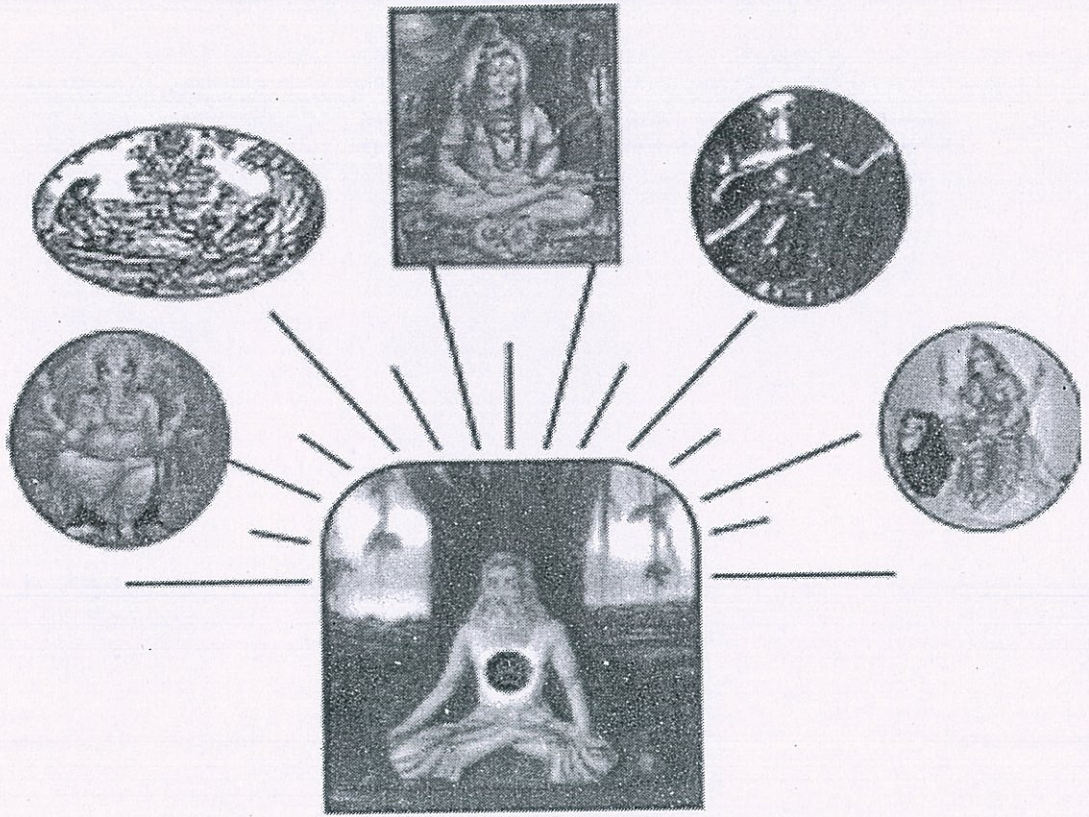


PART - II

Spiritual Science, Modern Science and Symbols



The essence of the ideas expressed by Dr. Frit Jof Capra, the author of the world renowned book "The Tao of Physics" is as follows :-

Just as it is almost impossible to express in words the truths experienced by the Yogis in Samadhi (Trance), similar situations are also met with by the physicists while explaining their researches through verbal models and theories.

Inspite of the best efforts to explain the quantum, field principle through some models, the explanation brought out are not complete and satisfactory, whereas such situations have sucessfully been dealt with by Vedic Rishis (Hindus) through god symbols, which is the best technique also. According to Anand Coomar Swamy this methodology is nearest to the truths

experienced in Samadhi. As an example, the Tandava dance of Lord Shiva and the principle of quantum field both are born out of human intuition and explain the same idea.

(Note : To know more about symbols kindly refer Paras

(a) 12 and 13 in session no. - V

(b) Essay :- The symbols - Commonly used in Puranas in Part - III

(c) Fig. No. 5.08 and foot note at page 21 of session no. VII

The detailed version is as follows :

Excerpts from pages 51, 52 & 56 of The Tao of Physics (3rd Edition) - by Dr. Fritjof Capra.

Indian mysticism and Hinduism in particular, clothes its statements in the form of myths using metaphors and symbols, poetic images, similies and allegories. Mythical language is much less restricted by logic and common sense. It is full of magic and paradoxical situations, rich in suggestive images and never precise, and can thus convey the way in which mystics experience reality much better than factual language. According to Ananda Coomaraswamy, myth embodies the nearest approach to absolute truth that can be stated in words.

The rich Indian imagination has created a vast number of gods goddesses, whose incarnations and exploits are the subject of fantastic tales, collected in epics of huge dimensions. The Hindu with deep insight knows that all these gods are creations of the mind, mythical images representing the many faces of reality. On the other hand, he or she also knows that they were not merely created to make the stories more attractive, but are essential vehicles to convey the doctrines of a philosophy rooted in mystical experience.

*Whenever the Eastern mystics express their knowledge in words - be it with the help of myths, symbols, poetic images or paradoxical statements - they are well aware of the limitations imposed by language and linear thinking. **Modern physics has come to take exactly the same attitude with regard to its verbal models and theories.** They too are only approximate and necessarily inaccurate. They are the counterparts of the eastern myths, symbols and poetic images and it is at this level that I shall draw the parallels. The same idea about matter is conveyed for example, to the Hindu by the cosmic dance of the god Shiva as to the physicist by certain aspects of quantum field theory. **Both the dancing god and the physical theory are creations of the mind : models to describe their author's intuition of reality.***

Eastern mysticism has developed several different ways of dealing with the paradoxical aspects of reality, whereas they are bypassed in Hinduism through the use of mythical language. Buddhism and Taoism tend to emphasize the paradoxes rather than conceal them....



SESSION I

THE CHARACTERISTICS OF VEDIC DHARM

Dharm is eternal. It exists in all the three periods of time. It is universal. Since it is based on Natural Laws, therefore it aims to benefit the entire humanity. This is, therefore, also known as '*Manav Dharm*'. Since laws of Nature can be better understood through Modern Science, hence in this book, *Dharm or 'Manava Dharm'* has been termed as '*Scientific Religion*' also¹. Due to passage of time, the original interpretation of these laws is lost and masses are confused, resulting into *blind faith and fanaticism*. This leads to degradation of moral values. Consequently in every walk of life and at all levels, corruption prevails, resulting in *increase of enormous sins and wicked souls. The crime rate shoots up, causing heavy unrest and violence in the society*. Thus humanity suffers. Therefore *to restore Dharm, to protect the righteous people and destroy the wicked, Almighty from time to time incarnates in human form e.g. Rama, Krishna, Buddha, Mahavira, Adi-shankaracharya, Isa, Mohammed, kabir, Nanak, Dayanand Saraswati and Vivekanand etc, who re-state the right interpretation of the laws of Nature and mitigate evils prevailing in the masses.* This fact is affirmed by Srimad Bhagwad Geeta also².

Evolution of 'Manav Dharm' took place in different parts of the world at different times and the factors influencing the evolution are :-
(a) Geographical conditions (b) Kind of food available in the region.
and (c) Calibre of the masses.

¹ The meaning of Religion in Oxford Dictionary given is "*the system of faith and worship*", whereas Dharm besides these two, incorporates philosophy (reasoning) also, therefore, it appears that there is no equivalent term for Dharm in English. However the term "**SCIENTIFIC RELIGION**" can be accepted as equivalent to '**Dharm**' or '**Manav Dharm**'.

² As and when the hold on Laws of Dharm is loosened in the society, and the unrighteousness prevails, then:-

To protect the noble, destroy the wicked and to re-establish Dharm, I (God) incarnate from time to time – *Srimad Bhagwad Geeta – 4/7-8.*

1.2/ The Vedic Dharm and Modern Science

The Manav Dharm first evolved in tropical regions and in totality with finest details in India. It appears, that in the initial stage of evolution, the Rishis (Scientists) discovered all multiple branches of material sciences e.g Physics, Astro-Physics, Astronomy, Chemistry, Biology, Bio-Physics, Anatomy, Physiology etc. Like modern people, the society used these sciences for earning enormous wealth, to enjoy maximum physical comforts and unrestricted sensual pleasures. *This led in increase of multifarious diseases, mental disorders and social disasters.*

The humanity thus suffered for generations, They cried with grief and agony and prayed for help. In the language of symbols, Sri Ram Charit manas¹ confirms this fact. Hence after long-long experimentation, Rishis decided to restrict the sensual pleasures, and create a disciplined society². They invented a technique of achieving permanent happiness i.e. 'Bliss' and designed the Bliss oriented society in place of Money- oriented one. *To ensure implementation of Natural laws; a sovereign body was created with a strong vigilance department.*

In the pursuit of *Bliss (Ananda)* they discovered the Laws of Creation, Sustenance and Destruction of the universe, the conscious forces working behind the Nature, forms of number of gods, myths, various methodologies of worships and techniques of yoga etc. Keeping the material sciences intact, these were interwoven into Arts & literature and were clothed in myths³. The composition of these myths was such, that it contained mystery, thrill, miracle and romance. These were further adorned with metaphors, symbols, poetic images, similies and allegories to make them attractive for masses⁴. In Vedic literature this voluminous composition is known as '*Puranas*'. To simplify further for common man, the Rishis developed traditions based on firm scientific grounds, which became very popular and are continuing from centuries till date. *Worldwide TERRORISM today is mainly due to misinterpretation of the myths, symbols and poetic images used in scriptures. The re-statement of right interpretation of the scriptures in light of the modern science is, therefore, the need of the day.*

¹ Sri Ram Charit manas - chapter no.- I verses between 183-186.

² The parameters of disciplined society are given in Session no. -III.

³ This fact shall be amply clear in Session V and in an essay "*Sathyam Shivam Sundram*" in part III of the book.

⁴ *Indian mysticism and Hinduism in particular clothes its statements in the form of myths using metaphors and symbols, poetic images, similies and allegories.*

- (P-51) The Tao of physics by Fritjof Capra, 3rd edition Publishers M/s. Flamingo.

Although frequent echo is heard in literary conferences, poetic seminars and art galleries, that the majority of Religious writings particularly the Vedic scriptures are based on the language of symbols, myths and poetic images, but in the absence of any authentic record on the subject and its methodology of creation, the same is not appreciated in the society. Moreover, the society has centuries old impressions (Samskars), therefore the present generation may not accept the detailed scientific explanations suggested in Session-V. Hence viewing the seriousness of the subject, the very first effort has been made to decode the Science of symbolism inherent in Vedic scriptures. It is hoped, that the people having open mind shall gladly accept the same.

1. Tendencies- The basic Principle of Creation of Symbols:-

As the National flag of a country represents the emotions of the people, similarly the *basic tendency* of a *person, material* and *conscious godforce* is represented by the *Symbol* (prateek).

1(a) Examples of Human Beings :- There are infinite number of beings in the universe and Almighty has created infinite *tendencies* also e.g. someone is noble, the other wicked, third is loyal to his country and the next is treacherous. Some one is physically strong and the other is scholar, third is preacher, the next is greedy for power. Few prefer tomato and others brinjal, whereas some one likes milk and other is addicted to wine. In the zeal and enthusiasm to popularize Dharm, an elaborate exercise was done in the past by interweaving symbols into myths. But in the course of time, the basic object of this exercise got lost resulting in confusion, blind faith and fanaticism.

1(b) Examples of Materials and animals:- Similarly, some materials are bitter and others are sweet, saltish and sour. Some are blue, yellow or green. Some are used as medicine and others act as poison. Horse runs faster and dog is loyal to his master. Lion is brutal, whereas fox is cunning.

1(c) Examples of Unmanifest conscious godforces as visualized in Vedic scriptures :- The tendency of Brahma is to create, and of 'Vishnu' to sustain, He is giver of fruits of Karma (Deeds), whereas 'Shiva' is the controller of all the three functions i.e. creation, sustenance and destruction. He is the giver of salvation (Mokshha). The deity Indra controls the gods, e.g. rain, air, fire, sun etc, who create, sustain and do destruction as well. At the same time, he is the Lord of sensual pleasures,

because he enjoys them with restraint. Since the energy (Shakti) is the basis of creation, therefore Durga is known as the mother of universe.

Almighty has created the entire universe including the human beings with name and form on the basis of *tendencies*¹. Rishis (scientists), based on the tendencies, have computed such eighty four lakhs of yonis² (It appears that yoni means colours, therefore, the computation is limited upto the visible world only). Keeping in view, the tendencies as the basis, the Indian scholars in light of material sciences have *personified unmanifest God and its tributary forces with names and forms*. Thus not only the forms of gods, but their weapons, carriages, clothings and ornaments etc were also designed. This was certainly the special skill and the great art invented by the Rishis.

2. To work out a symbol (prateek or form), a similar portrait, sketch or icon (moorti) is formulated of the person, material or conscious subtle godforce, so that **tendency** of the person, material or godforce is represented by it in totality. As an example the portrait or idol of any person, (even though is not wholly he/she), is made to represent the inner expression of that being to the maximum. The Rishis have worked out the Symbolisation from two aspects i.e. (i) From micro to macro and (ii) From macro to micro. Few examples are given below:-

2(a) Examples of Prateek (symbol) which are converted from micro to macro:-

(i) **Model:-** A model of any building is not the building itself, but it very nearly represents the draft (prateek) of the future premises to be built.

(ii) **Movie Film:-** The movie film incorporates the dialogues, music and dance etc in micro form, which when projected on the screen can be very well enjoyed.

(iii) **Signs:-** The language is formed from alphabets a.b.c.d.e.f etc due to which the formless ideas rising in the mind are expressed. In

¹ God created all beings on the basis of tendencies, has been detailed Scientifically in Session No. IV.

² The total activities of all human beings are recorded in the sub-conscious mind in the form of memories. At the time of death, this memory file is converted into an electronic brief known as tendency (frequency). This tendency (frequency) becomes the basis of the kind of yoni (specie) for the next life. This is detailed in Session-II of the book.

sciences like physics, chemistry, and mathematics, the symbols, a, b, c, x, y, z, α , \hat{a} , \tilde{a} etc are used to solve even the critical problems.

2(b) Examples of symbols/ prateek forms, which are converted from macro to micro:-

(i) Akash Ganga¹ (our galaxy):-
Charged particles of energy² are constantly falling from our galaxy on mother earth in continuous stream, *which are life giving to all beings.* One lakh light year long galaxy (milky way) stretched throughout the length of the sky is constituted of billions of shining stars. This can be viewed very easily in a dark night. The puranikas (authors of puranas) have chosen the holy ganga as the symbol of Akash Ganga.

Henceforth the tale of incarnation of holy ganga on the earth was written to convey the message, *that the Akash Ganga is the source of energy*

***Incarnation of Ganga
(Symbolic Illustration)***

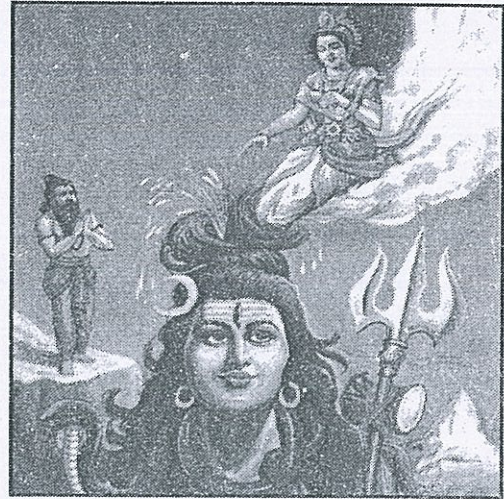


Fig. 1.01

***Incarnation of Ganga
(Scientific Illustration)***

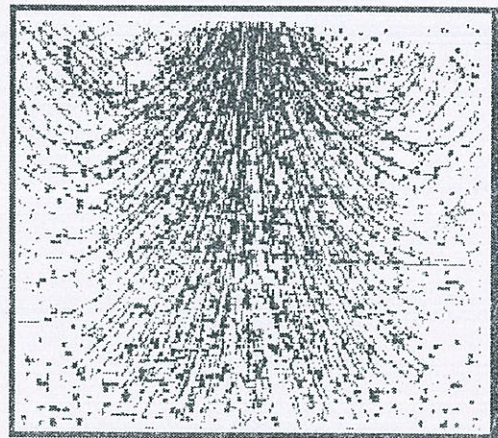


Fig. 1.02

¹ Following version is from Shiva Puran– P – 100 – 101, the thirteenth edition, Vikram samvat 2057 – Publishers M/s. Geeta Press, Gorakhpur, U.P (India) :-
“He is Sada Shiva – an ultimate god, ishwara (administrator of cosmos) also known as Shiva, Shambhu & Maheshwara. **He holds the milky way on his forehead.**”

² When these highly energetic ‘Cosmic rays’ hit the atmosphere of the earth, they collide with the nuclei of the atmosphere’s air molecules and produce a great variety of secondary particles, which either decay or undergo further collisions, thus creating more particles, which collide and decay again, and so on, until the last of them reach the Earth. In this way, a single proton plunging into the Earth’s atmosphere can give rise to a whole cascade of events in which its original kinetic energy is transformed into a shower of various particles and is gradually absorbed as they penetrate the air undergoing multiple collisions. The same phenomenon that can be observed in the collision experiments of high-energy physics thus occurs naturally, but more intensely all the time in the Earth’s atmosphere; a continual flow of energy going through a great variety of particle patterns in a rhythmic dance of creation and destruction. A magnificent picture of this energy dance, which was taken by accident, when an unexpected cosmic ray hit a bubble chamber at the European research Centre (CERN) during an experiment.

The Tao of Physics, P. 261-262, 3rd Edition, publishers M/s. Falmingo (Refer fig. 1.02).

(prana) for all Beings on earth. The term energy is denoted in Sanskrit by 'prana', in Chinese by 'chi' and in Japanese by 'ki'. (Refer fig. 1.01 and 1.02)

(ii) **Cow-** The mother earth sustains all beings by producing several kind of cereals, fruits, vegetables & water etc. Parallel to this, the cow feeds the human beings with her milk and milk products. The cow dung and her urine is used for manure and medicines . The calves are used for cultivation. The cow is a noble animal like the mother earth, therefore, the puranikas chose the cow¹ as the symbol for mother earth. In *Ram Charit Manas*² it is stated that :-

Cow-Symbol of Mother Earth

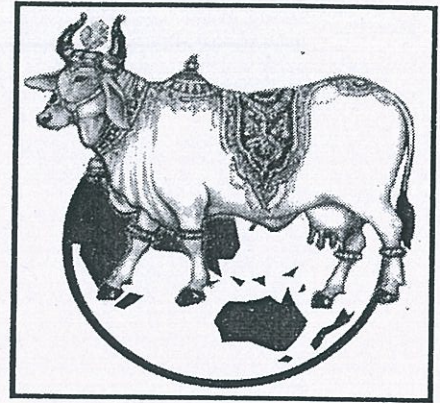


Fig. 1.03

The mother earth terrified from the demon Ravana decided to seek refuge among saints and gods and approached them in the guise of a cow.

(This confirms, that *cow is the symbol of mother earth*). (Refer fig. 1.03)

Parallelism between Atom and Galaxy-based on the Law “AS THE MICROCOSM³, SO THE MACROCOSM”:- As the electrons go round the nucleus with high velocity, similarly billions of stars constantly revolve around the central column of the milkyway. As electrons take part in any chemical reaction to form a new material, similarly the conscious unmanifest godforce *Brahma*⁴ remaining present behind the negatively (-) charged electron group of stars, performs the activity of creation. In the way the neutron and proton particles stay inside the nucleus in an atom and are respectively neutral (\pm) and positively (+)

¹ Detailed description of (1) “*Cow – the symbol of mother earth*” may be referred in an essay in Part III of the book.

² Sri Ram Charit Manas, Chapter I between the *verses 183-184*. Sri Ram Charit Manas is very popular Hindi scripture describing the life of Lord Rama. This scripture in poetry aims at inspiring Bhakti (devotion) in the hearts of masses.

³ For detailed analysis of this law, refer fig nos. 2.03, 2.09 and no 2.11 in Session-II.

⁴ A simile has been stated in Kathopnishad that:- The physical body is the chariot of ‘spirit’ and ‘spirit’ is the Lord, similarly different group of stars (lokas) can be considered as carriers of unmanifest deities / godforces e.g. Brahma, Vishnu and Shiva etc.-Kath-1/3/3.

'charged, similarly the central column of the galaxy is neutral (\pm) and is constituted of neutron cluster of stars. The colour of these stars is white. Adjacent to this exists a proton group of stars, which is very hot. The colour of this cluster of stars is blue. This group of stars is positively (+) charged and unmanifest conscious godforce *Vishnu* remaining present behind these stars performs the function of sustenance of the cosmos. *Vishnu* is the giver of fruits of actions and *liberation* (mukti) also. In the same way there exists a parallelism between the behaviour of the galaxy as well as the *human being*. (Refer fig. 1.05, 1.06 & 2.03).

The function of the creation and sustenance go side by side, whereas the function of annihilation by unmanifest *godforce Rudra*, present behind the *neutrino particles*, also goes on simultaneously right from the day the creation starts functioning. The puranikas have named *godforce Rudra* as MAHAKAL (the ultimate annihilator).

Process of designing personified symbols:-The object of designing the personified *deities/godforces* was to make the common man understand the deep import of the *upnishads*¹. The basis of symbolization was mainly the *tendency*, behaviour and the function performed by the specific *deity/godforce*.

Normally human beings prefer to extend love and affection to the beings of the same class i.e. another human being and the pets around him. In this way, he can fix up relationship of his choice viz Lord, Father, Mother, Brother, Sister and Son etc to inspire Bhakti (devotion) towards the Almighty. This reasoning perhaps motivated the scholars to use human form for deities and animals / birds as their mounts. The mounts selected were such, that their tendencies were complementary in performance of the functions assigned to the specific deity.

It appears, that the formation of symbols were decided in a joint seminar of *literarians, artists and scientists*. Besides this the scholars of *astrology, vastu, yoga* and almost all other disciplines of knowledge also joined and contributed their due shares to interweave the

¹ Following version is from Srimad Bhagwat Mahapuram, Volume – I, fifteenth edition, Vikram samvat 2047, publishers M/S Geeta Press, Gorakhpur(U.P) India.

(a) Ved Vyas said :- By writing Mahabharata, *I have simplified the deep import of Vedas, so that, all class of people will learn their duties.* (P-62)

(b) Sooty said :- Puranas and epics are classified as fifth veda. (P-61)

comprehensive meaning to each deity (symbol). While designing forms; deities have been assigned *specific colours* viz blue, white and yellow, etc. *which means specific frequencies*. In the fabric of designing icons, besides the colour, the *attributes of godly qualities* play a very important role. The Specific colours of their clothing, the weapons viz chakra, trishul, sword, etc and specific vehicles viz garud, bull, lion etc are the parts of comprehensive designing. The puranikas used these symbols while writing myths collected in puranas and in two great works of vast spiritual knowledge known as Ramayana and Mahabharata. The symbols have also extensively been used in *Astrology* and *Vastu* (technique to design the building on the basis of Natural Laws) as well as in *Reiki Science*. But in the course of time, the science behind these is tarnished, hence different scholars of different disciplines interpreted these symbols in different ways. A small group of people, who had their influence in schools and colleges advocated these *myths based on symbols as illogical and irrational*. This resulted in lots of *confusion and controversy in the society*.

Since there is no authentic record on '*Science of symbolism*' and the society has age old impressions, hence there is a need to explain these symbols to the present generation as described in detail in session no.- V. It is hoped, that the new generation having an open mind shall gladly welcome the same. In the following paragraphs few chief symbols have been described in brief:-

(iii) **Brahma**:- The negatively charged electron group of stars holds the unmanifest, conscious, creative personified godforce '*Brahma*'. *Lord Brahma* is the giver of material wealth.

(iv) **Vishnu**:- The positively charged proton group of stars holds the unmanifest conscious, sustaining personified godforce '*Vishnu*'. *Lord Vishnu* is the giver of fruits of Karma and liberation (Mukti).

(v) **Shiva**:- The central column made of neutron group of stars holds the unmanifest conscious personified godforce '*Shiva*'. *Lord Shiva* is the giver of *salvation* (Mokshha).

(vi) **Rudra**:- The neutrino particles present in all the three lokas hold the conscious annihilating personified godforce '*Rudra*'. *Lord Rudra* performs the work of annihilation of the entire creation.

(vii) **Sri Rama**:- The photon particles emitted from the stars hold the Almighty, conscious personified godforce Lord Rama, who is omnipotent, omnipresent and life force. Lord Rama is also the symbol of '*knowledge*'.

(viii) **Sri Krishna**:- The dark matter holds the Almighty, conscious personified godforce Lord Krishna, who is omnipotent, omnipresent and life force. Lord Krishna is also the symbol of '*Love*'.

(ix) **Durga**:- The terrific speed of galaxies generates tremendous amount of kinetic energy (shakti). The personified human form of this shakti is goddess *Durga*. The goddess Durga incorporates three forms of shakti (a) Sarswati, (b) Laxmi and (c) Kali.

Note:- *The brief Definitions given in connection with the symbols described at para 2(b) above appear to produce an impression as if – (i) electron stars are Brahma, (ii) Proton stars are Vishnu, (iii) Neutron stars are Shiva and so on. It is therefore once again clarified that the god forces i.e. Brahma, Vishnu and Shiva etc. are unmanifest forces and they function by remaining behind these stars. In the whole book this principle applies.*

Illusion from Symbols (prateeks):- In chemistry, the symbol 'K' represents the element potassium (Kalium), but in fact 'K' is not potassium itself. Similarly in course of time, the people got illusioned and started believing these idols of *Vishnu, Shiva, Durga* etc, as the actual deities, even though they are only symbols. The object of iconisation process was to evolve the sadhaka (practitioner) to experience the unity with God through proper practice of meditation.

Illusion from 'Varna'¹:- As per tradition, the society has to sustain *Brahmins* and provide them food, clothing and shelter. The food and clothing are particularly donated to *Brahamins*² on the occasion of festivals and on performance of specific rituals in the families. Although the scriptures specify, that '*Varna*' is based on the tendency, the quality

¹ Readers may kindly refer Para 9 of Session III for correct meaning of 'Varna' and illusion caused therefrom

² **Brahmin**:- Means the person, who guides the society on spirituality and allied subjects e.g. Astrology and Ayurveda etc.

and the work the person does, but in urban areas such '*Brahmins*' are not available, hence believing that any member of Brahmin family doing any kind of work is also Brahmin. Therefore, food and clothing, specially during the days of *Shraadh*¹ are donated to him.

Illusion from service to "Cow":- Based on their functions the *Rishis* (scientists) divided the human body in four parts (a) Mind (part above the neck) (b) Arms (c) Belly (d) Legs (part below the waist). The mind has been equated to *Brahmin* i.e. guide (b) Arms to '*Chhatriya*' i.e. protector, (c) belly to '*Vaisya*' i.e. nourisher of the society (d) legs as the '*service*' personnel. If the legs are not sufficiently strong, the man will not be able to discharge his duties efficiently and the defence system of the body will be badly derailed. Therefore, to *provide the financially weaker class, adequate food, clothing, shelter, education and respect is the prime duty of the society, specially that of the business class*. The way, the Sun distributes his energy and light to every body without any favour, the stomach after digesting distributes the food to the whole body according to the need and we maintain full affection with our legs, similarly it is our pious duty to nourish the service personnel maintaining love and brotherhood with them. As an example, if a person gets thorn pricked in his leg, his whole body simultaneously reacts. For extracting the thorn, hands, eyes and mind all rush up to relieve the person from agony. The mind, eyes and hands work till the thorn is extricated.

Similarly, it is the prime duty of every human being to sustain people of weaker section, including the service personnel considering the entire society as one unit. This is what "*The first meal to cow*" or "*service to cow*" exactly means.

In order to keep the society happy and prosperous the *Rishis* (scientists) made *it compulsory for every family to provide first meal to cow*. This tradition is still going on, but the people have forgotten the right interpretation of this symbolic language. *This teaching of the Rishis is far superior than any modern ideology of socialism and communism.*

In case the food lies undigested in the system for more than certain limit, it may cause a number of diseases viz diabetes, blood pressure,

¹ *Shraadh*:- It means worship performed during 15 days period around the month of September-October to pay respects to the ancestors.

heart disease etc. Similarly if the wealth and power remains stagnant with the limited number of people, this will cause unrest, resulting in thefts, decoity, murders etc. Therefore it should be used for the welfare of the society with a selfless motive.

Excess wealth makes the offsprings corrupt. Due to demoralized, corrupt and characterless offsprings the families start breaking. This is now-a-days commonly seen, because of money minded culture. Therefore, it is in the interest of all class of people, that they should lead the life of austerity as far as possible. To guard against corrupt practices and maintain the high moral¹ of the people, Rishis have laid down a tradition, that at the time of initiation each male member should wear '*Yagyopaveet*'. It consists of three threads, which is constantly kept round the neck to keep us reminding, that during one's life time each individual has to pay three kinds of debt (a) towards parents (b) towards society (c) towards Rishis. Lord Krishna in Srimad Bhagwad Geeta says², that:- *After god Brahma created the human beings, he taught them to perform 'DevYajna' (selfless service). He (god Brahma) stated, that by reciprocation, the society and the individual both will be benefitted. The person, who does not perform this Yajna (selfless duty), he is infact a waste in human form . Since 'Devyajna' has not been performed in the past, hence people are loosing faith in Vedic Dharm and are naturally attracted to religions.*

Wholesome Knowledge:- As and when the society lacks the knowledge of totality and specially when the guides of society start preaching the masses according to their own awareness, and personal motive, then the basic instinct of Dharm is lost. Consequently the people are deluded leading to blind faith, fanaticism and violence. *The basics of Laws of Nature, if taught right at school level, will change the generations and shall result in harmony, peace and brotherhood on the globe.*

1. Characteristics of Vedic Dharm:- Keeping this point in view, efforts have been made to explain Vedic Dharm, which encompasses the

¹ To maintain the high moral character in the society, an essay '*A System of Character Building - Gotra Vigyan*' may be referred in Part III of the book.

² Srimad Bhagwad Geeta :- 3/10, 3/11, 3/12, 3/13.

knowledge from the following areas:-

(a) **Spirituality (Adhyatmic):-** The Vedas, Upnishads, **Srimad Bhagwad, Geeta, 'Brahma-Sutra'** and Brahmanas, contain the vast spiritual knowledge. (Brahmanas are the commentaries on Vedas).

(b) **Mythology (Aadhidevic):-** This literature is a huge collection of myths imposed on scientifically designed deities. These are known as '*Puranas*'.

(c) **Material Sciences (Adhibhautic):-** This draws the knowledge from both sciences i.e. material as well as occult. Major part of this is lost in the course of time, whereas some part of material sciences has been interwoven in epics, hence not understood explicitly by the people.

Society consists of two classes :- (a) **Emotional Class:-** This class of people generally have a strong sense of faith. They can easily be led to emotions, blind faith & fanaticism. However, this attitude is helpful to them for realization of God through the path of devotion especially the women folk are more prone to it.

(b) **Reasoning Class:-** This type of people have a strong sense of reasoning. They only believe verified facts. For a healthy society, such type of attitude is essential. The battle between implicit faith and reasoning has been on since time immemorial. Vedic scriptures have categorically favoured reasoning class. *This is why Swami Vivekanand opined, that the universal Religion should be that, which can be tested on the touchstone of reasoning, so that the humanity does not suffer.*

In Vedic Dharm, the worship of God is permitted through both, (i) reasoning and (ii) faith.

2. Concept of God:-

2(i) Existence of God:- God does or does not exist is a question debated since ages. Out of several ancient preachers some accept the existence of God and others do not. In Jainism & Buddhism, there is no clear acceptance for God. However, they recognize the Laws of Nature viz Law of Karma, selfless service & truthfulness etc. There are six philosophies accepted in Vedic Dharm. Out of the propounders of these six, only three accepted the existence of God. In fact God exists and his existence alone makes the Nature carry out the functions of creation and

sustenance according to the specific laws. After a fixed period, god *Rudra* annihilates the Nature¹ and the cycle starts again.

2(ii) Basis of Existence of God:- In the universe billions of galaxies exist and they all are running at an average speed of 20,000 miles per second. Infact the whole universe is in constant motion. The particles, atoms, molecules, earths, planets, stars, constellations are all performing selfless duty under the assigned plan. They are motivated by some force. It is surprising to note, that even though the planets, stars, moons, suns, comets and galaxies have terrific speed, yet there occurs neither any mismanagement on account of infinite time nor any collision/destruction except under the planned conditions. Not only the galaxies are created and annihilated, but also the particles, atoms, molecules, planets, stars, all are created and destroyed. This is an ongoing play. Modern Quantum Physics² is accepting these facts, which Rishis (Scientists) have already stated in Vedas. According to Indian Philosophers, the life of our milky way is $31,10,40 \times 10^9$ Solar years. This life cycle is repetitive. Every galaxy has its fixed life span. *Hence, there has to be definitely a life force, behind the screen, who is All-Intelligent, Almighty and directs the drama of the universe.* This proves the existence of Almighty God. Vedic Philosophers uphold this very view and this is why they discussed about him in many ways.

2(iii) Scriptures views:-

(a) In Isavasyopnishad³, it is stated that:-

There is nothing in this universe, which is without Him (God), i.e. God is omnipresent. (From him alone, the intelligence, the mind, the sense organs and physical bodies of all beings are born).

¹ Thus the void of the Eastern mystics can easily be compared to the quantum field of sub-atomic physics. Like the quantum field, it gives birth to an infinite variety of forms, which it sustains and eventually reabsorbs. As chhandogya upnishad says –

Tranquil, let one worship it.	(सर्वं खल्विदं ब्रह्म तज्जलनिति शान्त उपासीत)
As that from which he came forth.	(अथ खलु ऋतुमयः पुरुषो यथा क्रतुरस्मिलोके)
As that into which he will be dissolved.	(पुरुषो भवति तथेतः प्रेत्य भवति प्रेत्य भवति)
As that in which he breathes.	(स क्रतुं कुर्वीत) (छन्दोग्योपनिषद 3/14.1)

(page 234-235, Tao of Physics, 3rd edition, Publisher M/s Flamingo).

² Einstein spent the last years of his life searching for such a unified field.

The 'Brahman' of the Hindus, can be seen, perhaps, as the ultimate unified field from which spring not only the phenomena studied in physics, but all other phenomena as well. (page 234), The Tao of Physics, 3rd edition, Publisher M/s Flamingo).

³ Isavasyopnishad – 1/1.

(b) Srimad Bhagwad Geeta states:-

(i) It neither can be affirmed nor denied whether God exists¹.

(ii) Even then remaining behind the screen He performs all the activities², because He pervades every entity of the universe.

(iii) Though He does not possess sense organs, but knows about them and enjoys their qualities³.

(iv) He being extremely subtle can not be identified from human senses. He is omnipresent. He resides in all beings. He is extremely near and extremely far⁴.

(c) Sri Ram Charit Manas, affirms the above statements⁵.

Albert Einstein, when questioned at the age of twenty seven, whether God exists? He replied, why should we bother about God, because every activity is efficiently performed by the Nature alone. But the same question was repeated to him, when he was at death bed, the reply was – ‘yes’, the God is there. Had he not been there, I would not have been dying. God regulates this universe with the ‘*Law of Death*’. *In fact repetitive destruction of Nature after creation is a sure evidence of the existence of God, Einstein said.*

Omni Presence of God



Fig. 1.04

The human being is the most intelligent being on earth and he can perform many great activities. But inspite of the best planning, best efforts and best technology used, man sometimes does not succeed in his goal. This proves, that behind the screen, there is some Almighty power, who controls every thing and is far superior than the human being. He is the

¹ Srimad Bhagwad Geeta :- verse 13/12.

² Srimad Bhagwad Geeta :- verse 13/13.

³ Srimad Bhagwad Geeta :- verse 13/14.

⁴ Srimad Bhagwad Geeta :- verse 13/15.

⁵ Sri Ram Charit Manas :- Chapter No. 1, verse between 117-118.

'**GOD**'. Sri Ram Charit Manas¹ confirms this fact as under:-

'Profit , loss, birth, death, fame and defame, all these are controlled by the God .

2(iv) God -A Great Time Force And ultimate Annihilator:-There is a story describing an event in purana, as to how the God controls the universe in the form of "**TIME**" –

The saint Vashisth once asked Laxman to shoot an arrow so as to pierce four trees at a time when he (Vashisth) issues command. Same was done. It was noticed after shooting, that the first tree converted into gold, second into silver, third into copper and fourth into iron. Guru Vashisth explained to Laxman, that the first moment was extremely forceful than the following ones. This is why the conversion has also taken place according to the diminishing force of the '**godly – Time**'. Hence the God, who regulates the universe, also acts as the great '**TIME**'. Because this is how the 'Time' controls the results of the noble and evil acts of the human beings. He bestows life and death, profit and loss, fame and defame and so on. He remains behind the screen and regulates the drama of the cosmos. Some ultra modern people mock at these things. They do not realize, that Almighty is residing in each particle and everywhere and controls every event under a fixed law. The law governing the universe is known as '**law of karma**'. According to Vedic scriptures **Kaal** (death) is also the name of the deity '**Yama**'. He regulates the death of all beings, but at the end of the **Kalpa** he too dies. This is why Almighty God is known as **MahaKaal** (Greatest time force). Sri Ram Charit Manas² states, that Lord Rama can annihilate the entire universe by a single frown.

2(v) God -A Fabric of Cosmos :- God may be considered as a huge fabric spread over the entire cosmos over which three kinds of Sat(+), Raj(-) and Tam(±) particles are playing a huge film of events from time immemorial and shall continue for infinite period of time. God directs the play behind the screen, but keeps himself unattached from the events of this film. Infinite number of souls are taking part in the drama and experiencing pains and pleasures. However only few of them enjoy the same by remaining neutral.

An effort has been made to explain '**The God – A fabric of Cosmos**' through Fig. 1.05. Whole universe is created i.e. becomes

¹ Sri Ram Charit Manas :- Verse 171 chapter-II.

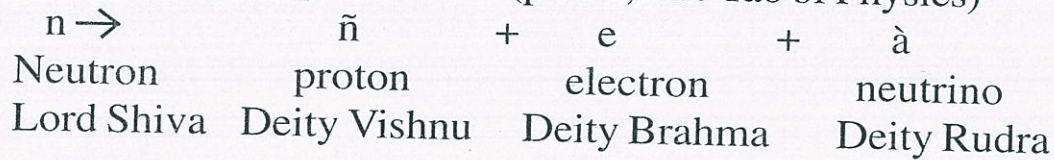
² Sri Ram Charit Manas :- Verse between 27-28 chapter-III.

visible and sustained by these three kinds of electromagnetic (α , \hat{a} , \tilde{a}) waves born from the Almighty. The neutrino particles are responsible for destruction. This function of annihilation starts right from the day, the creation comes into existence. At the time of '*Pralaya*' (time of total destruction) the function of creation of a specific galaxy is withheld for a fixed period and then there prevails complete darkness., meaning thereby, that the magnetic field reaches to the maximum and light becomes invisible. At that time the entire Nature merges back to the gamma rays.

A careful reading through the following paragraphs will reveal parallelism between the description of the creation given in the language of symbols in '*Shiv Purana*'¹ and modern electromagnetic spectrum given at fig. no. 4.05 in Session no. IV.

Originally there was only invisible God (Cosmic Rays) in a complete dark sky. Thereafter, *Lord Maheshwara* (Gamma Rays) emerged from the Almighty God. *Lord Maheshwara* produced *Shakti* (Electromagnetic Energy) and *Lord Shiva* (Neutron group of Stars) from Himself. *Lord Shiva* (Neutron group of Stars) got divided into Proton group of stars (+) (*Deity Vishnu*), electron group of stars (-) (*Deity Brahma*) and neutrino (\pm) (*Deity Rudra*). The deities *Vishnu and Brahma* were assigned the function of creation of the world of matter and sustain the same, whereas deity *Rudra* was assigned the function of destruction. [The terminologies of modern science showing similarities are given simultaneously in the brackets.]

Following equation of physics also corroborates the above idea of creation given by the puranikas :- (p-250; The Tao of Physics)



According to modern science, electron, proton and neutrons behave as particles as well as waves. The Rishis have used the terms '*Sat*', '*Raj*' and '*Tam*'. These terms denote the qualities/behaviour and function of unmanifest conscious godforces (deities) working behind these particles. These deities function within the visible range of electromagnetic frequencies i.e. 10^{14} to 10^{15} cycles/second.

¹ Shiv Purana Page 99, 103 & 104 13th edition, Vikram Samvat 2057, Pulishers M/s. Geeta Press Gorakh Pur, U.P. (India).

Creation, Sustenance and Annihilation of Universe - A hypothesis

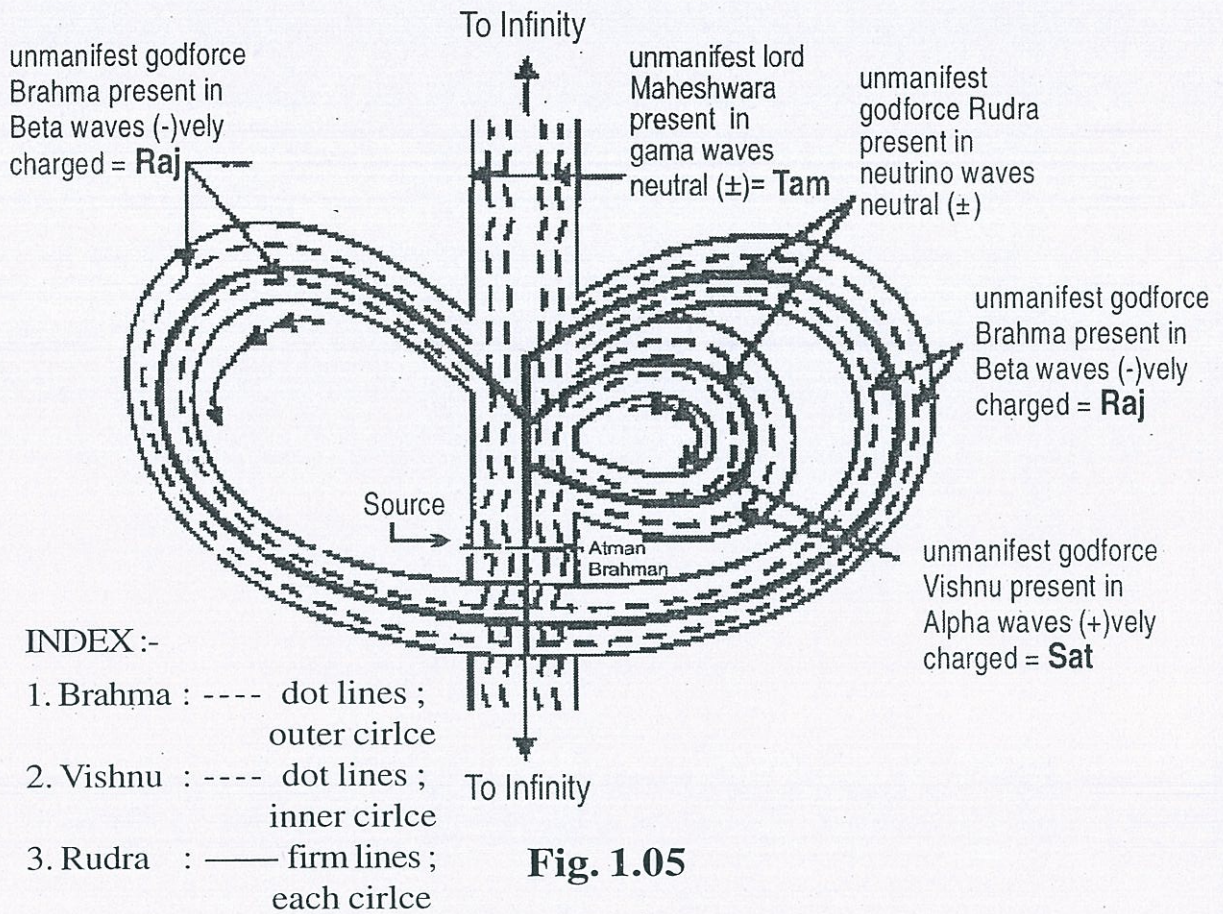


Fig. 1.05

Vedic terminology has been expressed in terms of modern science as under:-

Sat = This term denotes the quality/behaviour and function of the deity working behind the (+)vely charged proton groups of srars.

Raj = This term denotes the quality/behaviour and function of the deity working behind the (-)vely charged electron group of stars.

Tam = This term denotes quality/behaviour and function of the deity working behind the neutron (\pm) group of stars.

By permutation and combination of the above three gunas(qualities) , the entire creation comes into existence.This is also known as **Tigunmayee Maya**.

2(vi) God - As our Galaxy – In accordance with the modern picture of our milky way, it appears that the puranikas¹ have assumed central column of our milky way formed of neutron group of stars as

¹ For detailed description of Atman, Jeevatman & Parmatman, fig no. 2.03 in Session-II of the book may be referred.

'*Shiv Loka*'. Next to this column is a ring of proton group of stars. This is named by them as '*Vaikunthloka*', whereas the next two rings consisting of electron group of stars has been named as '*Brahmloka*'. The '*Rudra godforce*' remaining present in all the three lokas performs the function of annihilation. Thus the assumption made by puranikas matches the modern picture of the galaxy. Efforts have been made to exhibit these details at Fig. 1.05, 1.06 & 2.03.

Our Galaxy

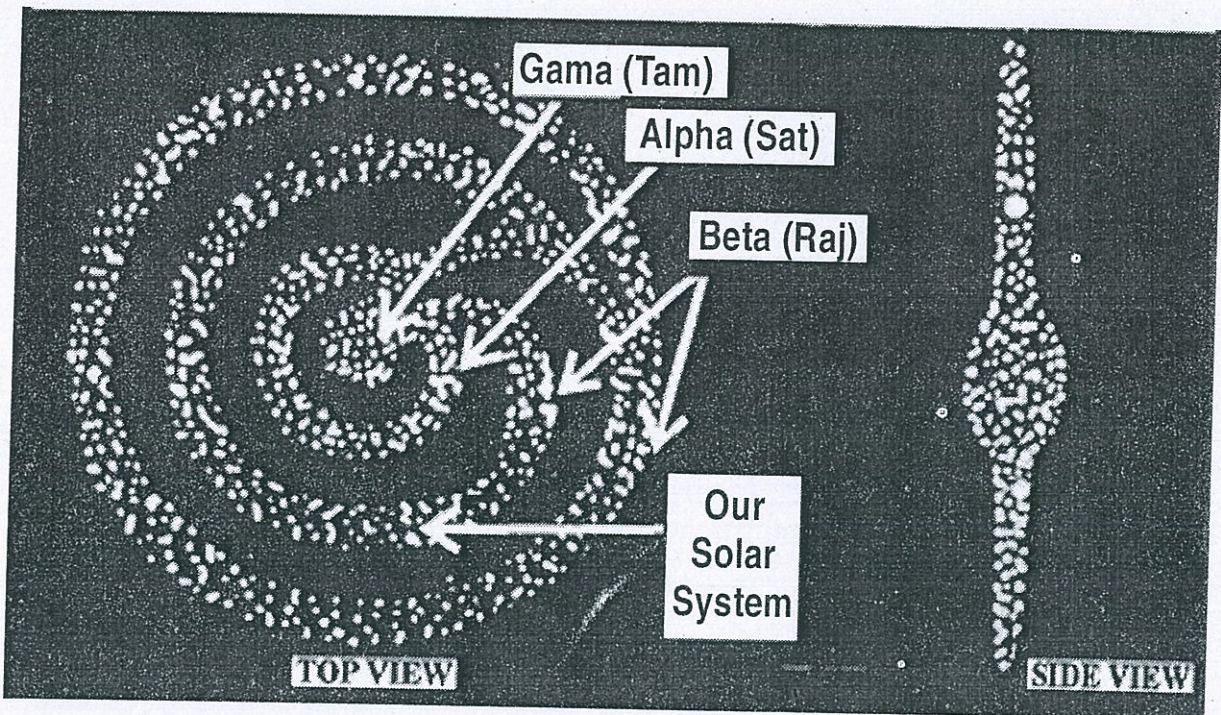


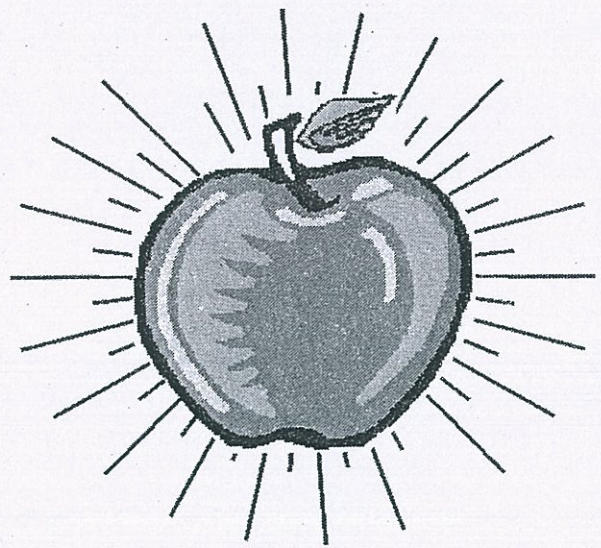
Fig. 1.06

2(vii) The God -An omnipresent force:- Had the Nature been the ultimate force, then its frequent annihilation should not have been there. Every body wants prosperity and not destruction. Nature is created, it flourishes and at the end, it is destroyed. In fact, according to the Law of Conservation of energy, the energy is never destroyed, rather it is only transformed in various other forms i.e. one galaxy, is annihilated at one place, the other is created at some other place. This cycle goes on incessantly. The meaning is that, there is some other power, which is so subtle, that it could not yet be identified or tested through existing instruments and human senses. But it performs all functions remaining behind the screen. This is why, Rishis concluded, that *God is present in every particle of the universe* The particles, molecules and matter constantly, keep on transforming into energy and energy is also getting transformed into matter , *is another proof of the existence of God.*

2(viii) Manifest forms:- From physical point of view, two qualities are seen in the ocean of electromagnetic waves:- (a) Light (b) Attraction.

(a) Light:- This quality exists in every particle of the material world. This radiance can be verified through the Kirlion camera (Kirlion camera can photograph radiance of any material or being). In the fig. 1.07, the radiance of a live fruit is seen. Until the radiance of the fruit continues upto a specific standard, the fruit is alive, after that it starts decaying. Similarly the life or death of any being can be ascertained on the basis of its radiance. The human aura can be photographed from this camera and ensuing diseased condition or even death can be predicted.

Fruit With Radiance



(b) Force of Attraction:- Even though this force of attraction is not visible to the human eye, but in collaboration with the force of 'light', it regulates the whole universe. Both these are the manifest qualities of the ultimate God (*Par Brahm*). The Rishis assumed these two forces¹ in human form, so that human intelligence may cognize and incarnate² them through persistent practice.

2(ix) Existence of God - A Story

This is depicted through a story as follows:- There was a gentleman who did not believe in the existence of God, whereas his son strongly believed in God. The son thought to teach his father. He made out an excellent painting and hanged the same in his study room and showed the same to his father. Father praised the painting heartily and petted the boy for his excellent creation.

The boy told his father, that the painting is not made by him. He explained that in his study room, there was a drawing sheet lying spread on the board along with a brush and colour tubes, but by mistake the

¹ The technique to incarnate unmanifest God has been given under Para 2 (1) in Session no.IV.

² The detailed description about these two symbols may be referred in Session no. V.

window remained opened . The next morning, when he (boy) entered his room, he was amazed to see, that the air entered through the window, shook the brush and colour tubes and artful painting was ready. On hearing this the father understood the message, the boy wanted to convey to him. Father concluded, that any activity can only be performed when there is some *live force* behind the activity, so is the case with the creation of this universe.

There are billions of galaxies, infinite number of stars, meteorites, atoms, molecules and what not which are in constant motion from infinite period. The galaxies get destroyed and change into blackholes. The stars¹ change into red giants, white dwarfs, supernova, neutron stars and so on . This means, that all this function is performed by an invisible Almighty force. Surely the beautiful creation can not come into existence by itself. There is definitely a great artist, who creates miraculous beings, unprecedented sceneries and wonderful laws to generate the universe. God creates without having any attachment, Plays with it and remains in constant Bliss. Scientists of yore, incarnated that Divine force in human form through '*samadhi*'. Since God has created the effigies of human beings, therefore intelligent Rishis also imagined that Super Power in human form. They invented a technique of breaking the law of cycle² and merging in Him.

3. Evolution Process:-

3(i) Primordial Age:- As soon as the earth's environment was favourable for life to thrive i.e. requisite temperature, humidity and oxygen were in optimum conditions, there followed the growth of vegetation, aquatic and land animals etc. This process took about two and a half billion years. According to Charles Darwin, at the end, an intelligent human being was born, who is known in the language of science as *homo sapiens*. In the beginning this human was amazed from the environment, frightened from thunder, animals and atrocities of weather. Thus he might have felt, that there is some invisible power, who is trying to frighten and trouble him. After an experience of few generations, he could

¹ The process of the death of stars, is known by different names depending upon their original size. The death of our sun has been discussed in Session no. IV. It appears that the stars after they are dead make a ring around the dead galaxy, perhaps, therefore, it is stated in puranas, that there is garland of human skulls around the neck of Lord Shiva.

² The detailed discussion on the law of cycle may be seen in Session no. II.

eliminate the fear of environment from his mind and learnt to climb the tree to protect himself from brutal animals.

3(ii) Stone Age:- The human being of primordial age to survive started learning fast. He learnt hunting from animals to quench his hunger. Since 'Might is Right' is the law of jungle, he made sharp tools from stones for hunting and learnt to use. This is known as Stone age. This period continued for centuries. During this period, the man remained naked and enjoyed free sex. He fed himself on raw meat of animals. The offsprings so born were also having animal tendency.

Accidents and experience were the only way of learning, besides the observation of the behaviour of animals, therefore, the humans also lived in herds and the strongest male was the head of the herd. All females were his property. There was no consideration like sister, mother, father or brother. All were male and female only. Various herds now started fighting for females.

Accidentally on rubbing the stones, he discovered spark, which he used in producing fire with the help of dry leaves. He now started using roasted meat. To protect from the atrocities of weather and brutal animals, he now started living in natural caves and burnt fire on the entrance. In due course he learnt from the environment like birds, reptiles, plants, trees, rain and so on. On nearing cattle farming age, more males were considered essential for better safety.

3(iii) Cattle Farming Age:- Primordial man learnt using the animal milk by observing their offsprings sucking milk of their mothers. This followed by taming of camel, neel gai, sheep, goat and cows etc. This is how the man learnt using the animal meat as well as their milk. When animals proved useful, then cattle breeding and sustaining them was practiced in a large scale. More people then started keeping more cattle. Thereafter out of greed, they stole or snatched cattle from other groups. Thus fighting and violence now started due to cattle capturing or stealing.

There were several areas on earth, which were not fit for agriculture, being deserts or snowy, hence the people of that area could evolve upto cattle farming age and their intelligence also remained limited.

3(iv) Agricultural Age:- In tropical regions, such as in India, extensive areas were available for agriculture, hence varieties of vegetation developed all around. The man conducted experiments with the vegetation and plants. From these experiments their hunger was quenched better, hence he grew them more and more. The land was raw and highly fertile, therefore, the experiments gave quick and favourable results. More and more intelligence developed, the man learnt about metals particularly iron and made the tools, which could be used for agriculture. Here the man started heading towards the civilized society. His needs started increasing. To protect himself from weather viz heat, rain and cold, he constructed houses first with grass and then with mud and started using clothes made from grass, leaves and animal skins etc. Centuries passed, the man became eager to know more besides the hunger and sex.

While doing agriculture, he studied nature and discovered the cycle of seasons. He collected detailed data after varieties of observations. These data were finalized after minute inspection, examination and analysis. Priority was given to data concerning agriculture and several amendments were made in due course.

3(v) Evolution of Language:- Gradually he learnt to convey his ideas to others through signs and symbols. *After a very long time*, the alphabets were formed with the help of signs, from alphabets sentences and from sentences approximate language was formed. Advancing from the animal level, the man learnt much more through language. During this phase, such souls were born, who had more awareness due to their higher impressions (*samskars*) in their pre-birth. They guided the society to improve further. Vedic scriptures do state, that at the end of the creation all the souls merge in the body of the creator (*Brahma*) and at the beginning, they are reborn from him based on their '*karmas*' and tendencies. This happens repetitively at the end of total annihilation (*pralaya*) of our solar system and at the beginning of each kalpa. (period = 4.32×10^9 solar years)¹.

In accordance with Darwinian Theory, it appears reasonable, that the Nature evolves as per genetic permutation and combination and the man comes into existence at the end of this evolution. But in the creation in different periods, besides on the land, infinite number of beings are

¹ The details of Kalpa may be referred in Session no. V.

born in places viz sky and ocean. Moreover the evolution process is not linear. In fact, in the beginning of the creation, there is higher temperature, whereas light is less and availability of food is limited, therefore, such souls are born, who can thrive under these circumstances. As the environment changes, the kind of souls accordingly are born, because the seed of '*karma*' i.e. the frequency already exists in the , body of '*Brahma*' i.e. the creator. The Rishis acquired this knowledge and taught us, that the cause of birth of any being is '*karma*¹' and the frequency generated from it.

3(vi) The advent of Vedic Period:- When the man observed a round body in motion, he constructed a wheel, thus the **WHEEL** was invented. Also when he found a log useful in lifting the heavy weight, the **LEVER** came into being. The man thus developed several convenient tools viz '*rehant*'², *cart* and *chariot*. It saved lot of labour of the people. By development of *lever* and *wheel* the construction of houses and pot making became easy. The excavation of '*Mohanjodro*' and '*Harappa*' civilization suggests, that planned house building and advanced pot making techniques were developed during that period. When the minimum requirements of human life viz bread, clothing and shelter were fulfilled, the man started looking eagerly to several other areas of nature questioning himself with why, how and when? Groups were then formed to collect data from various fields. After thorough study and examination of these data, the people started writing their experiences in a systematic way on '*bhoj-patras*' (kind of leaf used as paper for writing in ancient India), whereas most of the knowledge was memorized and transferred to the next generation orally. This procedure was followed for centuries. It was known as *Shrut*³.

4. Great contribution of Vedic Period:- Vedic Rishis put three questions to themselves and carried on the research work . The three questions were:- (a) Who am I? (b) Where from I have come? (c) What is the goal of my life?

While putting these questions, they discovered a technique known as *Samadhi*. While diving deep into meditation (trance), they could see

¹ The discussion on creation as per Rishi's version is given in Session no. IV.

² Rehant is a kind of device driven by a bullock to lift water from wells.

³ '*Shrut*' means a knowledge heard, assimilated and then transferred to the next generation. This was done through '*Guru-Shishya*' tradition. Vedic knowledge at the end of '*Dwaparyuga*' was compiled, edited and written in Sanskrit by Maharishi '*Vedvyas*'.

several mysteries of Nature on the screen of their chitta (sub-conscious) and could read them through intellect. *Thus they gathered vast and surmounting knowledge, that formed billions of pages of Vedic scriptures.* The sketch, of syllable OM (ॐ) which we are able to draw now with the help of the radio-telescope was cognized already in trance state by the Rishis. They recommended this for prayer. They also heard the soothing sound of OM (ॐ) caused by the terrific motion of billions of galaxies.

**Research By A
Large Group**



Fig. 1.08

For efficient agriculture, they evolved a calendar based on the coordinated movement of the sun and the moon. It is seen, that the weather cycle follows Vedic calendar more precisely rather than Gregarian calender. The study of the effects of celestial bodies on human mind made under Astrology by the Rishis is matchless. This study also relates to the scientifically designed dates of number of festivals based on the motion of the moon, the planets, the Rashis, and the nakshhatras. The specific and important dates are 'Ram-Navmi'¹, 'Krishna-shtami'², 'Shiv-Ratri'³, 'Holi'⁴, 'Deepawali'⁵, 'Dusshera'⁶ etc. If the worship of the deities is performed on these specific dates, then there is much beneficial effect caused on the human mind. The best work of astrology is '*Bhragu-Samhita*' by Rishi '*Bhragu*'. This is a small matter governing one field only. Aeroplanes, ships, warships, rockets, missiles, varieties of explosives and such arms and ammunition were evolved, which could destroy enemy's arms in the air itself. Now a days this is known as '*star-war*'. This research is a recent event and is in the stage of evolution. Several thousand valuable sanskrit manuscripts have either been destroyed or taken away from the country. In Great Britain alone, there are eighty thousand Sanskrit manuscripts kept in a library known as '*India Library*'.

¹ Birthday of Lord Rama – *The manifestation of light.*

² Birthday of Lord Krishna – *evolution of magnetic energy.*

³ Meeting of energy *i.e. shakti with Lord Shiva.*

⁴ Festival of colours.

⁵ Festival of light.

⁶ Festival of victory of righteous forces on unrighteousness.

4(i) Vedic Knowledge:- Researched by a big group of scholars :- The Rishis completed the journey of quest of *Atman* (Spirit) and *Parmatman* (God) via studying the qualities, behaviours and functions of the world of matter. This could be achieved by the united and untiring work of *group of eighty eight thousand Rishis called 'Shaunak'* and with full cooperation of several *Maha Rishis* (who reached to the highest state of Samadhi). In the whole lot of this team, Vashisth, Vishwamitra, Balmiki, Jabal, Agastya, Bhardwaj, Gautam etc are the main heads. It took sufficiently long time for Vedic knowledge to evolve and reach maturity. This is how this knowledge recorded in Vedas became so *vast, that to search anything beyond this became almost impossible. Thus this wholesome knowledge was known as if the version of 'Brahma'* -the creator.

4(ii) Object of Vedas:- The Vedic knowledge is eternal and wholesome. It is available on the screen of '*Super Computer*' of the macro from the time immemorial. During each kalpa, the researchers draw this wholesome knowledge through trance (Samadhi) and arrive at the benevolent conclusions that:-

- (a) The human form is the ultimate and the best creation of God.
- (b) Due to illusion (Maya), the souls keep on moving in infinite cycles of life and death, therefore,
- (c) On attaining human form each soul should strive hard to go beyond death. This is the *essence and basic object of Vedas*.

Nearly five thousand years from now Rishi Vedvyas compiled the total '*Shrut*' (oral) knowledge in four volumes. These are known as '*Rig-Veda*', '*Yajur-Veda*', '*Saam-Veda*' & '*Atharva-Veda*'.

One of the superb speciality of Vedas is that, it not only encompasses knowledge of '*Atman*' (spirit) and *parmatman* (God), but also knowledge from varieties of areas viz Ayurveda, Yajnas and yoga etc. *Ayur-veda is meant to deal with upkeep of health, different kinds of 'yajnas' to keep the people flourishing with material wealth and number of yoga techniques to go beyond death. Thus Vedic knowledge is universal, multi dimensional and useful for all the three periods of time.*

The highest and the basic object of Vedas is, that all beings be happy and prosperous, be free from the fetters of 'maya' (delusion) and live with harmony, peace and brotherhood.

4(iii) Vedic tradition of Rishis:-

(a) **Rishi-Muni:-** This term denotes the Researcher or Acharya, who is not necessarily a Brahmin. He can be from any Varna. Rishi is a scholar, who is well versed in all the three dimensions of knowledge i.e. (a) Adhyatmic (b) Adhidevic and (c) Adhibhautic.

(b) **Maha Rishi:-** The head of the department of any research Institute or Vice Chancellor of the university.

(c) **Brahma Rishi:-** Renowned scholar or the chancellor of the university, who has achieved the state of Samadhi (trance)

(d) **Titles:-** There are several names found in the Vedic literature viz Shaunak, Vashisth, Vishwamitra, Parashuram, Gautam, Bhardwaj, Balmiki, Jabal and Vedvayas etc. These are the names of persons as well as are the titles. These titles are carried forward through generations as per the names of their gurus. The term '*Gotra*' is named after the name of these gurus (teachers), i.e. all the disciples of guru '*Bhardwaj*' shall be known as '*Bhardwaj*'. About 1300 (Thirteen Hundred) years from now Adi-Shankracharya was born. As per tradition his disciples posted at four Matha Centres are also known as Shankracharyas. Few main titles are discussed in the following paragraphs:-

(e) **Shaunak:-** It appears, from the record, that there was a big group of researchers numbering eighty eight thousand. This group was named after its head '*Shaunak*'. Hence the name of the group was '*Shaunkadi*' (literally means Shaunak etc). The chairman of this group was named as '*soot*'¹ (thread) i.e. a scholar whose intelligence was very very fine like a thread and who could keep under his command such a large group of researchers as a thread keeps all beads tied in unity. Like the rivers coming from all sides merge into one and create an ocean, similarly the researchers made the Vedas an ocean of knowledge. This knowledge is so vast, that till today no preacher of any age could digest this in full. All '*gurus*' sitting on the shore dived upto the level, which could solve the local problems of that period. '*Gurus*' taught to the people, which they could easily grasp and the local problems of that period could be tackled viz Bhagwan Buddha resisted wrong concept of '*Varna*',

¹ **Note:-** In Vedic period as a tradition the names of the people were so chosen, which denoted their tendency, behaviour and the function the person did.

Mahavira preached *non-violence* and Swami Dayanand opposed *idol worship*. These were the burning issues of that time.

(f) **Rishi Vashisth:-** The name of Rishi '*Vashisth*' is repeatedly found in Ramayana and Ram Charit Manas. He was the chief guide and the advisor of king Dashrath. But as a tradition it appears, that any such guide and advisor to the king was known with the title '*Vashisth*'. The literal meaning is 'Vishista' (विशिष्ट) i.e. special. It is said, that there were one hundred and eight members in the parliament of king Dashrath. Those members were known as '*Vipras*'. The literal meaning of '*vipra*' is, those who have conquered senses. As a rule, the laws framed by these members were got executed by Rishi '*Vashisth*' from the king. It is also understood, that the king had no right to choose his successor without the approval of the chief guru.

(g) **Rishi Parshuram:-** To keep the public happy in all respects was the prime duty of the kings. The vigilance department of '*Rishi-tantra*¹' was meant to keep an eye on the kings for implementation of the laws of Dharm i.e. the laws framed for public welfare by the Rishis. Those kings, who failed to implement these laws were punished by the Rishi Parshuram, the army chief of the vigilance department. The name Parshuram can be interpreted as the Rama, who holds the Parshu (a sharp tool) or has an authority to punish the negligent kings. Such an ideal democracy was practiced in Vedic period, which is an universal model even to-day for any state.

Due to this strong vigilance department, the kings looked after the public like their son. This is how there was peace and prosperity all around. On weakening of the vigilance department, the kings started acting as per their own will. The gurus and the advisors of the state were also under pressure or greed, hence they became morally degraded. Thus, the kings relinquished their prime duty of public welfare.

(h) **Vishwamitra:-** This '*Rishi*' was in full command of the Department of Defence Research and Development Organization (D.R.D.O) of the North India base. From the story narrated in purana, it appears, that he had sent several rockets, satellites and shuttles into space. Only one case is reported to have failed, where a king named

¹ Detailed discussion on '*Rishi Tantra*' may be referred in an essay – '*An ideal democracy - The Rishi Tantra*' in Part III of the book.

'*Trishanku*' could not complete his space journey. In the language of symbols, the story relates, that the deities did not like a King coming for enjoying space journey having no motive of research, hence he was kicked back.

This Rishi researched '*Gayatri Mantra*'¹ and heard the primordial sound 'OM'. (ॐ) He thus through this mantra bridged the '*Upasana*' (prayer) technique of formless God to the God having specific form, i.e. the principle of symbolization was researched by him. This was his greatest contribution to '*Vedic Dharm*', because this way the '*Upasana*' (prayer) was simplified, accepted and applauded by the common man. He thus became the friend of the whole universe as his name depicts (*Mitra = Friend, Vishwa = Universe*).

(i) **Agastaya:-** This Rishi was the incharge of the department of research of arms and ammunition for country's defence in South India. According to purana, '*Rishi*' *Agastya* gave the specific arm and told '*Rama*' the exact time when '*Ravana*' was destined to be killed, because this '*Rishi*' was an excellent astrologer also.

(j) **Bhardwaj:-** This Rishi was the incharge of the Deptt. of research on aeroplanes, ships and automobiles. It appears, that such devices were discovered, which could pilot the aeroplanes through oral command. This means that the technique of '*Mantra force*' was much more advanced in those days. It is reported that an aeroplane named '*Pushpak*' seized by '*Ravana*' from '*Kuber*' was used by '*Lord Rama*' for returning to Ayodhya after killing '*Ravana*'. It was piloted by mantra force and could land any where at will.

(k) **Maharishi Balmiki :-** Rishi Balmiki was a great psychologist of highest rank, a matchless poet and an excellent writer of spiritual science. By writing Ramayana, he created a firm bank for a river of eternal Vedic culture of '*Science and Religion*'. *He interwove the four forces running the universe so intelligently in the characters of Ramayana, that it proved to be universal and timeless model for all ages.*

(l) **Maharishi Vedvyas :-** Rishi Vedvyas created another bank for the river of eternal Vedic culture by writing epic called Mahabharata. He was the greatest literarian, a psychologist of top most rank and the scientist

¹ Detailed discussion on Gayatri Mantra may be seen in an essay titled as "*Gayatri Mantra*" – "*The Research of Science of Symbolism*" in part – III of the book.

of the first order. By interweaving the '*dark matter*'¹ in his historical writing of Mahabharata, he revealed another dominating and unmanifest form of God, the Lord Krishna. After compiling the Vedas, he stated with great confidence, that whatever knowledge exists in the space has been put down in his writings. There is no knowledge left beyond this, which the humanity can know and learn. He incarnated Lord Krishna and wrote the '*Bhagwat Katha*', the devotional song on the life of Lord Krishna, an excellent poetry *lovable* by billions of people.

5. Principal Laws of Nature² :- Rishis also made a deep study of Nature, explored several laws and put them down in the scriptures. Few of the principal laws are described below:-

(i) Law of cycle (ii) Law of opposites or law of complementarity (iii) Law of karma or law of action – reaction (iv) Law of life on earth and beyond (v) Laws of liberation & salvation (vi) Law 'As the microcosm, so the macrocosm' (vii) Law of selfless service (yajna) (viii) Prayer (upasana) based on the doctrine of one formless God (ix) Prayer (Upasana) based on the doctrine of number of godforces deities having definite form and qualities as parts of '*God*'.

The Rishis have researched number of Natural Laws and compiled them in Vedas. Out of them nine have been picked up for discussion here. Six of them are meant for knowledge and the last three for practicing in life, so that every human being may go beyond death.

The understanding of the above laws leads to the vision of '*TOTALITY*' and then there remains no need for violence in the world. On adoption of the above principles, the man goes beyond prejudice. *He may then pray 'Isa' or 'Allah', it hardly matters*. In that case, every incarnation is the part of '*Brahm*' (God) and the power behind each one is of '*Rama*' or '*Shiva*'. Thus, the basic instinct of secularism shall be implemented, and the formation of bliss oriented society shall automatically come into existence. The above laws shall be analyzed scientifically in session no.-II.

6(i) Worship of gods through Icon:- It is easier to understand the difficult subjects of Science viz Chemistry, Mathematics and Physics through the language of symbols. Also a child learns comfortably through pictures.

¹ According to the Modern Science, this dark matter has the greatest attracting power.

² Detailed discussion on the Laws of Nature may be seen in Session No. II.

In the same manner, to understand Nature and hidden godforces, Rishis used the language of symbols and designed varieties of icons. Thus they have solved very difficult riddle by interweaving these symbols in the myths and conveyed to the common man the deepest message of '*Dharm*'. Since, idols have been found in almost all the countries, therefore, it shows, that this simple method to pray *God* and incarnating the '*godforces*' had been carried from India. The computer technology has shaken the world today, whose basis is only two symbols i.e. zero and one. If these symbols are removed, shall then the computer work? Alphabets make the words and from words the sentences and then the language takes a specific form. If these signs and symbols are removed, shall then we not be crying like monkeys? Signs like a, b, c, x, y, z etc help us in solving several problems of Mathematics and Science. In case we remove these signs, shall we not go back to the Stone Age? Therefore, by creating an idol of formless God and meditating upon the same, it is feasible to incarnate God. *This is a supreme research of Rishis*. Treating the patients through tele-therapy is prevalent now-a-days. In this therapy the doctor showers his own vital energy on the photo of the patient and the patient sitting at miles away recovers from ailment. Tantrikas use effigy made from flour or soil and through specific mantra, they kill or create separation between two human beings.

*Worshipping
Symbol (Idol)*

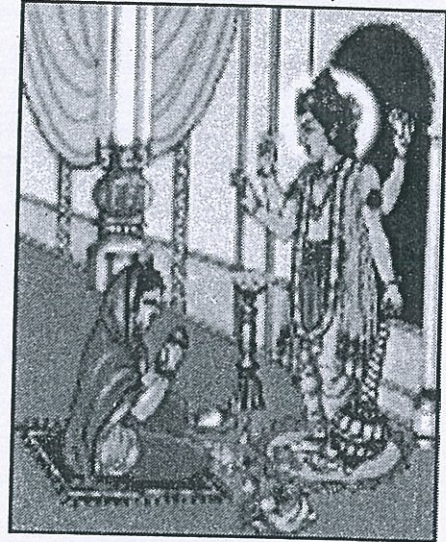


Fig. 1.09

While carrying out the survey of some land, engineers are taught to measure the width of a river without putting measuring tape on the waters. This is done by drawing an isosceles triangle on the bank of the river. This problem is solved with the help of trigonometry as explained below:-

6(ii) Solution by Trigonometry:- A tree or a post say X on the far side of the river is located. Similarly, another post say Y is erected just opposite to the previous one on near side of the river. Now a straight line along the bank of the river at right angle of the post Y is drawn, so that the point Z is reached. This point Z should be such, that it makes an angle of

45° at Z with the post X on the far side of the bank. Now the distance 'YZ' is measured. This is equal to the width of the river. Since the triangle makes an angle of 90° at Y and 45° at Z, hence the arm XY = YZ, the width of the river (ref. fig. 1.10).

Measuring Width of River

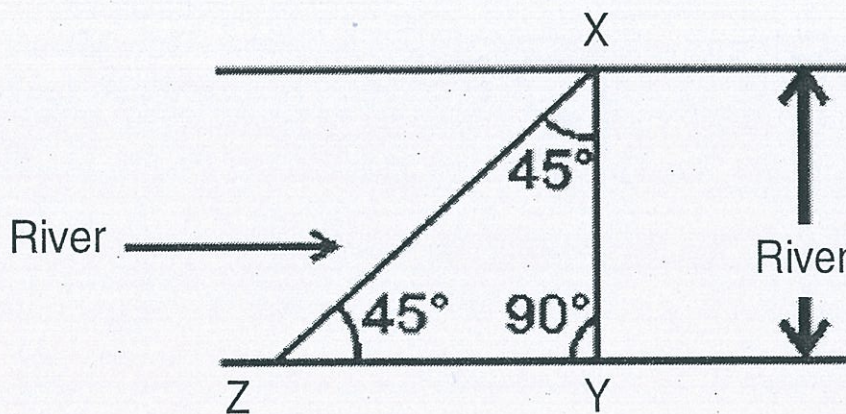


Fig. 1.10

In fact the subconscious mind understands the language of symbols, therefore, before recording external stimuli, it translates them into symbols. This shows that the symbols have very deep influence on the human mind. It is the '*Rishis*', who realized this truth and designed the forms of deities in such a way, so *that the man not only enjoyed the material world by meditating upon these forms, but also could break the cycle of life and death.* Thus this is the greatest research and matchless work done by the '*Rishis*' for humanity.

6(iii) System of Poly gods:- Every common man gives priority to his protection from adversities and desires for health, wealth, intellect and education etc. Therefore, viewing the life from '*totality*', Rishis have designed the requisite deities e.g. *goddess laxmi for wealth, Sri Hanuman for protection from adversities, god Ganesha for intellect, the goddess Saraswati for knowledge and*

Illustration of Poly gods

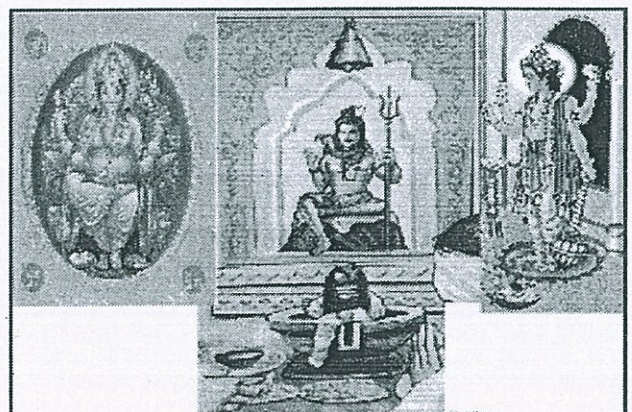


Fig. 1.11

Lord Shiva for several other needs of life viz offspring; health; wealth; and good spouse etc. Every man according to his emotions constantly ponders upon his needs. It becomes his '*mantra*'. The *icon* is only the medium to communicate auto-suggestions to the sub-conscious, which is constituted of proton particles, hence it is live and carries creative force. Therefore, when the practitioner prays with devotion, the sub-conscious gets activated. The tranquil chitta receives the emotional waves of the mind. Based on the quality and the strength of the waves of Samkalpa, the wishes and desires are fulfilled¹ by it. *Infact, the technique of worship of gods through their forms has strengthened the ideology of Poly gods. This issue is also the cause for religious fanaticism. This can be eliminated by understanding basics of designing the deities.*

7. An improved technique of preaching:- The Vedic '*Rishis*' have used a highly improved technique of preaching '*Dharm*'. They first scientifically designed icons of formless godforces and then wrote educative tales to convey the deep import of the scriptures in the form of dialogue between the '*gods*' and the '*Rishis*'. By this way the listener's ego is not hit and the disciples also grasp the subject easily. As used in puranas, there are varieties of dialogues viz between '*Lord Shiva*' and '*goddess Parvati*' (the wife of '*Lord Shiva*'), between '*Brahma*' and '*Narad*' (the son of '*Brahma*'), between '*Lord Krishna*' and the warrior '*Arjuna*', between '*Soot*' and '*Saunak*', between '*Garud*' and '*Kaak-Bhusundi*', between '*Shri Shukdeo*' and '*king Parikshhat*' and so on. Since tales have extensively been used during the dialogues, that is why, the subject matter of puranas is interesting. Similar technique has been adopted in '*Upnishads*' and '*Srimad Bhagwad Geeta*'. '*Srimad Bhagwat Puran*' consists of an excellent compilation of tales interwoven with symbols, hence is very popular.

8(i) Modern Science and Spiritual Science:- Several friends admire the modern science, whereas, others think, that spiritual science researched by the '*Rishis*' is far superior than the material sciences. It is true, that the modern science has not been able to conclude its journey upto the existence of '*Spirit*' and '*God*', yet the aim of science is also to search the ultimate truth. Few scientists think, that God can be found hidden somewhere in particles of matter, so they are searching Him as '*God Particle*'.

¹ The detailed analysis on the subject is given under Para 2(1) of Session no.-IV.

Modern science once started its journey from the search of atom (micro) and now it is intensely involved in the search of '*Macro*'. The scientists are devotedly engaged in the search of the beginning of the universe, but whatever researches have been made so far, all of them confirm the existing data researched by the '*Rishis*'. Leaving few points that have been explained at appropriate places in the book, the modern science has not denied the '*Rishis*' versions. The difference in versions, if any, is basically due to the expression of language used. The '*Rishis*' have written their researches in the language of symbols (deities)

interwoven with interesting tales and poetry in the cultured manner, whereas the language of science is straight, unattractive and without touch of emotion. When the style of writings of the '*Rishis*' is decoded, it matches with the views of modern science. But somehow, the reader finds it not in accordance with his age old impressions (samskars), hence he does not relish it. As an example the decoding of the symbols "*first meal to cow*" (Gaugrass) and '*Varna System*' bewilder the readers. This distastefulness may become more prominent particularly in Session IV and V. Readers are requested to view them with patience and logic.

One thing more, that the researches made by modern science are based on the Physical instruments e.g. Radio-Telescope, Microscopes, Space-crafts etc, whereas the research work of '*Rishis*' was based on the infinite velocity of the human mind, which could reach anywhere in the universe in almost no time. In Samadhi (trance) the '*Rishis*' found out secrets of creation very precisely and the modern science is gradually confirming the same.

The Science is often blamed for deviating from its versions, but that is quite normal for any evolutionary process. The science has never stated, that their conclusions are ultimate and are not subject to change. As and when the science shall understand and learn the technique of controlling the mind and using it, then it will also know about the '*spirit*' and '*God*'.

Improved Technique of Teaching

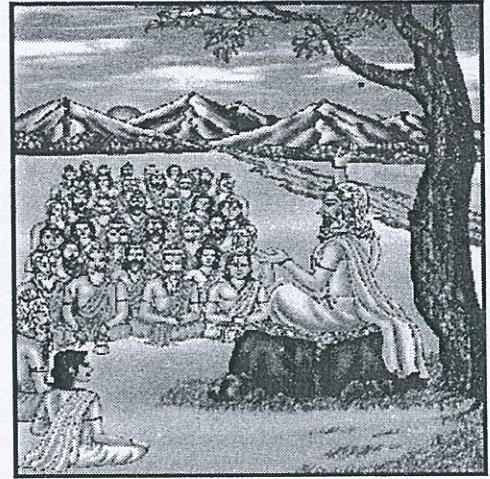


Fig. 1.12

Take an example of two researchers moving along the equator across the globe, but in opposite direction. They are bound to meet one day at one point. This will become more clear gradually in following Sessions.

8(ii) Concept of Totality:- The Rishis on visualising the wholesome view of human life and the control exercised by the macro on the souls ascended to human form formulated a comprehensive plan¹ to protect them from:- (1) Poverty, hunger and disease. (2) Descending to lower yonis (species) and (3) To elevate each human soul to liberation / salvation as early as possible.

Keeping in view the above problems such literature was composed, which could combat the immediate needs as well as the ultimate goal of human life. What is important here is their ability to view things in totality. Thus the Vedic literature is not only a treasure of immense knowledge, but is also *wholesome* i.e. it is *comprehensive* and *total*. The '*Rishis*' examined the human life from every angle and pitched their findings on the crossroad as a permanent lamp post for us. Take an example of a picture of a deity. If this picture is torn to pieces and these pieces are picked up by several people, *then no single person shall be able to identify the actual deity*, unless all the pieces are assembled. Similarly, *the view of totality projected by the Vedas had not been understood and digested by any person of any age*. This deviated the basic instincts of Dharm, hence Vedas have been challenged time and again in every age. The gurus also explained to their disciples, according to the need of that time and as per the calibre of the masses, resulting into confusion, controversy and growth of different sects. These controversies, ultimately led to violence. As a result of one such controversy, there had been a long term battle between '*Shaivites*' (followers of Lord Shiva) and '*Vaishnavites*' (followers of Lord Vishnu).

8(iii) Rise of controversies and their solution:- In India, a time existed, when the whole country was sub-merged into controversies, as the six scholars, even though, explained Vedas only, projected their partial views. This resulted in lots of confusion and country-wide debate. The controversy was ignited by muni (thinker) '*Charvak*'. He emphasized that there neither exists '*spirit*' nor '*God*'. This physical body alone is everything. Hence eat, drink and be merry even by taking loan and forgetting to pay back also. Then came other philosophers viz '*muni Gautam*' propounded '*Nayaya Darshan*' Kanad Muni explained '*Vaisheshika*', '*Patanjali*' proposed '*Yoga-Darshan*', '*Jaimini*'

¹ In this connection refer an essay in Part III of the book "*Praying Deities – fulfillment of worldly desires*".

stated '*Poorvi-Meemansa*', Kapil' said about '*Sankhya-Yoga*'¹.

The public got perplexed and could not decide "who was right" ? In the language of symbols, this was known as '*Tarkasur*' (literal meaning is Asur = demon; of tarka = controversy and debate). The scholars of that time then recognized all the six philosophies propounded by these authors and left the decision for the coming generations. Lastly Maharishi Vedvyas proposed a coordinated philosophy in '*Srimad Bhagwad Geeta*'. Thus the controversy finally came to an end. This act was known by the people in the language of symbols as if the demon of '*Taraka*' (debate and controversy) was killed by '*Swami Kartikeya*' Shadanan – the six headed, son of '*Lord Shiva*'.

In '*Ram Charit Manas*'² this killing of the demon is mentioned in poetry, which means as under:-

Then was born six headed son of 'Lord Shiva', (each head represented each philosophy) who killed the demon 'Taraka' (the symbol of controversy and debate caused on account of proposition of six philosophies by various scholars).

Dear readers! If the language of symbols is understood from its basics, the subject matter shall be quite clear.

Inspite of the above solution, there had arisen more opinions viz '*Dwaitwad*' (doctrine of two, that is God and spirit), '*Vishistadwait*' (mono-theism with special provision), '*Shudhadwait*' (pure adwait), and so on. Finally, the doctrine of '*Adwait*' propounded by '*Adi-Shankracharya*' was accepted. '*Adwait*' means God and spirit are same.

Since, the truth is one, hence, the confusion arisen due to the symbolization can be cleared by modern science and it is hoped, that this shall be welcomed by all open minded people.

9(i) The Evolution of Vedic Dharm and the Future Generations:- The Vedic Dharm has flexibility as an inherent quality, hence according to the need of the times, the changes could be made to suit the people of the age. It appears, that in '*Sathyayuga*' (Golden Yuga), the prayer technique was based solely on formless God and the doctrine was Adwait (Monotheism). The mantras practiced for upasana (prayer) were - *Tatwamasi* (you are that); *Ayam Atama Brahm* (This spirit is God), *soham* (He and I are same) and '*Aham*

¹ Brief details about these philosophies may be referred in Session VI of Part II of the book.

² Sri Ram Charit Manas, Chapter No I, verse between 102-103.

Brahmasmi (I am God). The discipline and austerity required for this kind of prayer was difficult, hence, majority of people could not pray. ***Rishi Vishwamitra*** realized the difficulty of the people and he proposed the ***'Sagun Saakar'*** (prayer of God having definite form and qualities) method of prayer.

On recognition of this new technique, the icons of deities and God were designed. This method was welcomed by the majority of the people leaving a few, who also agreed with the passage of time. After compilation of oral (*shrut*) knowledge in four volumes of Vedas, Maharishi ***'Ved Vyas***, categorically stated, that the highest order of truthfulness, like that of ***'Raja Harish Chandra'*** of ***'Sathyayuga'*** and hardships / austerity practiced by ***'Lord Rama'*** in ***'Treta Yuga'*** were relevant for those yugas only. While writing Mahabharata, using the symbols, he through the preachings of Geeta stressed on ***'selfless duty'*** as the right Dharm for ***'Dwapar. Yuga'***.

Further defining the fourth leg¹ of ***Dharm***, he delineated giving of alms (Daan) alongwith Bhakti as the ***'Dharm'*** for ***'Kali Yuga'***. For inspiring Bhakti in the people, specially for masses, he wrote an excellent poetry on the life of ***'Lord Krishna'***² known as ***'Srimad Bhagwat Maha Puran'***. Maharishi Vedvyas was not only a great psychologist, but also had the foresight of future events. He foresaw, that ***Vedic Dharm*** will sharply decline on account of a long term massacre and terror. That is why, ***'Bhakti'*** oriented literature was written. Many saints born at later date inspired the masses on the basis of ***'Bhakti'*** and boosted their moral at the most crucial period of history. Thus the Vedic Dharm was saved from total annihilation. As per the demand of the time, ***about four hundred years ago, Guru Gobind Singh briefed the Vedic scriptures and compiled 'Guru Granth Sahib' the vani of the then saints in poetry and in local language.***

The people of that region, therefore, became the staunch followers of the same. Similarly the people of the age of computers, robots, rockets, missiles, satellites and star-war should be guided in the language of science.

¹ Four legs of Dharm may be referred in Session no. II of Part II of the book.

² Srimad Bahgwat Maha Puran Vol I, (Pages – 64-65), Fifteenth Edition, Samvat 2047, Publishers M/s Geeta Press, Gorakhpur (India).

There is a tale in Puranas known as *Kalki incarnation of God*, which forecasts the method of re-establishment of Dharm in Kali Yuga.

9(ii) Kalki Incarnation:- According to a myth of puranas, the God will incarnate. He will come riding the horse with a sword in hand and kill wicked and re-establish '*Dharm*'. Since this is in the language of symbols, hence it can be decoded as under.

The horse is partially blinded by a leather covering and runs on a guided track, hence it is the symbol of human mind having blind faith and wicked thoughts. The sword has a very sharp edge. So it represents the slaying of wicked thoughts by the scientific analogy. As the science has the capacity to wipe away the blind faith and infuse logical understanding in the masses, therefore, the laws of Dharm shall be restored through the propagation of science. Vedic scriptures state, that every activity is solely performed by the God Himself behind the screen, that is why it has been stated that:- God riding the horse will carry out that killing and re-establish the noble thoughts of Dharm.

9(iii) Humanity:- The humanity as a whole is one irrespective of the colours of the skin or shape of the eyes or the region where they live. In the ancient days, there was only '*Dharm*' on the globe, which was based on the Natural laws. The same laws are required to be re-established on the basis of scientific understanding. Hence, it is proposed that:-

(a) The '**Natural Laws**' described in paragraph 5 of this session should be propagated in terms of modern science. The media and the Govt. both should give full cooperation in its propagation.

(b) The scientists of the world forum should also affirm the laws of Dharm, to inspire future generations.

(c) The school children should compulsorily be taught these laws to bring harmony, peace and brotherhood on the globe.

- Hari Om Tat Sat -

