time.

Sri Rama is stated to be the incarnation of godforce Vishnu. All jeevatmans are born on this earth due to the samskars (informations) gathered into their sub-conscious. Since godforce Vishnu carries the samskar (desire) to kill the wicked and re-in-state Dharm, hence it is said

¹ Refer Fig. 5.04 (b) showing the particles fighting in bubble chamber - Picture taken from The Tao of Physics, 3rd Edition, Publishers M/s. Flamingo.

² P-64 Srimad Bhagwat Mahapuram Vol. I fifteenth edition, Samvat 2047, Publishers M/s. Geeta Press, Gorakhpur (U.P.) India.

³ Sri Ram Charit manas verses between 121-124 Chapter - 1.

⁴ Refer an essay in part III of the book “*The vision of totality-Sathyam Shiivam, Sundaram.*”.

that lord Vishnu (sub-conscious of the macro) incarnates as Sri Rama. After returning to Ayodhya (peace zone or a place where there is no battle), Sri Rama rules for full one kalpa. This is the period when our solar family remains in the state of calmness. So this is the period of the rule of Sri Rama. On meditating upon the icon of lord Rama the practitioner attains Gyan (knowledge).

5. Sri Krishna: The symbolic picture:- [Fig. 5.05(a)]: The icon of lord Krishna is very beautiful. Its colour is dark black. He holds a flute in his hands. He wears a crown of peacock feathers and kundals of the form of crocodile on both ears. He has a smiling pose, oblique gaze, oblique feet, the neck turned to opposite side. In some pictures He stands supported with a cow. In some others, He is seen playing flute along goddess Radha. He used his armament the *chakra* only once to kill Shishupal, otherwise He does not hold any armaments. His jolly and playful childhood stories, e.g. running away from battle field, and dancing with Gop-Gopies during the ceremonial '*Maha Raas* (Great dance) are some of the charming events of his life history. Preaching Srimad Bhagwad Geeta to Arjuna, the supreme knowledge of Indian philosophy has made lord Krishna an unforgettable personality for ages.

In the whole creation two supreme forces, light (Sri Rama) and attraction (Sri Krishna) are eternal. Electro magnetic waves are the basic building blocks of creation. Both these forces with the help of these electro magnetic waves perform the function of creation, sustenance and annihilation.

Force of attraction :- In terms of literature, it is expressed as love. "*Yah Karshati Sah Krishna*". This means, who attracts every one towards Himself, is Krishna. This is how Lord Krishna is the symbol of attraction or '*LOVE*'. Love with rustic and innocent cowherds, love for cows, love with Radha, gopies and so on. Thus He generously gives away

Lord Krishna

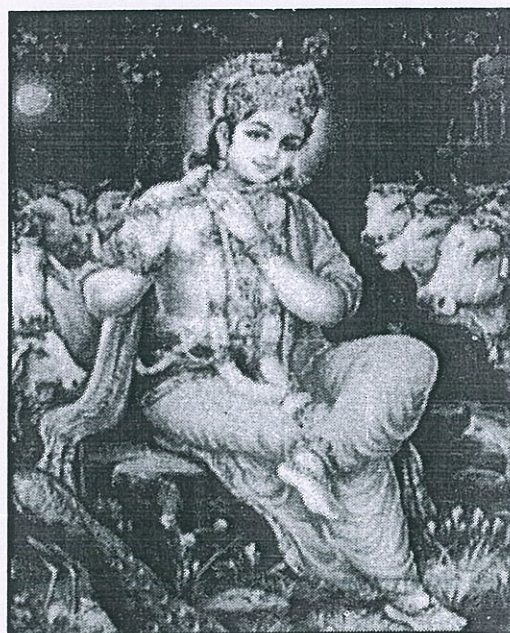


Fig. 5.05(a)

love all around. In the specific design of icon with four oblique poses i.e. (1) gaze (2) feet (3) waist and (4) neck, He looks very charming. By playing the flute He attracts everyone. He is the incarnation of '**LOVE**'. During the period of creation and until annihilation, 'light force visibly works, whereas force of attraction, even though has equal participation in creation, sustenance and annihilation, remains invisible. The way the photon particle remains present in each particle of the universe, similarly the force of attraction also remains present and gives the motion to the creation. The oblique foot indicates the giving of motion.

The way the armature is rotated within the magnetic field and the wires wrapped round it get charged, similarly it appears that due to the motion in the whole universe, the moving bodies in the space get charged with (+)ve and (-)ve charges. Several bodies remain neutral also. The unmanifest God pushes the universe constantly and from the shower of particles from the galaxies, there exists a permanent field¹ in the whole universe. Due to this situation of (+)ve, (-)ve and (\pm), this world of matter is known as '*Trigun mayee Maya*'.

A recent picture (fig. 5.05 (b)) of the universe taken by the scientists reveals three entities (1) Dark matter—approx mass-23% (2) Dark energy —approx mass-73% and (3) one hundred billion galaxies—approx mass-4%.

Illustration of Maharaas (Scientific View)

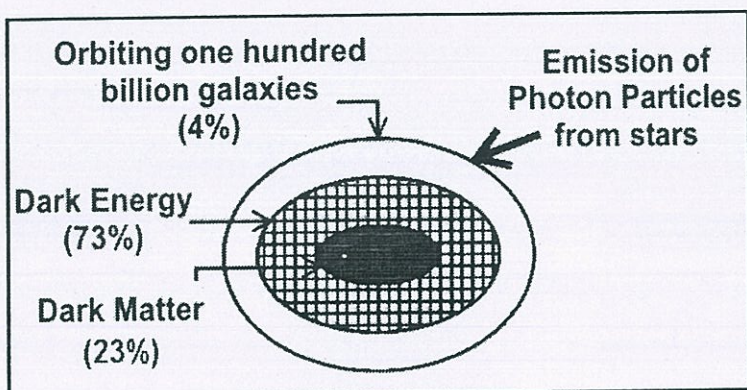


Fig. 5.05(b)

Illustration of Maharaas (Symbolic View)



Fig. 5.05(c)

¹ The field exists always and every where (through out the space). It can never be removed. It is the carrier of all material phenomena – P-246 The Tao of Physics, 3rd edition Publishers M/s. Flamingo.

These galaxies are revolving around an unknown centre, perhaps around '*Dark Matter*' i.e. the lord Krishna (fig. 5.05 (c)). In the language of symbols, this has been termed as the Maharaas occurring on the platform of the universe. Since Law of cycle is an eternal law of nature and the entire creation moves according to this law, therefore it applies on galaxies too. This play constantly goes on. During fusion in stars the hydrogen particles convert into Helium and other elements. According to the law of cycle, these elements should revert back to hydrogen gas. It appears that the process takes place in stages. First helium and other elements become dark matter. This conversion perhaps takes place due to the presence of photon particles raining from the galaxies. It completes approximately in eight lakhs sixty four thousand of years. In the language of symbols this transformation has been termed by the Rishis that Sri Rama incarnates as Sri Krishna. In the next follow up stage, the dark matter converts to dark energy and perhaps this dark energy may be the source of hydrogen clouds to form galaxies and emit abundant light (photons) through hundred billion galaxies. This conversion in the language of symbols has been termed that Sri Krishna (magnetic force) incarnates as Sri Rama (light force). The time period for this conversion is approximately $(4.32 + 17.28 + 12.96 = 34.56)$ thirty four lakhs fifty six thousand years.

If the Rishis' version, is translated into modern science, the possible interpretation works out as above but it does not mean, that due to conversion, Krishna force is completely extinguished. It only means that in a specific period Krishna force dominates and in the next, the Rama force becomes exclusively dominant, even though both go together. The object of incarnation of both the forces is identical i.e. to destroy the wicked and re-in-state the rule of Dharm (Natural Laws). In Vedic scriptures, Krishna force and Rama force have been recognized as equal and it is stated that on completion of the said period Krishna force incarnates as Rama force and vice versa. On meditating upon Krishna force (Love) great power of attraction is produced in the practitioner.

6. Sri Laxman:- } **Symbolic picture :-** In the life history of lord
 & } Rama, Sri Laxman has been depicted as
 7. Sri Balaram:- } younger brother, whereas of lord Krishna,
 Sri Balaram has been described as elder brother.

Both have been stated to be the incarnation of '*Shaish naag*'. Shaish naag is the symbol of gravitational force in the Macro. Sri Laxman holds bow and arrow to kill the demons specially the Meghnad, the symbol of Moha (attachment) Sri Balaram holds plough, which symbolizes him to be a peasant. Both of them render their services to their brothers directly or

indirectly, in killing the wicked and protecting the noble. There are trillions of stars in billions of galaxies. Our galaxy has number of far bigger stars than our sun. The mass of these stars is so huge that the gravitational force inherent in them is also great enough due to which the space around these stars becomes curved. Due to such huge gravitational force in these stars each one attracts the other. Since the force in them is same, hence a repulsive force also works. Thus two forces together keep the bodies in motion as well as on the track.

Secondly, the stars radiate photons all around and when the photons pass through the massive stars, they also make a curved track due to gravitational force. This results in consumption of more travelling time. Hence the gravitational force influences the space¹ and time both.

In Ram Charit Manas² saint Tulsi Dass tells us why the name Laxman has been chosen, because He holds all bodies of the universe and is loved by Sri Rama also. Then he further tells us through Rishi Balmiki that Sri Laxman has assumed human form and is the incarnation of **Shaish naag** and has come on earth to kill the demons and protect the gods. Similarly in Bhagwat³ Puran it is stated, that Sri Balram is the part and parcel of lord Krishna and is the incarnation of shaish naag.

From the above, it is evident that the light force Sri Rama and gravitational force, Shri Laxman as well as magnetic force Sri Krishna and gravitational force Shri Balram go hand in hand in performing the activities of creation, sustenance and annihilation or they⁴ participate with each other in carrying out a big drama (lila) on the platform of the universe.

¹ Where ever there is a massive body, there will also be a gravitational field, and this field will manifest itself as the curvature of the space surrounding that body. We must not think however, that the field fills the space and curves it. The two can not be distinguished. The field is the curved space – P-230 The Tao of Physics –3rd edition publishers M/s. Flamingo.

² Sri Ram Charit Manas Chapter no. 1 verse no.197 and Chapter-II between verse 125-126.

³ Srimad Bhagwat Maha Puran (P-122-123); IInd volume, fifteenth edition Vikram Samvat 2047, publishers M/s. Geeta Press Gorakh Pur (U.P.) India.

⁴ These interactions (forces) seem to fall into four categories with markedly different interaction strengths:

- (a) The strong interactions (force)
- (b) The electro magnetic interactions (force)
- (c) The weak interactions (force)
- (d) The gravitational interactions (force). Among them electromagnetic and gravitational interactions are the most familiar, because they are experienced in the large scale world (macro). The gravitational interaction (force) acts between all particles, but is so weak, that it can not be detected experimentally. In the macroscopic world however, the huge number of particles making up massive bodies combine their gravitational interaction to produce the force of gravity, which is the dominating force in the universe at large. Electromagnetic interactions take place between all charged particles. They are responsible for the chemical processes and formation of all atomic and molecular structures. – P-253 The Tao of Physics, 3rd Edition Publishers M/s. Flamingo.

8. Shri Bharat:- The way two forces (1) Electro magnetic and (2) Gravitational exist in the macro, similarly two forces (1) Nuclear force¹ and (2) weak force also exist in the micro (atom). The whole matter world is created by the combination of atoms and molecules. Varieties of food stuff available on earth is produced from these atoms and molecules. The physical bodies of four kinds of jeevas (1) *Udbhij* (world of trees and plants); (2) *Swedaj* (worms and germs born during hot, cold and humid climate); (3) *Andaj* (born from eggs); (4) *Jarayuj* (animals, human beings born from the womb of a female) are constituted from atoms and molecules.

In whole of the creation, there is a common rule, that the lower species are the food for higher ones and human being is the highest evolved being, hence he can eat all species. This means that in whole of the creation every one is the food for the other. *The source to produce such a food is the nuclear force existing in the nucleus of the atom. Hence nuclear force is responsible for production of food for the whole creation.* Shri Bharat Ji is the symbol of this nuclear force. This has been confirmed by saint Tulsi Dass in Ram Charit Manas¹ in the following terms:-

*“Vishwa Bharan Poshan Kar Joyee,
Taakar naam Bharat us hoyee”*

Meaning:- while declaring the names of all the four brothers during the naming ceremony, Rishi Vashistha says, that the child, who is responsible for feeding the entire creation, his name is ‘**Bharat**’. (In the atomic nucleus, ten million volts force exists, hence from this force entire matter world is created).

8(a) Shri Shatrughan: In Sri Ram Charit Manas² saint Tulsi Daas says:- Like Bharat Ji Sri Shatrughan Ji also stays in Ayodhya and following the instructions of his brother, he too devotes himself for the welfare of his people. Thus he fully cooperates with his brother. While declaring the names of the four brothers in the naming ceremony, Rishi Vashistha says:-

*“Jaake sumiran ten repu nasha, naam shatrughan ved Prakasha”
“Bharat Shatrughan Dunau Bhai, Prabhu Sewak jasi preeti barhayee”*

Meaning :- By remembering the name of Shri Shatrughan, the enemies are destroyed. His name is well known in Vedas. There is the

¹ Sri Ram Charit Manas, Chapter-1 between verse 196-197.

² Sri Ram Charit Manas, Chapter-1 between verse 197-198.

lord and servant relationship between the two brothers.

In the above para, it has been discussed that there exist two forces (1) Strong force and (2) weak force in the nucleus of an atom. Shri Bharat Ji is the personified symbol of strong force, whereas Shri Shatrughan Ji is personified symbol of weak force. As per Ram Charit Manas another aspect of Sri Shatrughan Ji is observed that he becomes angry to see the wickedness of **Kaikayee**, the queen and Manthara the maid servant.

In the fit of anger, he then pulls the maid servant from her hairs on the ground, whom Sri Bharat lets free. The above literary work appears to have been written on the basis of following scientific facts.

Inside the atom, proton and neutron particles continuously release meson group of particles (Pion, kaon and eta) and they simultaneously absorb them also. Possibly due to weak force meson group of particles are released in the nucleus, but due to strong force, these particles are absorbed. In case, the neutron particle is outside the nucleus, it breaks in three parts (1) proton, (2) electron and (3) neutrino and are not absorbed back. This is known as beta decay¹. Thus Sri Shatrughan and Sri Bharat respectively represent weak and strong forces present in the nucleus.

9. Indra Dev:- According to the modern science, there are ten particles viz electron, proton, neutron, photon and neutrino as well as their anti particles, which live till the cosmos lives. Besides these there are eight more particles whose life time comparatively is much less. Apart from these eighteen numbers more than two hundred² particles have been identified by now. Many of these are charged particles. Out of these, some particles play an active role in favour of lord Vishnu i.e. they work for creation and sustenance. Hence these are known as god particles.

There are other particles, which remain engaged in destroying the god particles, hence these are categorized as demon particles. All these particles are emitted from the galaxies and they battle with each other. This battle scene perhaps has been named as Devasur Sangram (battle of gods and demons) by the Puranikas. (This subject has been dealt in detail in Sessionn no. VII).

¹ The weak interactions manifest themselves only in certain kind of particle decays such as the beta decay – P-254 The Tao of Physics, 3rd edition, Publishers M/s. Flamingo.

² Thus the number of particles increased from three to six by 1935 then to eighteen by 1955 and to-day we know over two hundred elementary particles P-86 The Tao of Physics 3rd edition M/s. Flamingo.

On our earth visible gods are (1) water (2) fire (3) earth (4) air (5) space and (6) rain, who are supporting the activity of creation and sustenance. Electro magnetism is in the base of all these gods, but clouds not only rain due to which all kinds of harvest e.g. food grains, vegetables, fruits, plants and herbs are produced, but they produce huge quantity of electricity as well. Since electricity is much more powerful than all the gods, therefore the thundering cloud has been symbolised as Indra, the king and administrator of all the gods. Since electricity can also carry out destruction, therefore, the personified god Indra holds an armament known as '*Bajra*', a symbol of destruction.

It is now a common experience for human beings, that the electricity has made our life very very comfortable and luxurious. The contribution of electrical appliances viz – heater, fridge, T.V., Cinema, discotheque, musical instruments, lighting bulbs and so on is extremely great. On the basis of the law, "*as the microcosm, so the macrocosm*" such comfortable and luxurious situation has been assumed in the macro as well, where, in the court of lord Indra, the '*gandharvas*' (god musicians) perform beautiful music, Apsaras (charming women) dance, enchanting the viewers with their excellent beauty and art, offer varieties of high quality food and drinks etc. It means, that the limitless pleasures assumed to be available in heaven represent the highest order of sensuality.

If a person remains absorbed in certain pleasant dreams and also tries to achieve them, then his desires are fulfilled either here or in heaven. This happens due to the creative power of the sub-conscious. After death in heaven, jeevatman experiences material pleasures based on his wishes and righteous karmas. This is termed as the pleasures of heaven. Since quality and kind of thoughts i.e. the tendencies of human beings change with the movement of the galaxy, hence this results in change of quality and kinds of physical comforts and luxuries on earth. Indra¹ is the symbol of physical comforts and luxuries, which do change after a fixed period i.e. after every manu (cycle of the galaxy). This change is a continuous process. In the same way the person is destroyed due to sensual enjoyments. It is stated in Puranas, that there is a continuous battle going on between gods and demons and finally the wicked forces (sensual, desires) overpower the kingdom of lord Indra. Then lord Vishnu incarnates to protect gods and then the demons are killed. In the human mind also,

¹ Srimad Bahgwat Mahapuram, Vol. I, fifteenth edition, publishers M/s. Geeta Press Gorakhpur, (U.P.) India (P- 248).

there is a constant battle going on between negative and positive thoughts, but when the godly and righteous thoughts dawn, then wicked thoughts are annihilated. Thus mental equipoise and peace are restored. Meaning thereby, that there is a continuous fight between the self (Rama) and ten headed monster Kaam, Krodha, Lobha, Moha, Mada Matsar, Ghrina, Irshya, Dwesha and Bhaya – the Ravana.

9(a) Eravat Elephant:- The Eravat Elephant is very powerful and intelligent as well. Like his master, it represents sensuality.

10. Sri Hanuman: (fig. 5.06):- The way the human mind flickers and changes rapidly indicates its tendency to remain restless, similarly according to the law as the microcosm, so the macrocosm, the God's mind should also be restless. Since this tendency is found in the monkey, therefore Sri Hanuman Ji is the symbol of the mind of Vaishwanar (God). But the mind of the Vaishwanar has to be very mighty also, therefore Sri Hanuman Ji has been depicted as a mighty monkey in the scriptures. The story goes, that He had swallowed the sun when He was a child only, but on prayer of all the gods He released it. Since from motion of sun and the moon the time calculations are made, therefore the swallowing of the sun by Sri Hanuman Ji means that God determined and the "TIME" became standstill. Similarly as and when the practitioner enters into Samadhi, then he becomes thoughtless, which means the movement of the mind stops, so for him the time also stops. At this stage the practitioner goes beyond the concept of 'TIME' and 'SPACE'. Sri Hanuman Ji was blessed by mother Sita¹ to remain free from old age, be immortal, become the store house of all noble qualities and Sri Rama be always kind to Him.

god Sri Hanuman Ji

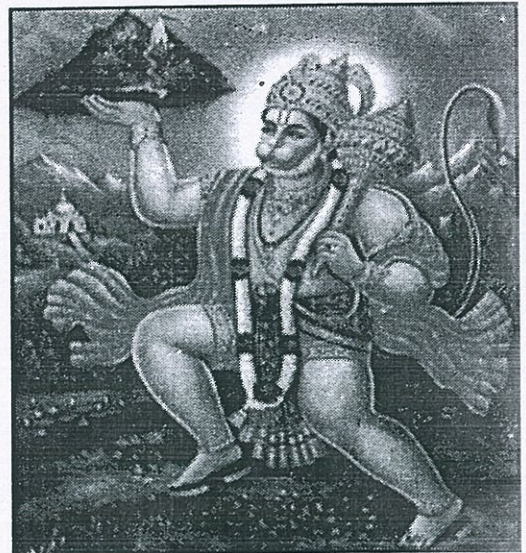


Fig. 5.06

Shri Hanuman Ji had special powers e.g. Anima (to become as light as an atom); Garima (To become as tall and heavy as a mountain) Laghima (to assume as small form as possible) and so on. Such eight powers are

¹ Sri Ram Charit manas, chapter no.-V between verse 16-17.

known as Sidhis and there are nine more special powers known as Nidhis which Sri Hanuman Ji had acquired. He is the man of perfect celibacy. *In acquiring these powers perfect celibacy is an essential condition.*

It is stated in Ram Charit Manas, that while proceeding to Lanka, He was put to intelligence test by the gods. A god lady named '*Sursa*' challenged Him. '*Sursa*' expanded her mouth as big as possible to swallow mountain sized Hanuman, but Sri Hanuman went on expanding His size and finally became very small and entered her mouth and came out, then bowed and prayed for blessings. Thus He passed the test and the gods were highly impressed. While crossing the sea, he assumed mountain like size and flew over the sea without any aid. The demon Ravana had installed a radar system in between the sea, which he destroyed and went across. He tried to enter Lanka assuming small form (Laghima), which the lady named Lankini detected. Sri Hanuman Ji attacked and made her unconscious, thus He entered Lanka. He again assumed mountain like huge form to convince mother Sita of his capability. While burning the palaces and the Lanka colony, He again used His small form and destroyed Lanka. During the battle with the army of Ravana He again assumed His huge form. While killing **Ahi Ravana** (Brother of Ravana) He assumed the form of Devi. The above events have been described to indicate how mighty the God's mind is and if the practitioner achieves the state of Samadhi remembering His name and said qualities, then He can attain all these Sidhis and Nidhis described above.

By burning Lanka, He performed an act of god Rudra, hence He is also known as the incarnation of Rudra. Sri Hanuman played a vital role in uniting Rama with Sugreeva , Vibhishan and *Saint Tulsi Dass*. The search of mother Sita, consoling her, destroying the Ashoka Vatika, burning Lanka, dialogue with Ravana, crossing the sea as a play, killing of Ahi-Ravana and several chief demons of Ravana are very great and mighty activities, which He performed, yet He remained calm and egoless. Humility, generosity and perfect devotion to lord Rama made Him the pioneer amongst all gods.

His colour is orange, which symbolizes the might, huge energy and bravery. The frequency of this colour is $5.10-4.60 \times 10^{14}$ cycles per second or wave length is $5900\text{\AA}-6500\text{\AA}$. Shri Hanuman is known as a perfect devotee of lord Rama meaning thereby, that God's mind remains in perfect rhythm with his sub-conscious, which means fully under control, therefore

the message is that every human being should keep control over his mind. By praying Shri Hanuman, the practitioner starts gaining control over his mind and so the Siddhis also follow. Shri Hanuman is known as ***Sankat Mochan***- a sure protector of His devotees from adversities. The source of human thinking is situated at the solar plexus. On praying Shri Hanuman through chantings of Hanuman Chalisa, Hanuman Astak and Hanuman Bahuk¹, the power inherent in the solar plexus gets awakened (fig. 2.12), which fulfills the desires of the devotee and thus the practitioner proceeds ahead towards attainment of God.

11. Shri Ganesh ji (fig. 5.07):- The upper part of Shri Ganesha is formed of elephant head, whereas the lower part is of the human form. Shri Ganesha is the symbol of God's intellect. This symbol has several meanings. Elephant is the most intelligent animal. He has very big ears, therefore, he can hear more, but speaks less. As and when he trumpets, the whole jungle is echoed. For every intelligent person this quality is worth following. He should hear more, but should speak only when he has fully digested and is in a position to take decision, otherwise to speak in between is not good. Big belly means the capacity to store all informations gathered through the ears. He uses the trunk to smell things from distance, even ants and knows the danger if any. So every intelligent person should remain cautious from enemies. Small eyes indicate the act of contemplating upon the informations gathered from all around before taking decisions.

god Sri Ganesha



Fig. 5.07

In creating, managing and destroying the universe, the subtle intelligence of God works invisibly. There are billions of galaxies, trillions of stars and infinite number of meteriots. They all are in motion, but it is a miracle, that none of them strikes except according to the plan. ***The entire humanity is compelled to admit the existence of God by observing this very miracle.***

¹ These three kinds of prayer deal with the praise of Shri Hanuman Ji and repeated chanting as mantra, solves several problems of human life.

According to a Puranic story the gods organized a competition to identify the most intelligent god among them. The condition laid down was, whoever returns first after completing three rounds of the universe, shall be entitled of the '*first worship*' Sri Ganesha, the intelligent god performed three rounds of Shiva and Parvati, who are the symbol of the universe and got the reward through unanimous decision of the judges. Like his parents lord Ganesha always remembers the name of lord Rama. Lord Rama is the symbol of light i.e. *Gyan* (knowledge) so Shri Ganesha always dwells in *Gyan* and is not led away by emotions. Due to these special and genius qualities, he has been declared as the '*Vighan harta*' (Remover of obstacles). He is therefore worshipped first, before every worship or function, so that the planned function / worship is completed without obstacles. While performing noble activity, the obstacles normally do come, but an intelligent person solves them easily. Sri Ganesha is worshipped as an obstacle remover only due to this reason. So that we may be bestowed godly intelligence and the work is completed smoothly. The main points, which are helpful in removing obstacles are: (1) Listen more, speak less (2) Speak after thorough understanding and analysis (3) Speak only what is essential (4) Remain calm and serene (5) Keep eyes on opponents and efforts be made to reconcile with them (6) Keep on remembering the name of God.

The laddoos (sweets) on both hands indicate, that the intelligent person is always rewarded with success. Shri Ganesha is worshipped with Doorva (a kind of green grass) and offered laddoos (special sweet made from boondi). In the VIBGYOR spectrum the frequency of green colour is $6.10 - 5.40 \times 10^{14}$ and wave length is $4900\text{\AA} - 5500\text{\AA}$. The colour of elephant is nearly greenish. On meditating upon green colour, the mind is cooled and balanced. It then becomes fit for taking suitable and intelligent decisions. On concentrating upon the icon of Shri Ganesha, the practitioner gets connected with the '*Ajyan Chakra*' (fig. 2.12) and so gains an access to godly intellect and godly qualities.

11(a) Mouse - the carriage:- The mouse is naturally very alert like a detective and through his cutting teeth it crosses over the obstacles inside the earth and makes a way for free movement. It is thus capable to carry his lord to the smallest places. Thus the mouse acts as the complementary to the needs of his master.

12. Tandava dance of Lord Shiva:- (fig. 5.08) : Every galaxy has a fixed life cycle and this process goes on incessantly. At the time of annihilation of the galaxy, the god force Rudra born from lord Shiva assumes the horrible form and performs Tandava dance (dance of destruction). The creation is annihilated through eleven means. Shankar means '*Shamam Karoti Yah Sah Shankarah*'- meaning thereby, that he who brings down the creation to the non activity position or neutral state. Fig. 5.08 shows the god Rudra performing Tandava dance. This figure has been taken from the book "*The Tao of Physics*¹". This symbolic picture can be interpreted in several ways. The upper right hand holding the damru (a small handy drum) symbolizes the activity of primal sound of creation.

god Rudra Performing Tandava



Fig. 5.08

The upper left hand bears a tongue of flame, symbolising the activity of destruction. The remaining two hands represent the dynamic balance of creation and destruction in the world. This is accentuated further by the dancer's calm and detached face. These two hands in the centre represent the polarity of creation and destruction, which is dissolved and transcended. The second right hand is raised in the sign of '*do not fear*' symbolizing maintenance, protection and peace, while the remaining left hand points down to the uplifted foot which symbolizes release from the spell of Maya. The god is pictured as dancing on the body of a demon, the symbol of human ignorance, which has to be conquered before liberation can be attained.

13. God Shiva dancing with Parvati:- It has been said earlier in Session no. IV, that gama rays are responsible for the creation of Shiv Loka (Neutron group of stars), Vishnu Loka (Proton group of stars) Brahma Loka (Electron group of stars). Subsequently from our sun, one of the members of electron group of stars, the earth, the planets, the moon

¹ The Tao of Physics By Dr. Fritjof Capra, Publishers M/s. Flamingo -P-270-271.

etc. are born. As it stands to-day, the moon revolves around the earth, the earth and all planets and meteriots revolve around our sun. Hundred billion stars including our sun revolve around the Shiva Lok, the central column of the galaxy. The particles and atoms emitted from the galaxies revolve around some other body and produce varieties of sounds. Conscious and unmanifest godforce lord Shiva along with his wife Parvati and all other galaxies revolve around unmanifest conscious God lord Krishna, the dark matter. *This is how lord Shiva and His partner the nature i.e. mother force continuously dance.* The artists have created a number of artful designs of the dancing Shiva with His wife Parvati. Several interpretations are possible of this posture e.g. in creation and sustenance, the participation of both is essential. After the creation comes into existence, there is motion every where and every particle moves on its axis and also revolves around some other body. This is how until the total annihilation of nature the dance of Prakrati and Purusha goes on. Meaning thereby, that lord Shiva (unmanifest God) dances with his wife Parvati (nature). *There is the complete science inherent in literature and arts, which has beautifully been interwoven into symbols and made popular. Such style of expression is par excellent technique of Rishis,* which is the result of supreme research. Nearly same ideas have been expressed in following terms by Dr. Frit Jof Capra in his book 'The Tao of Physics' as well (refer pages 271-272).

(a) *“The dance of Shiva is the dancing universe, the ceaseless flow of energy going through an infinite variety of patterns that melt into one another.”*

(b) Since all material particles, *self interact* by emitting and reabsorbing virtual particles, hence the dance of creation and destruction is the basis of the very existence of matter. *“Modern physics has thus revealed, that every sub-atomic particle not only performs an energy dance, but also is a pulsating process of creation and destruction.”*

(c) *“For the modern Physicists, then ‘Shiva’s dance’ is the dance of sub-atomic matter. As in Hindu mythology, it is a continual dance of creation and destruction involving the whole cosmos; the basis of all existence and of all natural phenomena. Hundreds of years ago, Indian artists created visual images of dancing Shivas in a beautiful series of bronzes. In our time, Physicists have used*

the most advanced technology to portray the patterns of the cosmic dance. The bubble chamber photographs of interacting particles, which bear testimony to the continual rhythm of creation and destruction in the universe are visual images of the dance of Shiva equalling those of the Indian artists in beauty and profound significance. The metaphor of the cosmic dance thus unifies ancient mythology, religious art, and modern physics. It is indeed, as Coomara Swamy has said, 'poetry', but none the less science."

14. River Ganga¹:- Our galaxy (Aakash Ganga) i.e. '**VIRAT PURUSHA**' is the physical manifestation of invisible Brahm (God). This galaxy holds the three lokas. The way the electromagnetic particles i.e. electron, proton and neutron are radiated from the galaxy and all the beings, draw life energy (Prana) from it, similarly it is believed, that the ganga water if used for drinking and bathing raises the energy level, therefore is good for health. Ganga water has one special quality, that it does not decay and can destroy the pollutants. This is how the qualities of Ganga water match nearly with Akash Ganga. Therefore '**Ganga**' has been accepted as the symbol of '**Akash Ganga**'.

15. Cow² (GO):- The way the earth nourishes all beings by producing the food grains, fruits, vegetables, grass, trees, herbs and water etc., similarly the cow nourishes the human beings from her milk and milk products. Her dung is used as a natural fertilizer without any side effects. Her urine is used for medicines, therefore cow is very useful animal for the human beings. The biggest quality of the earth is forgiveness. Out of all animals, the cow is a very simple one. Hence cow has been accepted as the symbol of "**mother earth**".

16. Sungod:- Sungod emitting dazzling light is the symbol of knowledge. The knowledge teaches us the value of discipline in life. This is why sungod is the family god of lord Sri Rama and lord Rama is known as the descendent of sungod, meaning thereby that the family is full of knowledge and follower of disciplined life. Thus lord Rama is known as the pioneer in following strictly the disciplines as per the social and religious norms.

¹ Brief description about this symbol is given in Session no. 1.

² Brief description about this symbol is given in Session no. 1 and detailed discussion is given in an essay "**Cow**" –the symbol of mother earth, in part III of the book.

Since sun god travels over twelve constellations¹ (Rashis:-Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Scorpio, Sagittarius, Capricorn, Aquarius, Pisces) which are known as his twelve aspects (kalas). This is why lord Rama is considered as the incarnation of Vishnu having twelve aspects.

The entire solar family is energized from the solar energy. The food grains, fruits, vegetables, plants, trees, herbs etc. are produced from this energy and thus all beings get their food. Sun is the creator or *Brahma* of our solar family and *He* functions as the intellect of '*VIRAT PURUSHA*'. So the sun controls the intellect of all human beings living on earth.

17. Moongod:- As the moon attracts the sea waters, so the tidal waves strike on full and no moon days. Similarly human body contains 80% liquid, hence human mind is effected by the lunar force. Since the moon is the thinking mind of *Brahm* (God), therefore moon controls the thinking mind of all human beings on earth. The moon is the symbol of coolness i.e. peace. Peace promotes love. This is why moongod is the family god of lord Krishna and lord Krishna is known as the descendent of the moongod, meaning thereby that the person is full with love (attraction). During the period from 1st day to full moon day, the moon exhibits sixteen aspects, that is why lord Krishna has been accepted as the incarnation of Vishnu having sixteen aspects.

Scriptures say, that the nectar rains on the full moon night of the month of Kartik (October-November), which energises the medicines and herbs. This day is known as '*Sharad Poornima*' day.

18. Energy (Shakti) (fig. 5.12) and Force:- The force is capable of performing any activity by itself, whereas energy (shakti) performs work on being motivated by some force. There are two forces working in the macro (a) Electro magnetic Force and (b) Gravitational Force. Parallel to these forces in the micro also, there are two forces i.e. (A) Strong Force and (B) Weak Force. Mainly the energy² (shakti) is available in nine forms viz (1) Potential (2) Kinetic (3) Magnetic (4) Sound (5) Light (6) Nuclear

¹ The Sanskrit names of these constellations are (1) Maikh, (2) Vrakh (3) Mithun (4) Kark (5) Singh (6) Kanya (7) Tula (8) Vrishik (9) Dhanu (10) Makar (11) Kumbh and (12) Meen.

² Equivalent sanskrit names as given in '*Devi Kavach*' are reproduced in the same seriatum are :- (1) Adya Shakti (2) Skand Mata (3) Brahma Charini (4) Chandra Ghanta (5) Mahagauri (6) Katyayni (7) Sidhidhatri (8) Kushmanda and (9) Kal Ratri.

(7) Electrical (8) Chemical and (9) Thermal.

Since the force, the energy and the serpent make sign wave (~) while in motion, therefore the force and energy have been symbolised as the serpent.

19. Constellations (Rashis) (fig. 5.09) :- As per astronomy, the sun moves on twelve Rashis during the year. Rashis are the group of specific stars. By joining these stars, the forms which work out are shown at the inner side of the circle of fig. 5.09.

The forms shown on the outer circle indicate the tendencies of the particular group of stars, viz Singh Rashi (Leo) contains the tendency of domination, brutality, vigour,

strength, fearlessness, self-confidence and so on, whereas the person of Tula Rashi (Libra) has the strong liking for justice. So he tries to maintain a logical balance in his life style. The interpretations of science of astrology are not easy. *These can be said to be probabilities and not precise and sure.* The composite effect of all stars positioned in the horoscope when interpreted from the view of integrated whole can only be said as approximate. Since the Sun controls the human intellect and the moon controls thinking mind, therefore the interaction of sun and moon with Rashis has the very vital effect on human beings. This belief should be studied by the Science.

Constellation Cycle

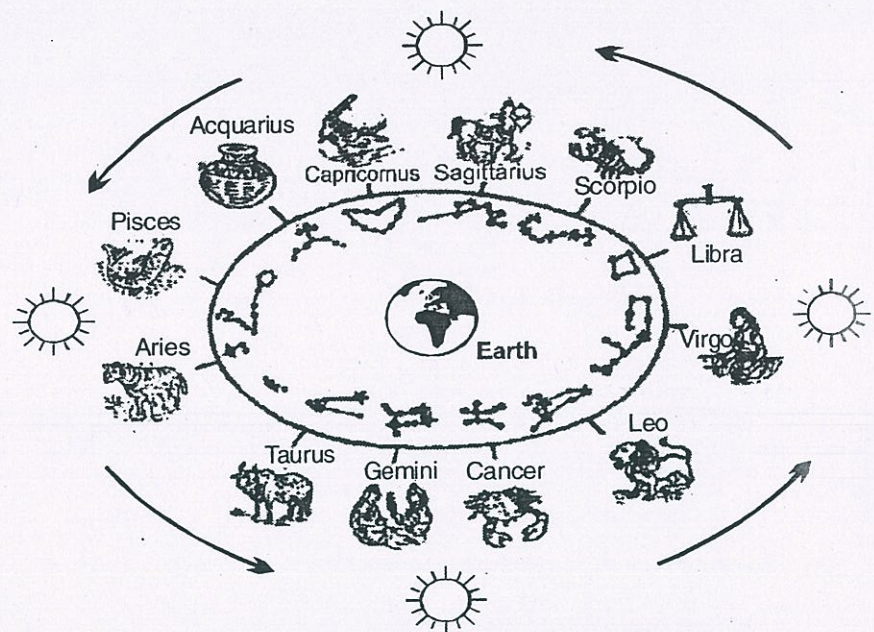


Fig. 5.09

20. Nakshhatra (stars):- Our galaxy contains hundred billion stars. Nakshhatras are those stars (suns), which fall on the pathway of the movement of the moon. Out of these Nakshhatras many stars are even

bigger than our sun. Modern science claims to have identified eighty eight Nakshhatras in both (north & south) hemispheres. Rishis have found that twenty seven Nakshhatras effect the human beings. There is one more Nakshhatra known as '*Abhijit*' which seldom appears. Lord Rama is said to have born under the influence of this Nakshhatra, whereas the birth of lord Krishna was under the influence of the Rohini Nakshhatra. The moon completes its one round of the earth in twenty seven days and seven hours , hence its orbit has been divided into twenty seven parts. During the movement of the moon, the Nakshhatra, which falls in line with it, influences the behaviour of the human beings. The way 11000 volts electricity is transmitted from the source of hydro electric power plant to the city, where it is converted to 220 volts through transformers and supplied to the houses, similarly main energy is radiated from the Nakshhatras, and is transmitted through the moon and planets to the human beings. In the science of astrology our sun has been categorized as a planet and total number of planets are nine. The sun is a self illumined star, whereas the moon and the planets receive light from the sun. The positioning of the moon and the planets is such, that due to their motion the seven colours (VIBGYOR) of the sun are broken and radiated on the human beings. *These colours produce such events which are essential for reaping the fruits of Karma performed by the human beings.* Even though the human being has freedom in performing the action, but the composite effect of our sun, the moon, nine planets, twenty eight Nakshhatras give birth to varieties of events and the law of Karma prevails. Sanskrit and English names of Nakshhatras¹ are listed below:

- (1) Ashwani (Arities) (2) Bharami (Mu Arities) (3) Kratika (Pliades)
- (4) Rohini (Aldebaran) (5) Mrigshira (Lamdaorion) (6) Ardra (Betelguese)
- (7) Punarvasu (Pollux) (8) Pukhya (D.Hydra) (9) Ashlekha (Getahydra)
- (10) Magha (Regulus) (11) Poorva Falguni (Theta Heouis) (12) Uttra Falguni (Denabola)
- (13) Hasta (Corvus) (14) Chitra (Spica) (15) Swanti (Arctaurus)
- (16) Vishakha (Libra) (17) Anuradha (D.Scorpil) (18) Jyestha (Antares)
- (19) Mool (Shaula) (20) Poorva Ashadha (L.Sagittarius) (21) Uttra Ashadha (Tosagittarices)
- (22) Abhijit () (23) Shravan (Altair) (24) Dhanistha (Ollphimi)
- (25) Shat bhisha (L. Aquarius) (26) Poorva bhadrapad (Markeb)
- (27) Uttra bhadrapad (Algenib) and (28) Revti (J. Piscium).

¹ The detail of Sanskrit and English names have been taken from P-117-118 of the book "Brahamand Aur Jyotish Rahasya" - by Shri Nand Lal Dashora, Udaipur (Rajasthan)

21. Planets:- (fig. 5.10): Nine planets (Mars, Mercury, Jupiter, Venus, Saturn, Sun, Moon, Rahu and Ketu) twelve constellations (Rashis) and twenty eight Nakshhatras (stars) together control the behaviour of the human beings i.e. they influence the thinking mind; intellect; sub-conscious and ego of all the human beings. These planets while in motion reflect colours in the sequence of VIBGYOR on earth. These colours produce varieties of events. The movement of these planets, Rashis and Nakshhatras is *controlled by some invisible force known as 'Kal chakra' (a cycle of Time)*. It keeps these bodies moving till the end of the cosmos. This is a repetitive cycle, which constantly moves on.

Planetary Cycle

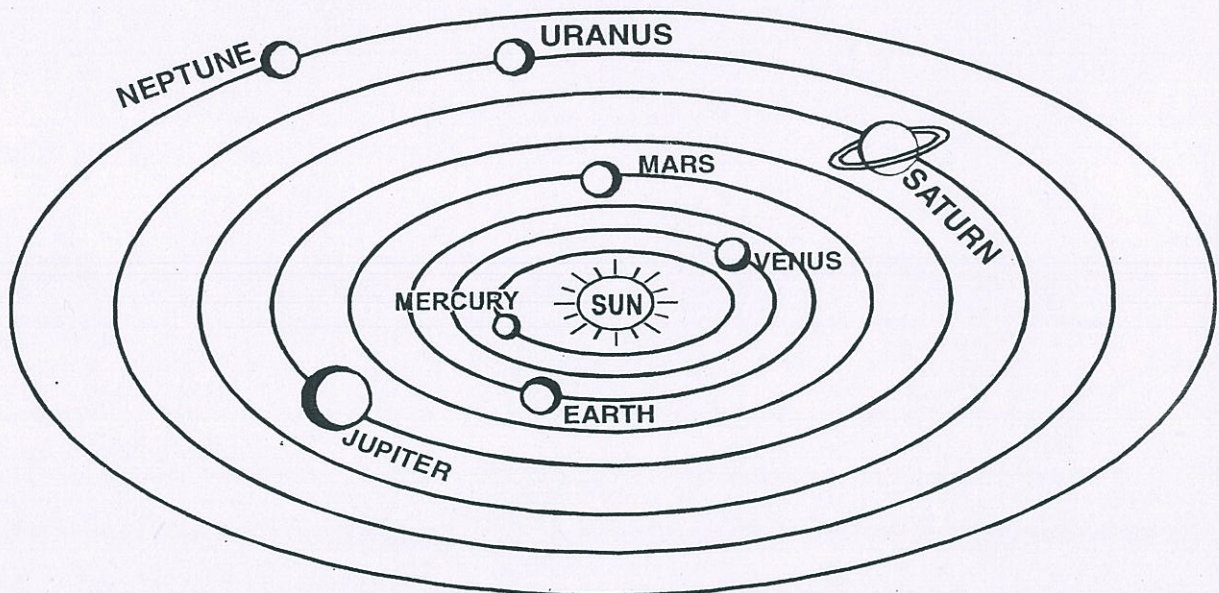


Fig. 5.10

Rahu and Ketu planets have no physical bodies and are called virtual planets. By careful observation of electro magnetic spectrum of the universe (fig. 4.05), it is evident, that the visible universe falls within the range of 10^{14} - 10^{15} frequency / second. The position above this has ultra violet light having the frequency of 10^{15} - 10^{16} per second, whereas the position below has the 'infra-Red' light of the frequency range 10^{14} - 10^{12} cycle / second. Visible light range means from which position all galaxies in the universe are visible to the human eyes. It appears, that the God has created the eyes of all human beings capable to see only within this frequency range. So we are

able to see very small part of total electromagnetic spectrum. Yet like the other planets, the ultra violet and Infra-Red colours are radiated by the spectrum on the earth, which influence the human minds. Therefore these have been named as virtual planets.

In this context a relevant puranik story, states, that after the churning of the ocean by demons and gods, the nectar was produced. To distribute nectar judiciously lord Vishnu in the guise of a beautiful woman (Möhini form) offered her services and started distributing the same. In the meantime a demon stealthily drank the nectar by entering the gods' line. The sun and the moon gods complained against this demon, therefore lord Vishnu from his armament the '*Chakra*' cut the demon at the neck in two parts. Since the nectar had already gone in his stomach, so he did not die. The part above the neck was named as Rahu and the bottom part as Ketu. On decoding the symbolic language, it appears that at the beginning of the creation, the range of the ultra-violet rays might have been larger, which naturally was very harmful for the living beings, so the God divided it into two parts (1) Ultra-violet and (2) Infra Red. This is how the bad effect on the living beings was minimized. To reduce the bad effect further, God created a layer of ozone in between, so that those ultra-violet rays are stopped by this layer and its damaging effect does not reach the earth. This is how these two colours have been named as virtual planets i.e. ultra violet = Rahu and Infra Red =Ketu. Since colours are electromagnetic waves and have definite frequencies, therefore they effect the human mind. *The above myth thus confirms, that the colours are responsible for varieties of happenings in the life of human beings.* The Rishis measured these effects precisely and to minimize the adverse effects reflected from these planets, they worked out devices e.g. Vratas (fastings), japa of mantra, alms giving and worshipping of icons of these planets. They also suggested to use the jewels of similar colours matching the frequency of the planet. By wearing jewels on fingers fixed on rings or through pendants, two objectives are served. Firstly they enhance the good effect of the planets and bring better results and success in life. Secondly they neutralise the bad effect of the particular planet when antidote colour jewel is used.

Following table¹ suggests the names of the jewels, which match the frequency of the particular planet.

| Name of Planet | Colour | Sequence of colours | Matching Jewel |
|----------------|---------------------|---------------------|----------------|
| 1 Sun | Red | R | Ruby |
| 2 Moon | Orange ² | O | Pearl |
| 3 Mars | Yellow ² | Y | Coral |
| 4 Mercury | Green | G | Emerald |
| 5 Jupiter | Blue ² | B | Moon stone |
| 6 Venus | Indigo | I | Diamond |
| 7 Saturn | Violet | V | Sapphire |
| 8 Rahu | Ultra-Violet | U.V. | Sardonyx |
| 9 Ketu | Infra-Red | I. R. | Cat's eye |

It appears that jewels help in focussing the colour reflected by the planets e.g. the jewel Panna (पन्ना) attracts green colour from the planet mercury and thus enhances the power of the planet. This very principle applies for all jewels.

¹ This table has been taken from Page 76 of the book- "The science of cosmic Ray therapy or Tele therapy"- by Dr. Benoytosh Bhattacharya. The author by checking through the prism has found the colour of Pukh Raj (Moon stone) as blue, pearl as orange and the colour of coral as yellow. Thus their colour sequence i.e. 'VIBGYOR', matches with sunlight. On seeing the said jewels from ordinary eyes, their colours are yellow, white and orange respectively. The author says, that this is the delusion of the mind and the verification through prism gives us the right concept. Author's version is given below:-

² The prism helps our eyes to adjust themselves in the dimensions in which the cosmic colours move in the outside world and radiate every creation. These seven coloured cosmic rays are the principal rays, which in a large measure, are responsible for creation, maintenance and destruction of the universe. By surrounding everyone, and every creation in the vast universe, they impart them with life, health, youth, old age and death and regulate all beginnings and ends. The human eye is so designed as '**NOT**' to receive any coloured rays, which are the real sub-strata behind this vast creation, what we see with our eyes is most delusive. These delusions in many instances can be corrected by prism. Just as a microscope reveals the presence of bacteria in different things, **even so** the prism reveals the existence of colours that are not visible to the ordinary eyes. Page 36 science of cosmic Ray therapy or Teletherapy by Dr. Benoytosh Bhattacharya, M.D. U.S.A.

Following table¹ indicates the names of jewels, which are stated to antidote the bad effects of the planets.

| S. No. | Name of the Planet having malefic effect | Name of jewel which antidotes the malefic ¹ effect of the planet |
|--------|--|---|
| 1. | Sun | Ruby |
| 2. | Moon | Cat's eye |
| 3. | Mars | Coral |
| 4. | Mercury | Topaz |
| 5. | Jupiter | Pearl |
| 6. | Venus | Diamond |
| 7. | Saturn | Sapphire |
| 8. | Rahu | Gomeda |
| 9. | Ketu | Emerald |

Some astrologers do not agree with the above idea. They believe, that the jewel, which is matching the frequency of the planet shall neutralize the adverse effect also. We are not aware as yet any scientific solution of this contradiction. The best way is that the person himself should experiment by wearing the jewel touching his body for few days and find out whether it suits him.

In Session no. IV the technique of Upasana of various gods has been discussed to overcome the adverse effects of the colours reflected by the planets

Few more Prateeks based on Tendency

22. Lokas:- Puranas describe about fourteen lokas. There are seven lokas in our galaxy as given below :-

(i) Bhu Loka: Our mother earth constantly revolves around the sun and on its own axis as well. This is the first loka known as Bhu loka.

¹ P-65 The science of cosmic Ray or Tele Therapy by Dr. Benoytosh Bhattacharya, M.D. (U.S.A.)

(ii) **Duyo Loka:** The moon and all the planets, comets, meteoroids etc. all are revolving around the sun and also on their own axis. These bodies receive light from the sun, this is why these have been termed as *Duyo loka*.

(iii) **Antrikshha (Horizon):** The space between the earth and the sky, where enormous light emitted by the billions of stars of galaxies is present. In this context, it is known as Antrikshha.

(iv) **Janah Loka (Brahma Loka):** Hundred billion stars (suns) including our sun revolve around the centre of the galaxy (Akash ganga). The outer two peripheral layers of stars (fig. 2.03) is known as Brahma loka, where saintly and pious jeevatmans come for enjoying fruits of their noble deeds and are reborn on the Bhu loka as per their remnant deeds.

(v) **Tapah Loka:** This is the abode of lord Vishnu called '*Vaikuntha*'. This loka is constituted of the proton group of stars¹. Those jeevatmans reside here, who have been granted liberation by the lord Vishnu and stay there till they are needed to re-in-state the laws of Dharm on Bhuloka.

(vi) **Mahar Loka:** This loka is known as Shiva Loka also. This abode of Lord Shiva is constituted of neutron group of stars. The neutron group of stars revolve on their axis. In this loka those jeevatmans reside, who have been granted salvation by lord Shiva. Such jeevatmans become free from the cycle of life and death.

(vii) **Sathya Loka:** This is the abode of unmanifest, subtlest omnipresent, omnipotent *Brahm*, who is completely motionless. Since Sathya (Truth) is the first and foremost law of Dharm, therefore His abode is known as '*Sathya Loka*'.

Assumption Since there are seven lokas in the macro, therefore there must be seven lokas inside the human body as well. These lokas are in the form of charkas (fig. no. 2.12). This assumption is based on the law "*As the microcosm, so the macrocosm*".

¹ The invisible force of lord Vishnu works behind the proton group of stars and regulates the fruits of actions performed by the human beings. The proton group of stars revolve on their axis.

The details of chakras are tabulated below :-

| S. No. | Name of the Chakra | Description | Situation |
|--------|--------------------|---|---|
| 1 | Mooladhar | Having 3½ turns known as kundalini. The form is similar to Akash ganga. It carries pre-birth record of karmas, and is constituted of gama (Tam), beta (Raj) and alpha (Sat) electro magnetic waves. | 1. Coccyx on the spinal cord. } |
| 2 | Swadhisthan | Excretory System | 2. In between solar plexus and coccyx |
| 3 | Manipur | Digestive System | 3. On Solar Plexus |
| 4 | Anahad | Respiratory system | 4. On the heart side |
| 5 | Vishuddhi | Circulatory System | 5. On the throat |
| 6 | Ajyan | Chitta | 6. On the cerebrum Behind the centre of the eye-brows |
| 7 | Sahasrasar | Thought System (Udan) | 7. Cortex (Meru Shikhar) |

The energy raining from the cosmos enters through cortex, flows up to Kundalini at coccyx via all chakras (see fig. 2.12). The chakras are in constant motion and they distribute this energy to all the organs of the body through sympathetic¹ and parasympathetic nerves. So long as the energy flow upto coccyx is unobstructed, the body remains in perfect health and the man is ever cheerful. In case due to some chronic disease, the energy flow at some chakra is chocked, then the kundalini does not receive full energy. Since the kundalini carries the total events of life known as *Prarabdha* (fate), therefore due to deficient energy its manifestation becomes weak. *To rise the tower of spirituality one has to know such finer details of perfect health, then only the practitioner can reach the state of Bliss.*

¹ Fig no. 1 - Sympathetic and parasympathetic nervous systyem in part III of the book may be referred.

According to Mundakopnishad¹, seven lokas are situated in the form of seven chakras on the human body. This is how, seven lokas plus seven chakras have been identified as fourteen lokas by the Rishis.

23. Sapta Rishi: (Great Bear Constellation):- (fig. 5.11) According to Brahdaranyokapnishad the seven stars (Rishis) of Great Bear represent the sense organs of Brahma (Brahdaranyokapnishad 2.2/3-4) whereas according to *Srimad Bhagwat Puran*, there are fourteen *manas putras* (tendencies) of lord Brahma and these seven Rishis of Great Bear are included there. It is also stated there, that these Rishis are born from the various sense organs of Brahma viz eyes, nose, ear, mouth, skin, mind intellect etc. (This is the language of symbols). On careful reading of both the scriptures together, it works out, that the '*Sapt Rishi*' constellation controls the seven senses and sense organs of Brahma. The large group of electron stars comprising of approximately hundred billion stars on the two outer circles of the galaxy have been termed as '*Brahmas*'. Since our sun also has been named as Brahma, therefore it will be appropriate to name this large group as '*Virat Brahma*' (Macro Brahma). Following table² indicates the names of seven Rishis and the related sense organs of '*VIRAT BRAHMA*'.

Table-I

| S. No. | Senses of Brahma | Name of Rishi (star) |
|--------|-------------------------------|----------------------|
| 1. | Eye (seeing) | Atri |
| 2. | Nose (smelling) | Vashistha |
| 3. | Ear (Hearing) | Pulastya |
| 4. | Mouth (Tasting) | Angira |
| 5. | Skin (Touching) | Bhragu |
| 6. | Thinking Mind (Emotions) | Marichi |
| 7. | Thumb (Intellect) (Analysing) | Dakshha |

¹ The seven lokas- In the beautiful metaphor maintaining the general spirit of poetry in the stanza, we must take the word, 'Loka' here to mean the sense centres in the intellect. It is known to scientific world that there are definite nerve centers controlling the sense organs (P-74 commentary by Swami Chinmaya Nanda on Mundakopnishad)-2.1.8

² Srimad Bhagwat Mahapuram, Vol I, fifteenth edition, publishers M/s. Geeta Press, Gorakh Pur, (U.P.) India (P-250-252).

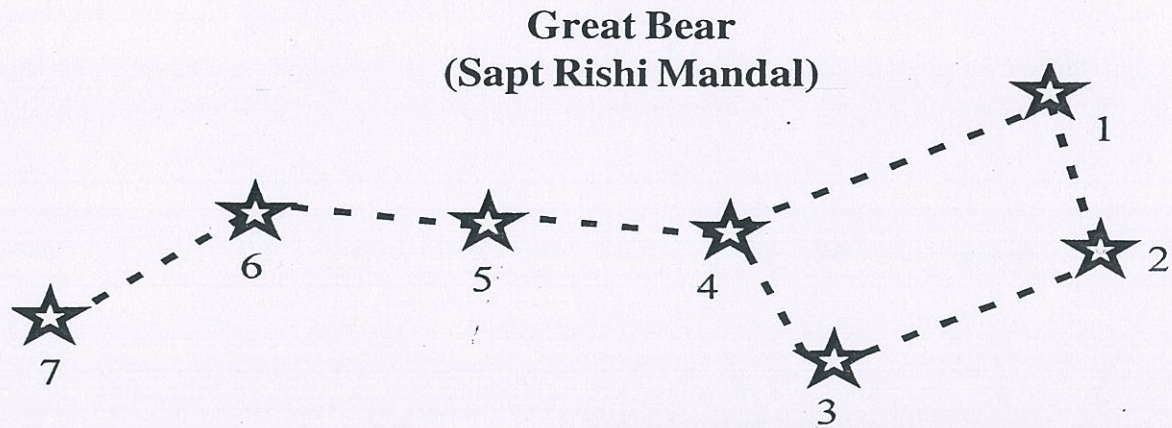


Fig. 5.11

The details of fourteen *manas putras* (tendencies) as given in Srimad Bhagwat Mahapuran born from the body and senses of Virat Brahma and related names of Rishi are tabulated in table - I and II.

Table-II

| S. No. | Position on the body of Virat Brahma and related tendency | Name of Rishi |
|--------|---|---------------|
| 8. | Hand (Action) | Kratu |
| 9. | Navel (Birth) | Pulah |
| 10. | Lap (Motion) | Narad |
| 11. | Vairagya (Detachment) | Sanak |
| 12. | Vairagya (Detachment) | Sanandan |
| 13. | Vairagya (Detachment) | Sanatan |
| 14. | Vairagya (Detachment) | Sanat Kumar |

Brahma¹ created four Vedas and Upvedas and the universe, whereas the entire knowledge has been compiled edited and recorded by Rishi Ved Vyas.

It is stated in Puranas, that Sri Narad frequently comes to Bhu loka (earth) and feels pity on seeing the sufferings of jeevatmans due to their evil deeds. He then reports these sufferings to three godforces viz Brahma, Vishnu and Shiva and seeks their advice to mitigate the sufferings. Muni Narad then tells the Rishis the techniques of removing sufferings of jeevatmans. This is how he keeps the jeevatmans of Bhu loka connected with the three lokas of Brahma, Vishnu and Shiva. If this statement is

¹ The details of creation of universe by Brahma are given in Session no. IV.

decoded in the modern terms, then it can be interpreted that Muni Narad is the symbol of Internet, who keeps the residents of '*Bhu loka*' connected *with the websites of three godforces and the knowledge available on these websites was downloaded by the Rishis as and when needed for public welfare.*

24. Bhuvan (Manu):- The Rishis have explored the life cycle of our solar family as well as of the milky way. The calculation of these starts from the smallest unit called Nimesh¹ and goes upto Manu² and finally upto Brahma Samvat³ . or Brahmayu. The details are :-

A. (i) Finer units of Time:-

| | |
|------------|---------------------------------------|
| 18 Nimesh | = 1 Kastha |
| 30 Kastha | = 1 Kala |
| 30 Kala | = 1 Muhurt = 2 Ghati |
| 30 Muhurt | = 1 Ahoratra (day + night) = 24 Hours |
| 24 minutes | = 1 Ghati ; 2.5 Ghati = 1 Hour |

(ii) Bigger units of Time:-

| | |
|------------------------------|-------------------------|
| 30 Ahoratra (one month) | = 1 pitra (day + night) |
| 15 declining moon nights | = 15 pitra days |
| 15 growing moon nights | = 15 pitra night |
| 12 pitra (days + nights) | = 1 gods' day |
| (360 days or one lunar year) | |

When sun remains in southern hemi-sphere it is known as Dakshhinayan or god's night. When sun remains in northern hemisphere it is known as uttrayan or gods' day.

Calculations⁴ based on the motion of moon and sun :-

The moon completes one round of the earth in 30 days.

The earth takes 12 months to complete one round of the sun.

¹ Nimesh= Time taken by a human eye to blink once.

² Manu= Time taken by our galaxy in completing one round of an invisible centre (dark matter).

³ Brahma Samvat= 31,10,40 x 10⁹ solar years. Calculations are given on the following pages.

⁴ Calculations are based on the book "Brahamand Aur Jyotish Rahsaya" (P-184) by Shri Nandlal Darshora, Udaipur (Rajasthan) India.

Therefore:

$12 \times 30 = 360$ human days = 1 human year = one gods' day

360 gods' days = 360 human years = 1 gods' year

Sun completes one round of Rashis in 12 months.

Thus 12×360 gods' years = 1 gods' yuga.

When Sun completes 1000 rounds of Rashis

then $1000 \times 12 \times 360 =$ Mahayuga or Four Yugas
 $= 43,20,000$ human years

1 Mahayuga = Sathya Yuga+ Treta Yuga+ Dwapar Yuga + Kali Yuga

1000 Maha yuga = $1000 \times 43,20,000$ human years

$= 4.32 \times 10^9$ human years

= 1 Kalpa (full life of solar family)

= 1 day VIRAAAT BRAHMA

= 14 Manu

1 Manu = one round of our galaxy around an unknown centre.

Our galaxy completes 14 rounds (Manu) of an unknown centre during one Kalpa (4.32×10^9 human years).

(iii) Total age of collective Brahma:- The night (Rest period) of Brahma has also been assumed to be equal to one Kalpa.

Hence day + night of Brahma = $2 \times 4.32 \times 10^9$ Human years

1 month of Brahma = $30 \times 4.32 \times 10^9 \times 2$

$= 60 \times 4.32 \times 10^9$ Human years

One year of Brahma = $12 \times 60 \times 4.32 \times 10^9$ Human years

$= 31,10.40 \times 10^9$ Human years

100¹ years of Brahma = $100 \times 31,10,40 \times 10^9$ Human years

Age of collective Brahma = $31,10,40 \times 10^9$ Human years

Note : Collective Brahma:- This term indicates the collective Brahmas or all the stars (suns) of Brahma loka. Approximately one hundred billion.

B. As per the law “*As the microcosm, so the macrocosm,*” the Rishis like the age of the human beings i.e. 100 years have divided the age of Virat Brahma also in terms of days months and in one hundred years. Since one kalpa is equal to one day of Viraat Brahma. hence one month i.e. thirty¹ days or thirty ‘Kalpas’ have been named as tabulated below :-

- | | | | |
|--------------------|-----------------|-------------|----------------|
| (1) Shwait Vaaraah | (2) Neela Lohit | (3) Vamdeo | (4) Rathantar |
| (5) Ravana | (6) Prana | (7) Vrahat | (8) Kandharbha |
| (9) Sathya | (10) Ishaan | (11) Vyaan | (12) Saarswat |
| (13) Udaan | (14) Garud | (15) Koorma | |

Above kalpas are known of growing moon nights, last kalpa is of full moon night. Later kalpas are of declining moon night. These are tabulated as under :-

- | | | | |
|----------------|-----------------|------------------|-------------|
| (1) Naar Singh | (2) Samaan | (3) Agneya | (4) Soma |
| (5) Manav | (6) Tat purusha | (7) Vaikunth | (8) Laxmi |
| (9) Savitri | (10) Ghoar | (11) Vaaraah | (12) Vairaj |
| (13) Gauri | (14) Maaheshwar | (15) Pitra Kalpa | |

Pitra kalpa is the day of no moon night. According to the Rishis by now six hundred months (50 years) of Virat Brahma have passed. The present one is first ‘*Swait Vaaraah Kalpa*’ of 601 months.

Since the figure of 12 month is repeated which makes a year. Hence these names of kalpas are repeated and this makes one hundred year of ‘*Viraat Brahma*’. This follows total destruction of entire galaxy. From the names of kalpas given above, it is evident that *these names indicate the specific tendency during the particular kalpa*, which are written in the language of symbols. These symbolic meanings need to be decoded.

C. Time calculation of the present day since the birth of the sun.

(Refer P-181 of “Brahmand Aur Jyotish Rahasya” by Shri Nand Lal Dashora, Udaipur, Rajasthan, India)

The period elapsed since when the nuclear fission started in our sun or when our sun was born = 1,97,29,49,093 Solar years.

This figure is on 4th April, 1992 hence

add for period till December 2007 = 15 years

upto date total = 1,97,29,49,108 Solar years

(X)

Less Period elapsed for creation of mother earth and planets etc.

= 1,70,64,000 Solar years. *carried over* (Y)

¹ The details of names of 30 days have been taken from P-185 of the book “Brahmand aur Jyotish Rahasya” by Shri Nand Lal Dashora, Udaipur, Rajasthan, India.

Hence net period since when the entire solar family came into being
= 1,95,58,85,093 Solar years. (Y)

Sequence of Creation:- (Refer Para 7 of Session no. IV of the book)

(a) Now the preparation started e.g. formation of ocean, rivers, mountains, useful & fertile lands, environment, amino acids and profuse oxygen etc. for life to thrive on earth.

(b) Species of unicellular and above were born gradually till the large size dinosaur were born and destroyed.

(c) Human beings were born, they slowly evolved to an intelligent class, who could do the research of Vedas.

The 'samkalpa shloka' is chanted before every worship. Its relevant meaning is given below:-

We are moving in the second half of Shwait Vaaraah' kalp, and Vaiwashwat Manu (7th cycle of our galaxy; where 1 Manu = 30,85,71,430 solar years) and twenty eighth cycle of 1st stage of kaliyuga.

Based on the above shloka the detailed calculations are given below:-

(1) Since the advent of Shwait Vaaraah Kalpa, time elapsed in 27 cycles of Mahayuga = 27 X 43,20,000

= 11,66,40,000 solar years

Add for 28th cycle of Mahayugas till date-

Sath yuga = 17,28,000

Treta yuga = 12,96,000

Dwapar yuga = 8,64,000 (+) 38,93,108

Kali yuga till date = 5,108

38,93,108

= 12,05,33,108 solar years (Z)

Conclusions:-

(i) The figure at X. above represents the time since elapsed when our sun was born. This is approximately half the life period of our sun. This statement matches with the recent statement of modern science.

(ii) The figure at Y. above represents the time period elapsed after the Shwait Vaaraah kalpa started.

(iii) The figure at Z. above represents when the creation of varieties of living beings including human beings started on mother earth.

D. Before the human beings are born several species are born and destroyed viz the science has found that 65 million years before Dinosaur were completely annihilated. This conclusion has been drawn from the study of fossils of Dinosaurs.

From the time period of Virat Brahma calculated above it also works out that our sun at the end of each night is born again and again and destroyed also. Accordingly the number of times, our sun should die and be reborn = $\frac{31,10,40 \times 10^9}{2 \times 4.32 \times 10^9}$

$$= 36,000^1 \text{ times}$$

E. **Forms of Manu:**- The way the moon revolves around the earth, the earth revolves around the sun, similarly the sun as well as the constellations revolve around the galaxy. On the basis of the revolutions of these bodies the life period of our galaxy has been worked out. It appears that our galaxy takes fourteen rounds in one kalpa of some invisible centre. One round by our galaxy has been termed as one *Manu*. This is why after every revolution new name has been given to the subsequent revolution viz Swayambhuva, Swarochis, Chakshhus and so on. The names of 14 Manus² are given below:

- | | | |
|-----------------|----------------------|---------------------|
| (1) Swayambhuva | (6) Chakshhus | (11) Dharm Saawarni |
| (2) Swarochis | (7) Vaivaswat | (12) Rudra Saawarni |
| (3) Uttam | (8) Saawarni | (13) Dev Saawarni |
| (4) Taamas | (9) Dakshha Saawarni | (14) Indra Saawarni |
| (5) Raivat | (10) Brahm Saawarni | |

$$14 \text{ Manu} = 1000 \times 43,20,000$$

$$1 \text{ Manu} = \frac{1000 \times 43,20,000}{14}$$

$$= 71\frac{3}{7} \times 43,20,000 \text{ human years}$$

$$= 30,85,71,430 \text{ human years}$$

Since the tendencies generated during each revolution of the galaxy are changing, hence the names of the Manus indicate the specific tendency. Few more examples are cited below, which indicate tendencies.

F. **Twelve Suns:**- Every month the sun moves to new Rashi (constellation). So there is a change in thoughts and behaviour of the

¹ P-185 of "*Brahmand Aur Jyotish Rahasya*" - by Shri Nandlal Dashora, Udaipur.

² P-186 of "*Brahmand aur jyotish Rahasya*" - by Shri Nand Lal Dashora, Udaipur.

human beings. Besides the change in tendencies, the sun also effects the human organs and the varieties of disease are caused, which we call seasonal ailment. To protect from these seasonal ailments number of techniques viz Yogaasan, fastings, alms giving, worship, japa and so on, have been advised. For worship, besides the meditation and japa the chanting of following twelve names of Sungod has been prescribed.

- | | | | |
|-----------|------------|-------------------|--------------|
| (1) Mitra | (4) Bhanu | (7) Hiranya Garbh | (10) Savita |
| (2) Ravi | (5) Khag | (8) Marichi | (11) Ark |
| (3) Surya | (6) Pushan | (9) Aditya | (12) Bhaskar |

It is beleived, that by performing japa of the above names of Sungod and concentrating on specific ailing organ, the disease caused due to the movement of Sungod can be relieved. Use of appropriate medicines is simultaneously essential.

G. Dawn of Kaliyuga¹:- When the Great Bear moves on **Magha (Regulus)** Nakshhatra, the period of kaliyuga begins, meaning thereby that the tendencies of human beings are more towards negativities and sinful acts. When the Great Bear moves to Poorvashadha (Sagittarius) constellation, then the tendencies towards criminality increase more and more.

H. Dawn of Sathyuga¹:- When the moon, the sun, and the Jupiter to-gether enter the first aspect of Pukhya (D. Hydra) Nakshhatra and meet at the same time, then Sathyayuga begins. As a result of this confluence, the human tendencies move towards righteousness.

The examples given above are meant to indicate that the Manu is not only the biggest unit of '**TIME**' but it also generates tendencies, which reach to all beings through stars (Nakshhatras). Accordingly the Indra (symbol of comforts, conveniences and luxuries enjoyed by the people) is also changed. *It means that during each period of Manu, the means of comforts, conveniences and luxuries are of different kinds, class and standards.* This results in creation of civilizations and destruction as well. To-day it is well known, that few thousands years ago, the civilizations of Mohanjodro, Harappa, Sumeria, Baby Lonia, Greece, Rome and Egypt were on climax, but now they are completely annihilated.

It appears that the civilizations rise and fall within some thousand years, therefore the humanity knows very little about the history. **Hence**

¹ Page 910 & 911 of Srimad Bhagwat Mahapuram, Vol -II fifteenth edition Vikram Samvat 2047 publishers M/s. Geeta Press Gorakhpur, U.P. (India).

to bestow inspiration, guidance and knowledge, the Rishis have composed two great epics viz Ramayana and Mahabharata, so that the human beings may seek solutions of their problems of daily lives in these universal codes of conduct.

The moral which can be drawn from these epics is that as and when the pride, greed and specially sexuality cross the limits, the humanity is destroyed. The abduction of goddess Sita by Ravana and making Dropdi naked indicate the extremes of sexuality in the socety of that times. This is the literary presentation of excess sensuality by the ancient scholars.

25. Wicked Tendencies:- Negativities e.g. sensuousness; Anger; greed; delusion; pride etc. have been pictured as demons. The pictorial forms of these negative tendencies are very frightful and cruel. Behind the principle of iconisation the object is to illustrate the qualities and the tendency of that particular entity. For the proper comprehension of the common man, the Puranikas have prepared a vast literature based on the principle of iconisation and compressed the qualities of that entity into it. Because of such literature, Vedic Dharm has survived by now.

26-27. Energy (shakti) and God (fig. 5.12):- To perform any work, energy is required e.g. to run an engine steam or electricity is needed. But to construct a proper and useful engine and run it efficiently, a force of intelligence is needed i.e. the knowledge, then only the engine can be manufactured, run efficiently and shall be useful also. However the knowledge comes from a conscious force only. This is why that conscious force has been named as '**GOD**' Ishwar or Conscious principle.

goddess Durga



Fig. 5.12

'GOD' Ishwar or Conscious principle.

The science accepts electro magnetic waves as the building block of the universe. The Rishis have named it as '*Ambe Maan*' (mother) and symbolized it in the form of a woman having eight hands with armaments and riding on a lion. But that force of knowledge is carried by lord Rama and lord Krishna, who remain behind Ambe Maan (Electro magnetic waves) and motivate her in creating, sustaining and destroying the universe efficiently. A single conscious force is known by several names, due to tendency based function performed in different situations viz *Brahm*, Maheswara, Vasudeo, Shankar, Shiva, Brahma-Indra and so on. This very idea has been depicted by Vedas as *Eko Devo, Sadvipra bahudha vadanti*- meaning thereby that the God is only one, but the scholars have called Him by several names.

All this knowledge is lost due to passage of '*TIME*'. This is why these explanations appear to be peculiar. The instruments invented by the modern science have increased our analyzing capacity to the great extent. *We have to demonstarte the world the tremendous knowledge inherent in Vedas through the prism of science, so that an universal and scientific religion is established for the welfare of the humanity at large.*

Vision of Totality: The Rishis conducted deep and careful studies in all fields of life for a very long time and then only great ideals were set for the benefit of all beings. A popular ideal set by the Rishis is "*Sarve Bhavantu Sukhinah =All beings be happy and prosperous*", but the people of Short vision unable to comprehend the totality, mock at these ideals. This has spread confusion in the society, which needs to be cleared through scientific understanding¹, so that the humanity is protected.

-Hari Om Tat Sat-

¹ **NOTE:-** Just on dividing page between Part I and Part II of the book, the ideas expressed *about the symbols* by Dr. Fritjof Capra, the author of '*The Tao of Physics*' are worthy of attention.