

GOD, SOUL AND UNIVERSE
IN
SCIENCE AND ISLAM

by

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(RENOUNCED TITLE OF C.I.E. AND KNIGHTHOOD)

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P R E F A C E

IN the month of June 1944 while at Simla I was asked to preside over a Prophet Day meeting which the new Mus'im Club had convened to celebrate as its opening ceremony.

As I had leisure and time for the rest of that month an idea struck me that I should utilize it in writing a small pamphlet on the greatest of the Teachings of Prophet Mohammed (may peace be on him)—“Unity of God.”

As many young men with modern education are not satisfied with any dogmatic teachings and young Muslims do not have an opportunity of reading religious literature which is mostly in Arabic they have been desiring some scientific explanation about 'Nature' and its 'Creator' in a language which they understand. I have chosen English instead of Urdu so that the book may be read by those also who do not know Urdu.

With my very limited knowledge and having no book with me for reference the task was difficult but I have ventured to put down my thoughts in this little book with all the handicaps.

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As all the dates, figures, and names have been given by memory there is a possibility of some mistake and I will ask the scientists to kindly inform me if they find any.

I confess my shortcomings and paucity of general knowledge as well as knowledge of science to the learned readers and request their indulgence.

I have tried to give a scientific explanation of the teachings of Islam about Unity of God, and the Soul of man. Incidentally a scientific explanation of Angels had to be given. For this purpose the structure of the Universe and the cosmos had to be explained.

A brief note about the teachings of other religions on the Unity of God is given in the beginning and some references are made in the context of the book where it was felt necessary. No criticism of any person's belief is intended and I ask for forgiveness if anybody finds that I have injured his susceptibilities.

My knowledge about other religions which is very very little, is derived through books in English language, and I do not deny the possibility of mistakes in ideas which often take place when works in one language are translated into the other.

I have tried to write this book in as simple

language as possible and have avoided using technical terms but wherever an uncommon word is used its meanings in plain language are given after it in brackets.

I have added a chapter at the end giving very briefly some of the great blessings which the Prophet brought to the world by his teachings. These were a necessary corollary to the Unity of God.

When the Great Messenger started teaching to the world "the Unity of God" he started simultaneously reforming the world by teaching men to get rid of the inequalities which prevailed between man and man, and between man and woman who were all created by the same God.

This little book which is written on a new and original line by an incompetent man as I am, will be, I hope, the precursor of learned works by learned and capable persons.

I am much indebted to S. M. Akhtar Mir, B. A., LL. B., for typing the manuscripts and the help he gave in publication.

In the end I request the readers to pray God for forgiveness of my sins.

MOHAMMED YAMIN KHAN

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CHAPTER I

CONCEPTION OF GOD IN SOME RELIGIONS

ALL religions have tried to give a scientific conception of God to their followers.

HINDUS

The HINDUS divided God into three different deities: (1) Brahma, the Creator, (2) Vishnu, the Preserver, and (3) Shiva, the Destroyer. This led to idolatry and images were made of these deities and cults were formed to worship one or the other of these gods. Originally the conception of God among the Hindus was right when they believed Him to be Unit and Omnipresent but when they started dividing Him into different shapes according to different functions which they considered He performed, they strayed far from their original conception. The result was that many heroes who were men in their lifetime were gradually turned into ^{Avatars} incarnations of God and idolatry increased. Instead of the worship of one God who was Omnipresent (Brahma) different deities became objects of worship. In different parts of India and in different castes different deities are worshipped.

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In Bengal Kali (or Durga) is worshipped, in Kashmir the popular deity is Shiva and is worshipped along with his wife Parvati and their child Ganesh, in United Provinces and Delhi Hanuman and Krishna are greatly worshipped. The Rajputs celebrate the victory of Ram Chander their hero who is revered as incarnation of Vishnu while the Vaishnavs worship their popular deity Lakshmi on Dewa day as she brings wealth to them earning and amassing of which is the sole object of life of merchant classes.

The depressed or outcast Hindus have their own objects of worship. Among them you find some as monotheists while others are hero-worshippers. Rehdaas and Lal Guru are worshipped by some sects. Quite a large number worship different objects like rising Sun, snake, peepul tree etc. Many Hindus believe that all their sins are washed away by having a dip in the holy water of the Ganges.

Thus it is seen that the great philosophic religion which conceived Unity of God in the beginning brought in corruption and degradation of high ideas when His attributes as the Creator, the Preserver and the Destroyer were divided and allotted to different deities possessing separate entities in different forms.

God who was Omnipresent and Infinite was supposed to have taken limited and perishable shapes of men in the persons of Ram Chander, Krishna and others.

The Hindu mystic still worships Unit God and tries to merge his soul in Brahma, i.e., all-pervading soul by submergence and killing his flesh by denying its desires.

The spread of European education and contact with Muslims has brought a reaction and Swami Dayanand Saraswati, a man of great learning, started preaching the old religion of the Vedas which conceives Unity of God. He has been successful in converting many Hindus who were pagans or polytheists into monotheistic religion.

It is not desired in these pages to go into details of any religion or to criticise it but a cursory review is needed to give a background to the reader to understand what follows.

CHRISTIANITY

Jesus Christ (may peace be on him) started his preachings among the Jews which was his own community. Jews of his time, though professedly believed in the religion taught by Moses, were sticking to form only while the spirit underlying

those great teachings had disappeared and their respect for Ezra had reached close to idolatry.

Jesus tried to explain that Israelites alone were not the favourites chosen by God to worship Him but the religion revealed on Moses and other prophets was meant for all human beings. He tried to reform the Jews by supplementing in their religion which was needed at the time. /

He never claimed himself to be anything more than a human being but his followers who were mostly influenced by the ^{پagan} pagan ideas and Sun-worship of their time turned him into the son of God. The Chaldeans and Babylonians believed Marduk to be the favourite son of God who used to intercede on behalf of those who after committing sins asked for his help. / Everything that is said about Christ as son of God will be found attributed to Marduk of Babylon and Chaldees whose temple was the largest known temple in the history of the world and was destroyed when Senachirab turned waters of the Euphrates on Babylon. Alexander the Great tried to repair it but when he found that the revenues of his whole empire for seven years would not suffice for the purpose he gave up the idea in great disappointment.

The pagans of Egypt, Syria, Iran and Arabia who were influenced by the Sun-worship and the

Buddhism attributed to Christ what Jesus had never claimed and had never taught. ✓

✓ The result was that the simple religion taught by Moses and other prophets of Bani Israil instead of being reformed by the teachings of Christ, was complicated by the introduction of a new philosophy of Trinity of God—the Father, the Son and the Holy Ghost. This philosophy not only degenerated the ideas of mankind as against everything scientific but became the cause of great troubles and bloodshed to which humanity was subjected for centuries.

St. Paul who had never seen Jesus gave him attributes which St. Peter who had seen him never gave.

A simple man was created into the son of God—nay by some, who were in reality idolaters, the God Himself. It was taught that the Infinite, the Omnipotent Being, had adopted the perishable, limited and powerless shape of the meek person—Jesus—who could not defend himself against the traitors and his enemies.

The principle of redemption was introduced which laid the foundation of all horrors and bloodshed which has been committed by the Christian world under a belief that all their sins have been forgiven by the crucifixion of Christ.

And to the...

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✓ To correct this misconception and drive the false ideas from the minds of the people the Quran has given **قل هو الله احد**: Tell the people—God is Unit. ✓

BUDDHISM

✓ Sidharatha, better known as Gautam Buddh, though he was married in his young age, left his wife and thus encouraged celibacy like Jesus Christ. In this respect his life could not be the ideal life to be universally adopted. He could be admired but could not be followed. ✓ *unmarried life*

✓ Philosophically he taught that the soul returned after death into some other body and was thus rewarded or punished as it came in the body of good or bad, wealthy or poor person. This according to him continued until a person in his lifetime developed in himself a will-not-to-live and freed himself from all desires to be reborn and thus obtained 'Nirvana'. At this stage the soul having no desire left to live in the world did not reincarnate but remained free as soul. He did not teach as to what happened to the soul after 'Nirvana.' He taught his disciples not to bother about it as in his opinion the highest ambition of a man should be to free himself from a continuous chain of rebirths. Individual souls enjoyed full peace after becoming free from reincarnations. He did not

believe in the Universal Soul or Power. He started on the presumption of the principle of reincarnation which was the prevalent belief among the Brahmins but did not believe in the Universal Soul in which they believed.

These theories were impracticable and cannot stand a scientific test.

Punishment to the soul by its returning in an inferior position without any knowledge of the previous life could not appeal to anybody who used his intelligence. To a worldly person who did not know anything about his just preceding life it was neither a proper threat nor a sufficient temptation to abstain from bad deeds or do good.

Another pertinent question which arises out of this theory is whether the soul of a person is transmigrated to another body just as it leaves the body or it wanders for some time. If it is transmigrated at once then it means that conception for birth of the new body must take place simultaneously at the time this soul which is intended to go into it is released from the body it is occupying. In other words the death of the person must coincide with the conception in the womb of the mother who is going to reproduce this released soul as according to Hindu philosophy the birth is

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considered from the time of conception. Now the question is: Who arranges this?—Who makes a man and a woman unite to cause conception just in time when this man dies whose soul is to be transmigrated? The power which makes this arrangement must have a complicated and arduous work to perform. Is this controlling authority an intelligent Being or is it performing its duties mechanically? But Buddha did not believe in the Being who could control souls. ✓

Do these liberated souls reincarnate within the same country or over the whole world? ✓

It is a matter of common occurrence that sometimes very virtuous and good persons have wicked or bad children and very intelligent persons have foolish children. It is also noticed that some wicked persons are blessed with very virtuous children. ✓

Question arises as to why the virtuous father be punished by having a wicked child and an intelligent father with a foolish child, and why should a wicked father be blessed with a virtuous child and an unintelligent father with an intelligent child? ✓ If it is a punishment or reward only to the transmigrating soul, then why the punishment or reward should fall on the undeserving parents? ✓

If the idea is that the soul does not incarnate.

simultaneously with the death of the body from which it is released, then the soul must stay at some place. ✓

✓ What is the place where it stays? Has it any option to choose its time of rebirth or its new parents? If it has, then why should it not choose the best after becoming acquainted with the defects of its previous life? Will it know what life the body which it incarnates will lead in the world? If it has no knowledge of the future then who arranges to send it to good or bad body?

These and many questions arise to which no satisfactory answers can be given which may stand a scientific or philosophic test.

The net result seems to be that even to give effect to the theory of Nirvana there should be some controlling authority which must be all-intelligent, all-powerful and present everywhere.

JAINISM

✓ Another philosophic religion which believes in the eternity of matter and of nature teaches its followers to a great extent the same principles as Buddhism of transmigration of soul. Darwin's theory of evolution also finds place in Jainism but according to it the Karma is constantly making changes in evolution or degradation in rebirth of persons as

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man beings or lower species like animals, etc. According to Jainism this process has always existed and will always exist. There has been no beginning and there will be no end. Jainies do not believe in God but in Nature. ✓

They follow the principle, "Don't kill and don't damage any living creature." They believe that if they kill any living creature they will be reborn in that shape next time. Their ethic is not mercy to avoid a degradation in the next birth. ✓

This principle was enunciated when it was not known that the plants also have life and that the seeds in plants and fruits have millions of germs which have life.

Again the question of the creator of 'Nature' remains and the objection to rebirths stands as in the case of Buddhism without being satisfactorily answered.

CONCEPTION OF GOD IN ISLAM

ISLAM

قادر مطلق

The conception of God in Islam as the Being Who is Omnipotent, Omnipresent, Omniscient, Unit, Undivisible, Unlimited, Ever Active, All-vigilant, the Compassionate, the Merciful, the Just, the True, the Holy, the Peaceful, the Faithful, Creator and Controller of all Universes, Nourisher, Sustainer, Destroyer, Remaker, Free from all desires, All-loving, Generous, Who has always existed and shall always exist, Who is not born of anybody and Who has given birth to none (like human beings) is laid down in many verses of the Quran.

Sura Fatiha ordinarily known as Alhamd (الْحَمْدُ شَرِيف) is essential for prayer for a Muslim and is recited in every Rak'at (رَكْعَت) of Namaz (prayer). Its first verse :

الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ * الرَّحْمَنِ الرَّحِيمِ * مَالِكِ يَوْمِ الدِّينِ
(Al Hamdo Lil Lahe Rubbil Alamin-ar-Rahman-ar-Rahim Malik-e-Yaumid-Din) means that the entire praise, i.e., even the word and idea of praise is entirely meant for God Who (1) is Rubbil Alamin, i.e., the Creator of all Universes (2) is Rahman, i.e., Who sustains and nourishes you

with His munificence by bestowing upon you blessings for which you have not worked, like the light and heat of the Sun, light of the Moon, the rain and rivers which help to grow food, fruit trees not sown by you, milk from the breast of mother, the intelligence to understand and master Nature, etc., (3) is Rahim, i.e., Who nourishes you by rewarding you many times more than your labour. If you sow a seed of a fruit like mango, orange, apple, pear, etc., He produces for you a tree which bears hundreds of fruits for many years. If you sow a corn of wheat a hundred corns of wheat are produced. Your labour is so liberally rewarded as makes your life easy and by thus amply rewarding you He nourishes you, and (4) is Malik-e-Yaumid-Din, i.e., Master having full power and suzerainty over the Day of Din. According to Muslim conception the Day of Din is the Day of Qayamat when everything after being destroyed will be recreated to answer the deeds performed in this life and everybody will be rewarded or punished after full justice. ✓

✓ It is obvious by the above that His attributes of (1) the Creator, (2) the Nourisher, and (3) the Destroyer, which have been separated in the Hindu philosophy by personifying three different deities—Brahma, Vishnu, and Shiva, are not only

present in the Unit God but these attributes have been greatly amplified *enlarge*

The Hindu conception of Creator by personifying Brahma and separating him from Vishnu and Shiva falls too short of Islamic conception.

Brahma being a deity becomes a limited entity with limited functions and powers, and the conception does not go beyond the creation of the world or even the Universe which we see and in which we live. Brahma has no authority over Shiva who has got power to destroy what has been created by Brahma.

✓ According to the Quran God Who is the Creator not only of the Universe which we see and in which we live but all the Universes which have existed before or are existing at present and will exist in future, is also the Nourisher and the Sustainer of the Universes and has full power and suzerainty over them for destroying and recreating them. ✓

The Hindu Vishnu is again powerless against other two deities and his functions do not give an elaborate idea which God's attributes of Rahman and Rahim give.

Shiva the destroyer has no power to recreate what he destroys. His function finishes when he

has destroyed. In Islam God has full power to destroy what He has created and has further power to recreate what He destroys.

Islam has thus not only gone far too ahead but has obviated and stopped the possibility of idolatry and God's attributes being personified.

Rubbil-Alamin—The Creator of all Universes. This phrase itself proves the message given to humanity through Muhammad (peace be on him) to be the Divine message.

Before the time of Galileo, the Universe was considered to consist only of the stars and planets which we see and the Christian missionaries gave out to the world that the milky-way was the passage to heaven through which souls passed while going to heaven. They did not know that it was the effect of the cumulative light of distant stars invisible to naked eye. Galileo's invention of telescope 336 years ago brought to vision the distant stars forming clusters in the milky-way and revealed to man what his naked eye could not see. Physical science began to make progress in spite of strong opposition of Christian missionaries which sometimes proved fatal to the scientist. It is not necessary to give details of these oppositions and their results in these pages.

Arabs led the world and made great scientific improvement in methods of observing heavenly bodies and calculated the obliquity of ecliptic (the obvious path of the Sun through the stars) and calculated with great precision the eclipse of the Sun and the Moon.

Ptolemy, who lived in the second century of the Christian era, in spite of evidence in his possession taught contrary to it that the Earth was stationary and a great outer globe in which heavenly bodies were fixed revolved and disbelieved what Pythagoras, the Greek philosopher had centuries before considered to be most likely that the Sun was the centre of motion and not the Earth. The theory of Ptolemy suited the Christian missionaries as the Earth according to them became the centre of the Universe where God descended in the form of Jesus. Any other theory against it would reduce the position of the Earth in importance in the Universe and thus the position of the redeemer. Therefore the persecution of those who dared teach that the Earth revolved round the Sun.

The first person in the Christian world who brought a revolution in thought was Copernicus, a Prussian German born in 1473. In 1507 A.D. he conceived the idea of Earth revolving round the Sun but could not publish it through fear of per-

secution. A brief account was published in 1540 and as he escaped what he had feared, a fuller account was published in 1543.

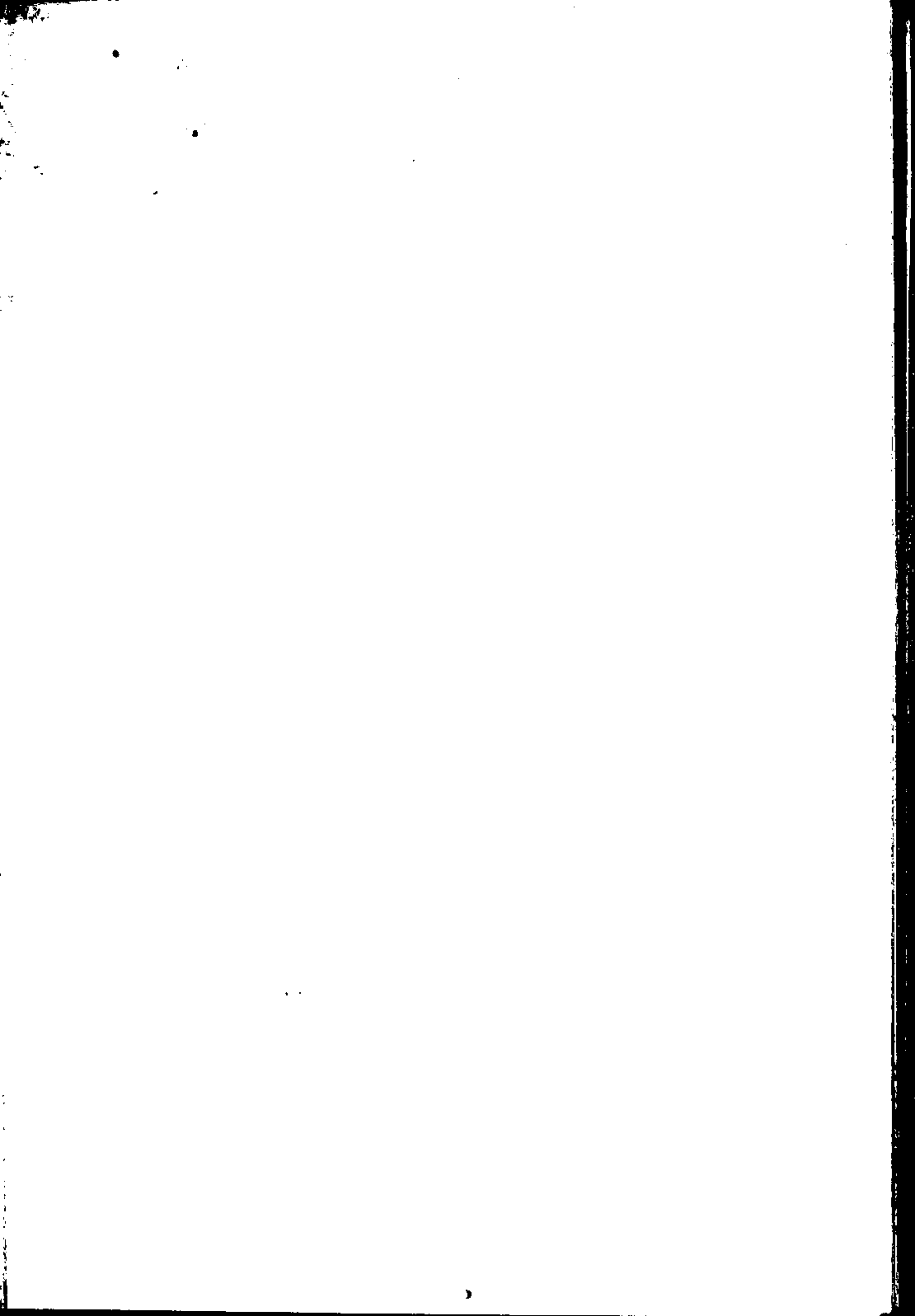
He was followed by Tycho-Brahe who was born in 1546. He devoted his energy in making exact observations of the position of heavenly bodies. His assistant Kepler, born in 1571, discovered the laws of planetary motions.

James Gregory invented a reflecting telescope.

Newton, a great genius, made many inventions and discovered laws of gravitation and proved to the world what they had never believed before.

Sir William Herschel made a 48" reflector telescope and saw Universes beyond our Universe. The great Nebulae in the Andromeda, the Orion and other constellations were discovered.

The galactic system comprising of a big circle seen as milky-way consisting of millions and millions of stars as the outer part and all other stars including the Sun visible to eye with the help of the telescope of Galileo was our Universe. It was considered that nothing existed beyond this system. Its shape is something like a motor-car wheel with oversize tyre and bulging in the centre of the wheel like a flattened globe. The milky-way consists of stars situated where the tyre is. Inside the rim of the



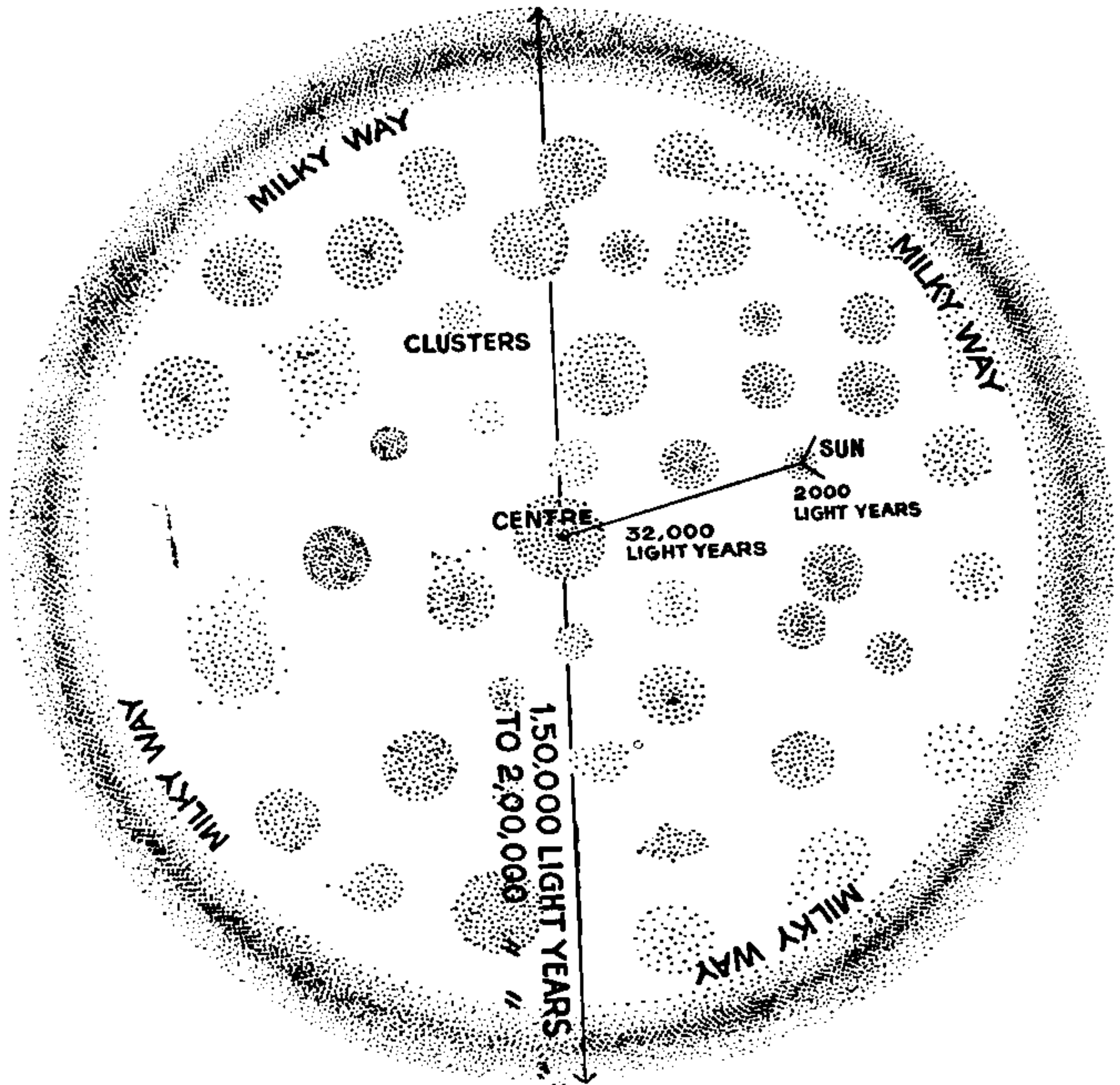


Fig. A—GALACTIC SYSTEM

wheel scattered everywhere are clusters of stars. Our Sun belongs to a cluster of stars which is situated somewhat away from the centre of this wheel.

It is necessary to give to the reader an idea of the insignificance of the world in which he lives by giving the dimensions of this circle called galactic system of which our Earth forms an infinitesimal part.

It is known to everybody that light travels at the speed of 186,000 miles per second and therefore it reaches us from the Sun which is about 9 crores 28 lakhs miles from us in about 8 minutes. As compared to the distance of the Sun from the Earth the distance of the solar system, i.e., the diameter of the orbit of the most distant planet of the Sun and meteor is so big that the light travels in 11 hours from one end to the other. The light at this speed takes more than 4 years from the nearest star. The journey across the local cluster of stars in which the Sun is situated takes 2,000 years, that from the Sun to the centre of the wheel called galactic system takes 32,000 years, whilst to travel from one end to the other of the whole galactic system about 150,000

years are needed.* (See Fig. A.)

The reader can now make an imagination, as he cannot calculate in miles of the vastness of this Universe called galactic system surrounded by milky-way.

When we calculate the distances even of those stars which form a cluster with our Sun we are unable to put them in figures which are meant only for the use of our worldly requirements. The diameter of our Sun is 866,000 miles and his circumference on the equator is about 2,721,000 miles.

*The reader ought to know the difference between planets and stars. Planets are those heavenly bodies like our Earth which revolve round the Sun. They are cooled masses of matter somewhat like our Earth. They have no light in themselves but reflect the light of the Sun which falls on them. They are as counted from the nearest to the Sun (1) Mercury, (2) Venus, (3) Earth, (4) Mars, (5) many small planets called asteroids, (6) Jupiter, (7) Saturn, (8) Uranus, (9) Neptune and (10) Pluto. (See Fig. B).

Mercury and Venus are situated between the Earth and the Sun while other planets are further away from the Earth. Asteroids are so small that they are not visible to the naked eye though they revolve between the orbits of the Mars and the Jupiter, while Uranus, Neptune and Pluto are so far from the Earth that they are also not visible to the naked eye. Moon is not a planet but a satellite of the Earth which revolves round the Earth and moves on with the Earth when she revolves in her orbit.

The stars are illuminated bodies like the Sun. Some are found to be in gaseous state, others are in liquid condition. They are very hot and many of them are much bigger than our Sun. A summary description of them may be made at the proper place.

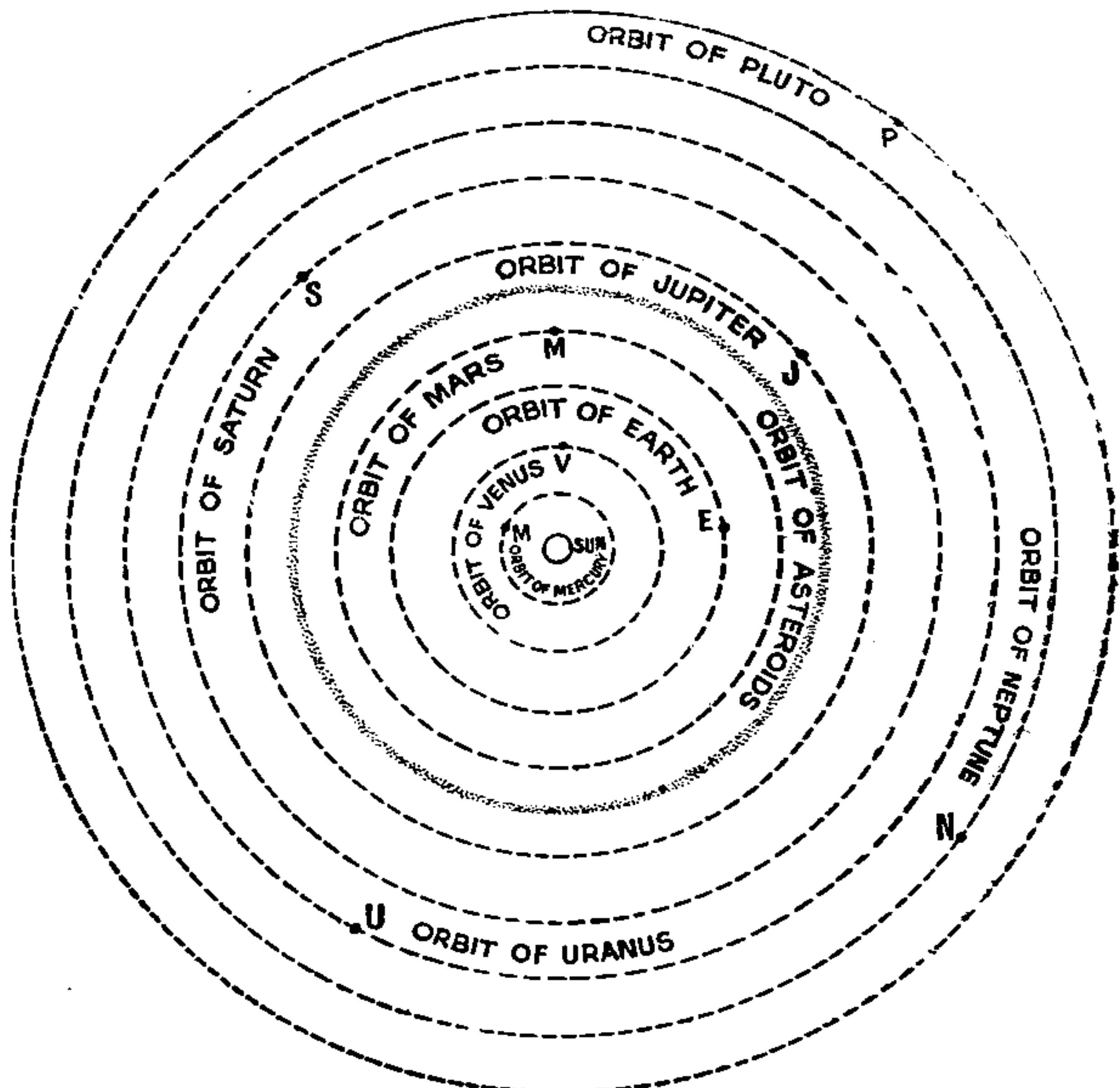


Fig. B—ORBITS OF SUN'S PLANETS
Not in Scales

Now compare the size of the Earth which has got a diameter of about 8 thousand miles and circumference round its equator of about 24 thousand miles. The light as well as electricity which travel at the speed of 186,000 miles per second make about 7 circles round the Earth in one second. Earth's circumference is 24 thousand miles and the average height of a man is 5'-7", i.e., less than 6 ft. How insignificant we are as compared to the Earth but when we compare our Earth round which light travels 7 times in a second with the size of the galactic system across which light takes 150,000 to 200,000 years to travel, we begin to realize our insignificance in our Universe.

Even if we do not go to such a big thing as galactic system but go only to the local cluster of stars, consisting of thousands of stars of which Sun is one, across which cluster the light travels in 2,000 years, our Sun with his planets and whole solar system through which light travels in about 11 hours only becomes insignificant. Here again let us compare our Earth and ourselves.

Man has been considering himself to be something very important and certainly he is on the Earth but his Earth has no more value in the galactic system than a fly has on the Earth, as a matter of fact not even so much. When the Earth

as a whole which is 24 thousand miles in circumference is so insignificant then what can be the value of a man who is only less than 6 ft.? This is our position in our Universe but since the invention of telescope we began to see nature beyond our galaxy. The 100" telescope has revealed to us more than 2,000,000 such Universes scattered far out in space. They are at present considered to be Nebulae as they are so distant from us that the light which comes from them seems to be coming from a unit just as the light coming from millions of stars in the milky-way appears to be coming from a sort of cloud of light. The method which the scientists have adopted for measuring distances of these far-situated objects is through the rays of light. The white light of the Sun we all know is composed of seven such colours as are visible to us as well as others which are not visible to our naked eye. Light of each colour has a wave length and the scientists have invented instruments by which time taken by rays of different colours in travel is measured. This method is called spectroscopy.

In these pages it is not necessary to go into the details of scientific inventions as it will tire the reader who may not like to know them. For those readers who would like to gain further knowl-

edge on the subject, books on astronomy and cosmology are available.

We find that the so-called Nebulae which are situated at such a long distance that light travels from some of them to us in about 200 million (20 crores) years are so big clouds of light that light travels from one end to the other in case of many of them in about 150,000 years, which means that each of these Nebulae is about as big as our own Universe of galactic system. Each Nebula appears to us in the telescope at the most as big as a coin and we consider it to be in the nebular state. As a matter of fact they are Universes like our Universe scattered out in the space at such distances that the science has not been able so far to understand their true nature. The great Nebula which is seen through the constellation of stars known as Andromeda when photographed and enlarged revealed many clusters of stars which on account of great distance appeared to be one continuous light. The distances between different stars in a cluster are so great that they cannot be counted in millions of miles but their light reaches us in cumulative form and the whole cluster appears as one star and all clusters appear to be so closely situated on account of great distance that all clusters taken together appear to be one Nebula, i.e., a cloud of light. Our

science has not sufficiently advanced, so much as to disintegrate or divide into different colours the light coming from long distances as we disintegrate the white light of the Sun by passing it through a prism, i.e., a three cornered crystal.

The scientists have manufactured a telescope with a 200" reflector in America and expect that objects situated at a much larger distance than what we have been able to see will be revealed to us and through it we will gain a greater knowledge of the heavenly bodies than we have got at present.

The whole object of the preceding paragraphs is to give to the reader an idea that there is not only one Universe in which we live but thousands of Universes like ours which we see and in which we live. ✓

The science and the world has started gaining knowledge in this direction since the invention of telescope by Galileo. It has also been shown above that the Christian missionaries were deadly opposed to any idea of our small and insignificant Earth not being the centre of the Universe and could not reconcile themselves to the idea of the existence of other Universes. All other religions and religious books are silent on the subject.

It is the glory of Islam that the unlettered Prophet describing God, in the very first line of the first

verse of 'Quran', calls Him the Creator of Universes (رب العالمين Rubbil Alamin). People who lived before the scientific discoveries of so many Universes could hardly understand the importance of the words used in the Divine message given more than 1,362 years ago and about a thousand years before the invention of the first telescope (1609).

The science has come to prove what arguments could not, and has established the truth of the teachings of Islam that God is the Creator of Universes and not only of the Universe in which we live.

Further researches will prove that Universes have been created, destroyed and recreated by Him and the process will continue till He pleases and will thus prove Malik-e-Yaumid-Din مالک يوم الدين.

Construction of the Universe. To go into the question of destruction one has to understand first the construction of the Universe.

Everybody now understands that in our solar system the planets revolve in their orbits round the Sun. The Sun is the nucleus in the centre and his force of gravitation and attraction keeps the planets go on revolving in their orbits instead of their running away into the vacant space and not return again. Everything has got the power of attraction and exerts force on other things to pull them towards itself. The bigger the body the greater the

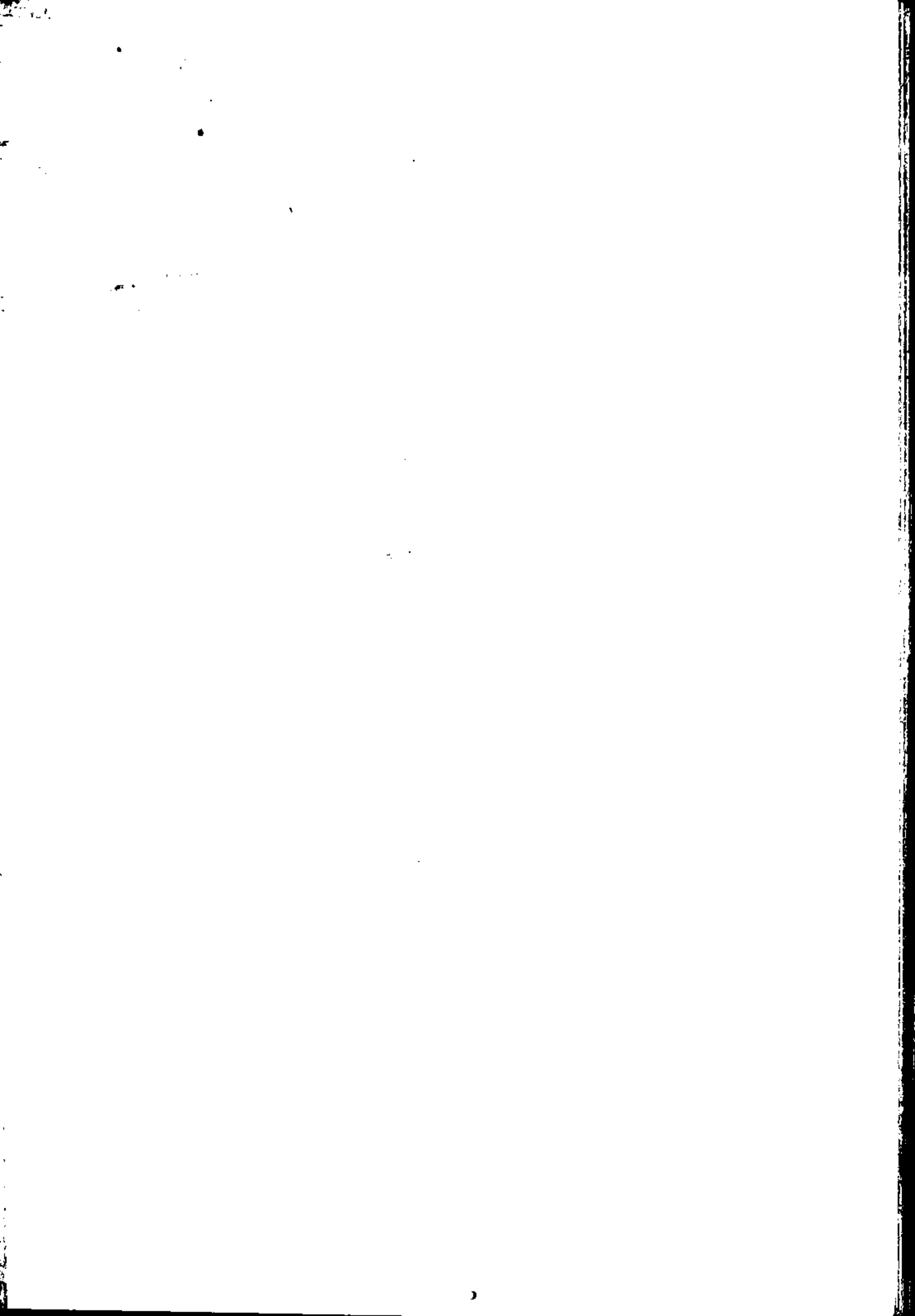
power of pull, therefore a bigger body exerts greater pull on the smaller body than the smaller body does on the bigger just like two persons or two teams in a tug-of-war pulling each other. The powerful side succeeds in pulling although both sides exert in opposite directions. In the same way our Earth and other planets exert their pull on the Sun while the Sun which is hundreds of times bigger body than all planets put together exerts his pull on them.* This stops the planets running away in straight lines as the Sun is constantly pulling them towards him which makes their motion in circle as the force bends the path.

It is not necessary here to explain the laws of motion but it will not be out of place to mention the law of gravitation discovered by Newton which is :

Every particle of matter in the Universe attracts every other particle with a force directly as their masses, and inversely as the square of the distance which separates them.

By this law Newton discovered the attraction of the Earth on the Moon and calculated it to be as much as to make the Moon fall 0.0044 ft. per second towards the Earth. Distance of the Moon

*Mercury, Venus, Earth and Mars combined together are as big as Saturn and all these including Saturn combined together are as big as Jupiter. While Sun is 1,300 times as big as Jupiter.



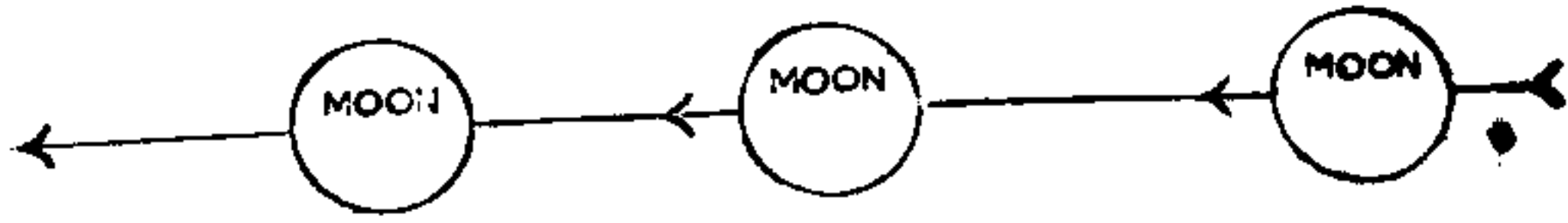


Fig. I

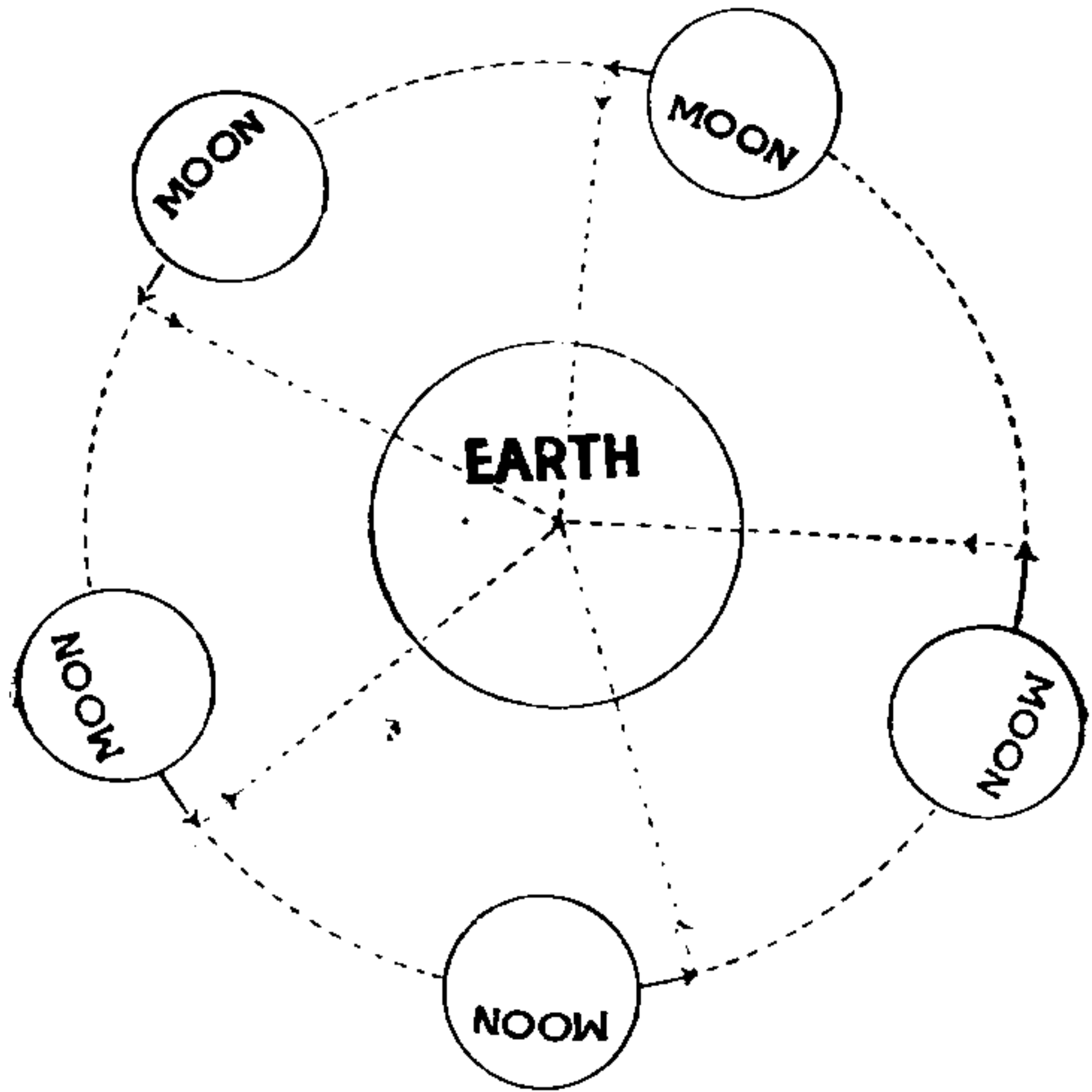


Fig. II

from the centre of the Earth is 238,857 miles which is 60.27 times the distance of the centre of the Earth from the surface of the Earth. Actually a body at the Earth's surface falls 3,632 times of 0.0044 ft. which is the Moon's fall in her orbit. 3,632 is the square of 60.27 (i.e., $60.27 \times 60.27 = 3,632$).

Thus the Moon instead of running away as in Figure I describes a circle as in Figure II.

Thus it will be clear to the reader that the planets revolve round the Sun on account of the force of attraction exerted by the Sun after subtracting the force which they themselves exert on the Sun. The effect of the two pulls is not only the motion in the orbit of the planets but also revolution on the axis. Our Earth rotates on her axis in 24 hours but makes a round in the orbit in a little more than 365 days.

It is not only the planets and Moon which rotate on their axis but the Sun also rotates on his axis. The rotation on axis of the Sun and the Moon was not known to the world till recently but in the Quran we find *والشمس تجري لمستقر لها ذلك تقدير العزيز العليم* i. e., 'the Sun rotates on his axis which is according to the law laid down for him.' Again by this verse we find a scientific truth described so early as the beginning of the seventh century of the Christian era.

The Sun rotates on his axis in 26 days time and makes a revolution in his orbit taking all his planets and their satellites with him in 25 crores of years; just like the Earth is revolving round the Sun along with the Moon in 365 days.

While describing this journey the Sun with the whole solar system is running at a speed of 700,000 miles a day towards the beautiful star Vega, in the constellation of Lyra, next to the constellation known as Hercules which is visible in the North-East in the evening during the summer.

Therefore we see the following obvious motions of the Sun ; (1) rotation on axis, (2) revolution in orbit, and (3) his motion towards Vega. The Earth makes an extra motion, *i.e.*, (1) rotation on axis, (2) revolution in orbit along with the Moon, (3) moving with the Sun in his orbit, and (4) moving with the Sun towards Vega.

The Moon makes all the motions which the Earth makes and also one more, *i.e.*, her revolution round the Earth. It is now practically certain that the local cluster of which our Sun is one of thousands of stars is making a revolution with all its component stars just like the solar system. Then we find the big wheel called galactic system rotating with all the stars and their attendant planets, satellites, comets, meteors, etc., on its axis in 30 crores of

years in the same manner as the Sun, and is revolving in its orbit which science has not been able either to calculate or understand. It has, however, been ascertained that all Universes which we have been able to observe through telescope are running away from one another at a tremendous speed of thousands of miles an hour.

Probably the 200" telescope will be able to reveal some central body round which these Universes are revolving which must be bigger than all of them combined together just as our Sun is bigger than all his attendant planets put together. This process may still go on further and that bigger central body of all Universes may still be a component part of a still bigger system.

This was the brief description of bigger side. Let us now go towards the smaller side.

The reader might be aware, of the fact that so far as science could discover, there are only 92 elements present in the world of which all things are composed. An element is that single matter which is not composed of two or more substances and however you may divide it or subject it to a scientific process, you are unable to decompose it to further parts. ✓ Among the elements there are many in the form of gases like hydrogen, oxygen, nitrogen, carbon, etc.; mercury is in liquid form, while gold,

silver, lead, iron, etc. are in solid form. Everything that we see consists either of one element or is a compound of two or more elements. For instance, water is a compound of two elements, hydrogen and oxygen, both of which are gases. When they combine in the proportion of one atom of oxygen and two atoms of hydrogen, a liquid which we know as water is formed. Our air consists of oxygen, nitrogen, hydrogen, carbon and many other gases and a supply of these elements is thus present in large quantities for the formation of those substances for which nature requires them.

There is nothing in the world whether in the form of hard or solid substance or in liquid or gaseous condition which is not made of one or more of these elements. Soil, stones, trees, dry wood, water, insects, animals, birds, human body, etc., whatever we see consist of one or more of the 92 elements.

Atom is the smallest part of every element beyond which an element cannot be divided. This division in ordinary method is not possible but scientists have been able to divide an element into its component parts chemically and have discovered that every element is a collection of similar atoms joined together.

When two or more atoms join together they form a molecule. In composite substances it is the

molecule which forms the lowest divisible part to retain that form. For instance the smallest part of water is its molecule which is made up of two atoms of hydrogen and one atom of oxygen. If we subject it to further division it will not remain water but will split up into two gases of which it is composed.

Thus we find that every element is really a combination of atoms joined together. Atom could not be divided further to retain the shape of a substance, but when divided further was found to consist only of electric charges. A positive electric charge in the centre forming nucleus and a negative charge called electron revolving round the nucleus at a great speed.

It is known to the students of elementary science that by rubbing two things electricity is generated in two different forms called positive and negative electricity both of which are equal in charge. When positive and negative electricities come in contact in equal strength they rush towards each other and combine. After their combination the energy does not exist in the shape of electricity but adopts some other form. If you rub the palms of your hands against each other heat is generated but at the same time positive electricity on the surface of one and negative electricity on the surface of the other

is generated. The same thing happens in clouds. When a cloud charged with positive electricity comes near the cloud charged with negative electricity both the energies rush towards each other. This rush of energy is so powerful and swift that it causes sparks in the atmosphere and causes a disturbance in the air which produces thunder.

An electron when it revolves round the proton in an atom it is so much at a distance compared to its power that it cannot combine with it and discharge. An atom itself is so small that we cannot see it even with the most powerful microscope invented so far. The space between an electron and proton is so very small when we judge from our standard of measurement that we do not take it into account but when we consider with the standard of the size of the electric charge itself it is immense.

The electron revolves round the proton in the same manner as our Earth and other planets revolve round the Sun. In one case the space between the Earth and the Sun is very big as compared to our size while in the case of an atom space between electron and proton is so small when compared with our size and our power of vision that we cannot see it even with the help of most powerful instruments in our possession. But a far greater portion of

space is empty between them than the portion of the space occupied by these electric charges.

The reader will ask the question that if all atoms are nothing but positive and negative charges, then why different shapes and qualities of different elements?

If the positive charge is of, say, one unit, then only one electron which is the negative charge of the same strength revolves round it and acquires the shape of hydrogen as gas. If the positive charge is of two units, two electrons revolve round it in different orbits and these atoms combine together to form the appearance of Helium. In the same manner an atom of gold has 79 electrons and the same number of protons.

Atoms of all the elements are nothing more than charges of positive and negative electricity. The appearance and quality of each element is dependant on the number of electrons revolving round its nucleus consisting of protons.

It must now be obvious to the reader that the entire matter which we see composing our Earth and the entire matter surrounding our Earth in the form of our atmosphere and the entire matter in the whole cosmos is nothing but charges of positive and negative electricity.

Molecules of elements are simple while the molecules of compound articles like trees, human bodies, etc. are complicated but they all can be reduced to different atoms of elements composing them. In their turn atoms can be broken into positive and negative charges of electricity. When the two forms of electricity come close enough an electric spark is produced and the energy which exists in the shape of positive and negative electricity and is capable of performing action on account of these two forms of energy having a tendency to rush to each other and combine at once changes shape and is released. The result of this release of energy which acquired the form of positive and negative electricity in an atom is that no longer the electrons revolve round protons and the form of matter which they had adopted disappears and the whole matter vanishes into nothing but energy.

In the case of compound articles the disintegration starts by splitting it into elements and then elements break causing the two forms of electricity disappearing into one form of energy only and thus the disappearance of matter. Take a piece of wood for instance and burn it. A portion of energy which has been confined in the shape of wood escapes in the form of heat energy another portion as radiation or light energy, third portion as carbon in the shape

of smoke and a portion becomes charcoal if burning stops ; but in case the process goes on then the last portion left behind is ashes. A further disintegration of carbon and ashes can further release the energy which takes these forms.

We generally hear the word 'Nature.' In ordinary language we understand by this word the matter as it exists in the form in which we see or feel and the laws governing for the matter to acquire these shapes. Scientifically Nature can mean chemical and physical processes going on, on account of the exertion of energy when it changes one form from the other.

A child grows up in its mother's womb through a chemical process which goes on there by destruction of one matter for the supply of other. Take your own body for instance and you find the food which you eat changes its shape through a chemical process. A portion of it becomes blood which by its circulation gives you life.

If you examine anything whatever you like you will realise that it is undergoing a chemical change all the time and is changing its shape. In some cases we notice the change easily because it is quick while in other cases we do not notice it so easily as it takes a long time. For instance, in a plant or a worm or an insect which have short lives a change is easily

noticeable. A plant grows quickly, flowers and then withers and then dries and then is disintegrated and the remnant ashes are the only thing left for us to see. But a stone is not so easily destroyed. It takes ages for the stone to change. Water and air cause chemical effect on the stone though slowly but if you subject it to heat you can bring a change quicker. It is a matter of everyday occurrence that cement and lime are made of a certain class of stones by burning it.

We further notice that the sea-water evaporates owing to the heat of the Sun and when this gas in which shape the water has turned becomes a little cooler it condenses into the shape of clouds. A further cooling again turns the gas into liquid water. If the cooling effect is excessive further condensation turns it into hails which after dropping on the Earth again turn into water by heat. Thus the water comes from the sea to the land in the shape of clouds. A portion of this is absorbed in the land to cause chemical and physical changes while the rest flows back to the sea through rivers.

These changes and rechanges which are going on are called Nature and they are subject to certain laws.

But we are accustomed to notice the laws of Nature in respect of our Earth only which I have

explained has not the significance of a fly when seen in respect of our own galaxy or Universe and has not the value of an atom even when seen in respect of cosmos, *i.e.*, all Universes which exist. Thus the changes wrought in different elements for the purpose of combining and recombining with one another or several of them with the other and the laws governing these changes are called 'Nature'.

These laws, it is obvious, have not come into existence by themselves but must be the result of some other laws governing the formation of elements themselves which in their turn must be subject to the laws governing the energy to acquire the shape of positive and negative electricity.

Science has not been able so far to discover as to why 92 elements only exist ; nor the scientists have been able to discover the laws under which different number of electrons started to revolve round the same number of protons only in 92 different proportions to acquire the form of 92 elements.

They have not been able to find out the laws under which energy changes its shape into positive and negative electricity. We have not been able to discover the law which can tell us as to why the energy acquires these two forms of electricity, as

to why they combine with each other and as to why after combination they again lose their identity.

For the purpose of these pages it is not necessary to go deep into the question of metaphysics or into the unexplored realms of science.

PRINCIPLE OF REVOLUTION

I have shown above that one great principle is common to everything that exists from atom the smallest to cosmos (all the Universes taken together) the biggest. It is that "everything consists of a Nucleus in the centre and its satellites revolving round it."

In other words the whole cosmos as well as its all component parts and again their component parts and so on are subject to this great principle. We may further say that nothing could have existed in the present form if it had not been subject to this great principle. Or we may say that Energy would not have manifested itself in the form of matter but for this great principle.

A revolution of a thing cannot be without some force or exertion of energy either applied externally or inherent in the object itself.

A revolution causes a change in the form of the energy as according to the established scientific

principle energy cannot be created but only changes form.

A revolution of the electron round the proton in an atom, that of the Earth and other planets* and their satellites on their axis and round the Sun, that of the Sun on his axis and round his Nucleus, that of our galaxy on its axis and in its orbit round its Nucleus and of all other Universes in the cosmos on their axis and in their orbit is a mechanism with wheel in wheel something like a clock-work and is by friction in the energy which is pervading the space between matter and matter is causing a change in it to acquire two forms of electricity and is at the same time creating a magnetic field round the matter.†

The magnetic field exerts pressure and the two forms of electricity generated through friction when subjected to this pressure form atoms by protons attracting electrons round them. The formation of different kinds of atoms must be dependent on the pressure exerted on the positive

*All planets rotate in the same direction as the Sun and all move in their orbits round the Sun in the same direction. Every other body is revolving in the same direction.

†We know that a magnetic field is created surroundin a body round which an electric current passes. It is not necessary to explain this phenomenon in detail here. The reader if he takes further interest in this subject can read works on electricity and magnetism.

electricity to divide it into protons of different strength or charge. The same number of electrons are then attracted to this Nucleus to revolve round it and form an atom of an element. In the same way 92 elements are produced. One element combining with the other forms a new thing and so on.

It is thus the rotation of the big wheel of the cosmos down to the atom which is the cause of further creation of matter.

Simultaneously we see the destruction of the matter and the release of the energy forming it.

How many millions of tons of fuel are burnt every day and energy is released in the form of heat and radiation? How many tons of ammunition were being fired every day in the recent war and the energy stored in the gun-powder released? How much energy is released by a change in the form of one matter for another? How much energy our Sun is losing every day through radiation? All this released energy is losing its form of matter and is collecting in the space, i.e., the place not occupied by matter as between Earth and the Moon or Earth and the Sun.

This whole process of rotation and of creation and destruction of matter may be called bigger Nature of which the Nature described above may

be called a part only.

Now the reader will realise that there are laws in the Nature which govern the production and destruction of the matter.

In the same manner there are laws under which matter acquires different shapes by forming 92 elements and again the laws for the combination of one element with the other or with several and so on to give appearance to different articles. The functions of the Nature and the laws governing them though executed apparently mechanically are really the *designs of the Great Intelligence*.

COMPARISON OF INTELLIGENCE

Let us compare our intelligence with the intelligence of the Designer of these laws for the purpose of creation of different articles on the Earth leaving aside the big question of cosmos. My attention while writing this has fallen on the flower vase on my table. It has got carnation flowers in it. Some are white, some pink, some red, some maroon and some of still darker hues. They have all grown in my garden on the same plot at the same time but with different seeds. I see the branches of the plants out of which these flowers are sticking out to be all green and of practically the same colour and of similar shape. The flowers

have practically the same shape but are of different colours. The delicacy of the petals and the blending of shades in every petal is marvellous. Can a man understand the laws governing these plants and flowers? Can he understand the causes of blending of these beautiful shades and colours? A Rembrandt of Europe or a Mani or a Behzad of Asia might try to imitate them on a canvas or a paper but no scientist or physicist can even guarantee exactly the same colour by sowing the same seed. We have been able to understand the process of growing flowers and fruits but have we been able to find out as to why a flower or fruit grows in a tree? Have we been able to discover the laws as to why petals are so delicate and why so many colours are blended in them?

Science has been able to explain as to why we see different colours. It explains that when different rays of different lights composing Sunlight fall on any article some are absorbed in it and others are reflected which reach our eye. Science proves that light is projected in the form of waves some of which are long, others smaller and smaller. Sunlight is proved to be composed of seven colours which are visible to the eye which we see in the rainbow or by passing Sunlight through a prism. We always find these colours arranged in the same order. On one extreme

is the red colour and on the other violet. The wave-lengths of the red colour are longest while the waves of the violet colour are smallest. The colours produced beyond the two extremes are not visible to our eyes as the wave-lengths beyond red colour called infra red are too big for the retina of our eye while the waves of the lights beyond violet colour called extra violet or usually X-rays are too small for our naked eye. An article appears to us of a particular colour because it reflects rays of that wave-length which produce that colour for the sensation of our eye, and absorbs all other rays.

Even after understanding how different colours appear to us by the sensation created by waves of different lengths on the retina of our eye have, we been able to understand as to why and how have these different petals of beautiful carnations been made in such a manner as to reflect these different hues blended so nicely and so gradually as to defeat the hand and cunning of the best artist.

Then I look at the tender and delicate veins in the petals which supply the sap on which nourishes the petal. This sap must be of a very complicated nature as to make the petal in such a way that it reflects different shades of colour at the same time.

In the same way the tall deodar trees outside my room in my residence Rookville Lodge, Simla,

in this hot weather are a wonder when you examine them.

I will leave it to the reader to ponder over the question of the growth of trees like deodar. It grows on the hills on a bed of rocks. Its roots spread on the surrounding land, and though it may shoot horizontally in the beginning, owing to the nature of the place where it grows, soon takes a vertical shape. It grows tall always pointing towards the Zenith. Its roots are not deep but it is very tall and stands the great blasts of wind which blow on the hills which the deep-rooted trees of the plain will not be able to face. It is a wonder when you examine it closely.

When we dissect one of the most simple of living creatures, a frog, for the purpose of learning anatomy we realise the complicated machinery and wonder at the skill of its Designer.

For the purpose of further knowledge read a book on human anatomy. The tender veins which supply blood to different parts of the body, the functions of stomach, liver, spleen, kidneys, bowels, heart, brain, and eyes will give the reader an idea of the complicated nature of this wonderful machinery. Then you try to find as to how the bones and flesh are made and how the hair and nails grow. Even a thought without study is sufficient to give an

idea of the great skill of the Designer.

.. Can a mechanical process without the design of some great skill achieve the results which we find in the creation of all what we see? Can a man with all the knowledge which he possesses after having lived for more than 3 lakhs of years, according to scientific research, on the Earth produce any living creature? Can he make a person, nay, even an insect which may have life? Can he produce even a fruit without tree? Has the man been able so far to find or discover and remedy which may keep him alive for 200 years? This shows that in spite of the wonderful brain having been bestowed on him by 'Rahman' man has not been able to find out this *Preliminary secret of the 'Great Architect of nature*. This proves the very limited knowledge we have gained up to the time.

We have mastered the air and have flown high in materials much heavier than the air and have sent flying bombs and rockets and aeroplanes without men sitting in them for control. We have mastered the sea and have sailed against the waves and have dived deep for hours in the boats made of steel and other heavy materials. We have been able to listen without a moment's delay what is talked thousands of miles away and have been able to see a person or an article at a distance of thou-

sands of miles from us through television. We have dug deep into the Earth and have brought out hidden treasures. We have discovered elements which are very rare either in the form of gases or liquid or solid, whether existing by themselves or as a mixture with other elements. We have discovered that elements like Radium and uranium are constantly breaking up by discharging their electrons and are thus releasing great amount of energy which can be used for curing cancer and other malignant growths in our body. We have utilised the energy stored in an atom by breaking it and using the energy of proton and electron and have manufactured atom bombs. We have invented telescopes and other instruments by which we can see most distant objects in the space far beyond our Universe and can measure their sizes, speeds, colours and to a certain extent their nature and composition. But have we been able to create any living being, however insignificant? If it were the work only of the so-called 'Nature' we would have succeeded.

✓ It is thus obvious that the whole 'Nature' and everything that is being produced and destroyed is the work of a *Being Who* is not only Omnipotent but Omniscient also. His knowledge, His power, His skill is unlimited, infinite and beyond the conception of the limited power of understanding

and limited knowledge which we possess.

It has been explained above that we can now see more than two million Universes scattered far and wide in the space which are receding from each other at a tremendous speed. We have not been able to discover scientifically whether they are permanently receding or are merely oscillating as our life compared to the time which is required for even a single oscillation is very small. We have not lived since its discovery to see even one circle of Neptune which takes 165 years in its orbit round the Sun. Pluto was discovered so recently as 1930 while it takes 248 years to make one round in its orbit. This is our knowledge about the planets which form part of our solar system the size of which has been explained to be that light travels from one end to the other in 11 hours.

When our knowledge is so small even regarding the objects which surround us on Earth and is still less about the planets forming our solar system, how can we be expected to speak with authority about a star in the local cluster of which our Sun is one of the dwarfs? Still less we are expected to know with authority about stars which are still further situated from which light reaches us in thousands of years. Still further less about other Universes. We have not been able to see any

objects on the two nearest planets, the Mars and the Venus, owing to the atmosphere which surrounds them. We only conclude by the physical conditions as we observe on them that there must be life on them which may have advanced in intelligence like human beings on Earth but our knowledge does not go beyond that.

We have not been able to see any planets revolving round other stars on account of great distances as explained above. Therefore we cannot say whether planets surround other stars as they surround our Sun or not and are therefore unable to say if life, like the life on Earth, exists on other bodies or not. But there is every possibility that other stars have got planets on which life exists as on the Earth.

✓ Our knowledge about our own Universe does not go beyond seeing points of light which we call stars, their temperature, their size and colour.

We could not be expected to know their composition or internal condition when we do not know even the internal condition of our Sun which is so close to us that his light reaches us in about eight minutes.

But the light from the nearest stars Proxima Centauri takes more than four years to reach us.

The size of our galaxy and the distance of the Sun from the centre of the galactic system have been explained previously.

✓ Thus, it is clear that our knowledge is very little to appreciate and understand the work of the Great Architect. ✓

WHAT PERVADES IN SPACE AND ITS FUNCTIONS

The reader will ask a question, "What is that pervades the space not occupied by the heavenly bodies and the Earth?" The scientists formerly believed that it was ether which filled the space and penetrated the matter also. They thought that it was a substance somewhat like a jelly and it was the medium through which light and electricity travelled.

They are now discarding their belief in ether of that kind, while cosmic rays have been discovered. But they all believe that light rays travel in waves; and different wave-lengths produce different sensation which cause us to see different colours.

They also prove that electricity also travels in waves and we can receive these waves on our Radio sets. Different wave-lengths can be received by our instruments.

Now to have a wave there must be something in which the wave is produced and transmitted. It must be of the same nature everywhere otherwise by the change of medium the wave-length must also change and the speed and direction should also change in different mediums. But our scientists have discovered that light and electricity both travel at a regular speed of 1,86,000 miles per second. Instruments in their possession have proved this theory and on the basis of this theory they have been able to discover the distances of planets, stars and other Universes from us. They have been able to take photographs on very sensitive plates and through spectroscopic method to find out whether a star is going away from us or is coming towards us.

Therefore there is some medium which pervades the whole space comprising not only our Universe but the whole cosmos through which light travels. We may also suppose that electricity also travels through the same medium because the speed of both is the same. Einstein's theory of relativity has not been able to alter this deduction but on the contrary has confirmed it.

This medium is present not only between the Earth and other heavenly bodies but also penetrates through the most solid substances.

It has been explained that even in an atom a far larger space is empty than is occupied by protons and electrons. I need not go into the proportions of the empty space and electric charges in an atom for the purpose of this small book. But we all know that X-rays penetrate through our bodies and we get photographs of our bodies showing internal condition for the benefit of medical treatment. We also know that short waves can penetrate a piece of lead which is most solidly formed substance.

This proves that this medium is present everywhere whether we have been able to discover rays of such small wave lengths as may penetrate through a wall of lead of any thickness or not. Further investigations in cosmic rays will bring more knowledge.

This medium penetrates and is present in the space left between electrons and protons of every atom of everything and is sensitive to the motions of the electrons. All motions of an electron round the proton, which are in some cases very large (an electron travels at a speed of 800 to 12,000 miles per second), cause a disturbance in this medium and waves are transmitted throughout the cosmos. We have not been able and I do not know whether we shall ever be able to make a radio set which

will be sensitive to these vibrations and will be able to receive these waves.

MAN AS A RADIO SET

But man himself is a radio set made by that Great Architect and Builder of Nature and Creator of all that we see and that which we do not. As our radio sets differ in their power of reception so do men in their power of receiving these hidden messages.

Hypnotism and Mesmerism are now-a-days commonly known as powers exerted by one man over the other by exerting his will. Telepathy is also the name given to the phenomenon when the thoughts of one person are received by another. We see a faqir communicating his thoughts to his disciple and also reading thoughts of others. He is unable to explain this scientifically and is able to explain only that by praying to God with a concentrated mind he has been given these powers.

Scientific explanation is easy when we understand 'Natural Laws'. Every thought that is produced in our mind is the result of an agitation in the molecules forming our body and the atoms forming the molecules cause a disturbance in the medium which pervades everywhere as explained above. This disturbance produces waves just like the

waves of light or electricity and are received by another person who is like a receiving radio set while the person whose thoughts are received acts as transmitter.

It is through practice and purification of ideas that a faqir develops his powers as a receiving set and his powers of transmission to another person and also develops the power of making electric connections with objects at a long distance.

Telepathy is usually observed between persons having filial love. Mothers, sisters who love their children and brothers usually feel uneasy when their loved ones are not well. It is the electric connection caused by disturbance in the medium by thoughts of one which makes the other receive these waves. In this case purity is obtained through filial love.

If a man develops love for everything that has been created by God his powers of telepathy are developed in all cases as love for everything purifies his mind, and his thoughts are freed from envy, hatred, malice, falsehood, revenge and all other evil desires and thus the vibrations in all things are received by him.

Every man can develop his powers in this respect. But every man is not as good a machine

as the other is. Some men are gifted in one way while the others in other ways. Some have a very good memory and can recite any poem which they hear once but are no good in mathematics while others who are good in mathematics and have good reasoning power are found to possess such bad memories that they do not often recognise, or remember the names of, their own relations. Defect in one respect is made up in other ways. A blind man usually develops good memory because his thoughts are not disturbed by seeing objects round him. He also develops instinct of finding his way. Though his eyes do not see yet his heart gives him warning of an approaching danger, through the vibrations in the medium which pervades us.

Thus we see that persons have one defect or the other and are therefore not perfect machines for receiving or transmitting waves of all lengths. For reception they have to develop their power and then succeed in receiving waves of many different lengths. But God produces some very good machines who are perfect or nearly perfect whose minds vibrate with the currents in the 'Nature'. These people are chosen by the Creator to give His message to others who are not so gifted. God's messenger comes to teach the position of man in the Universe and his relation with his Creator. He receives all

Natural Laws through the waves in the medium. He is free from all those evil desires which pollute the mind and destroy powers of reception of all waves. He has love not only for humanity but for everything that exists. Such messengers have come from time to time. It is difficult to enumerate them in these pages but a few conspicuous names of these personages are very well known to all. Moses, Jesus Christ, and Buddha* were great minds and explained to the humanity around them Divine Laws as they received.

MOST PERFECT MACHINE

But in the history of the world we find the most perfect machine sent by the Creator to give His message not only to the persons who lived around him but to the whole world in the person of Muhammad (may peace be on him). This message was given not to remove any particular defect which had crept in the system of body politic but the message lays down for all times to come Laws which teach (1) a man's relations with his Creator, (2) his duties towards Him and (3) his relation with and duties towards human beings and other objects

*Some people consider that Buddha cannot be counted as a messenger from God on account of his teachings in which no reference is made to the all-pervading Power. He is given the position of a yogi who was lost in his thoughts.

created by the Creator. ✓

The details and principles are complete and perfect. He created a great revolution in the thoughts of the people by communicating to them what he received from the Creator. He was conversant with all that was happening in the Nature comprising the whole cosmos. Every wave that was produced in the great medium of transmission which pervades cosmos was received by this most perfect machine. He fully understood the Laws that govern the creation and lives of human beings and others and therefore communicated to the humanity those which are most suitable for regulating their lives without violating their instincts or natural desires. His own life is the model for all persons to follow in whatever position or society they may have been placed. ✓ He was born as an orphan and died as a great ruler to whom a big army of followers was attached not through fear, or temptation or greed, but by love generated in their minds by conviction of truth of his teachings. In all the intermediary stages from orphan to the ruler his life has been the model for all who are placed in one stage or the other in life. ✓

Great minds and teachers like Buddha and Christ could not present their lives as models for mankind to follow. One left the family life while the other

had none. One severed his connections with the worldly affairs altogether and the other had never entered in them. Their teachings are lofty but can be followed only by those who live an ascetic life like them. The human progress in acquiring knowledge of the Creator and the Universe and mastering elements and scientific research could never be possible if all people lived ascetic life and world would come to an end in one generation as far as human beings are concerned if all practised celibacy. ✓ God who is the Creator of mankind could not depute persons to advocate principles contrary to the laws laid down by Him for the production of His creatures. ✓

But the great model *Muhammad* (may peace be on him) presents all phases of life to follow. As an orphan, as a shepherd as a son, as a nephew, as father, as grandfather, as husband, as a citizen, as a neighbour, as a humanitarian and lover of children and orphans, as supporter and free worker for poor widows, and needy persons, as tolerant teacher never offending susceptibilities or beliefs of others, as conqueror, as forgiver of those who had persecuted him after they came under his power by his example of forgiving the people of Mecca who had ruthlessly persecuted him, as master of those who came to him as slaves by freeing them

at once, as a ruler and a teacher of good, which should be meted to those who differ from you in religion, when they come under your protection, by his own example, as the first giver in the world to the woman a right of full possession of property and inheritance from parents, sons, brothers and sisters and other relations; and in many other respects a model to follow. ✓ This great Messenger after receiving the message through the great medium of transmission from all-Powerful, all-Knowing, Everywhere Present, Unlimited, and Infinite Being gave the message which no one else had given before him. ✓

✓ This message was that all praise is due to God, besides Whom there is no other deity. He is *Unit and Indivisible*. He is born of none and has given birth to none, there is no sharer in His authority and that He is the Creator, Nourisher and Sustainer of all universes, and has full suzerainty over them and everything in them for destroying and recreating, He is Compassionate and Merciful, He is all-Loving and Forgiver of sins, He knows everything, He is nearer to you than your life-vein, He is all-Powerful, He is always Vigilant and Active. He is the Being Whom people should worship and should try to acquire His attributes in themselves by loving His creatures

and purifying their minds from all evil thoughts and evil desires. ✓

✓ *Rabbul-Alamin* was the new idea which was not taught by the messengers before him. ✓ He did not come like others to reform certain classes or communities but to deliver the message to the world as a whole for all times to come. Therefore all the mysteries of the cosmos were revealed to him by the Great Architect and Creator of cosmos through messages transmitted to him through the medium of transmission pervading everywhere.

EXISTENCE OF UNIVERSES TAUGHT

18½ CENTURIES AGO

People up to the time of Galileo, as explained above, could not know the nature even of the milky way and up to a century before the present time no scientist even thought that anything existed beyond our universe—the galactic system. It is only within the last and the present century that scientists have seen with their own eyes hundreds of thousands of universes, besides our universe, spread out far, far beyond in the space.

But the Messenger who knew the mysteries of all that exists from the atom and electron of the Maker forming our world to the most distant of universes, which we call Nebulae on account of our imperfect knowledge, ✓ gave us the message that God

is the Creator of all universes that have existed before, are existing now and will exist in future. What science has proved now was told by him more than 1362 years ago. In Sura Anbia' (Ruku' III) you read

او لم ير الذين كفروا ان السموات والارض كانتا رتقا ففتقنهما -
و جعلنا من الماء كل شئ حي ط افلا يؤمنون *

“Have those people who deny Us not observed that all Heavenly bodies and the Earth were lumped together in a heap of globular mass and We separated them and created all living creatures from water? Even on this they refuse to bring faith on Us.”

This verse proves two great scientific truths which were not known to the world till very recently. First is that the whole matter in cosmos existed in the beginning as one big Nebula which by rotation on its axis split up into millions of small Nebulae all rotating in the same direction. These Nebulae one of which is our galactic system, by further rotation divided themselves into parts out of which different stars were formed in clusters. These stars by the same rotation discarded matter out of which planets were formed. All Nebulae and our whole galaxy is rotating in the same direction. This fact that Earth originally formed part of one big mass of matter out of which all heavenly bodies have

come was not conceived by any scientist till recently. The other scientific truth contained in the verse is that all life originated in water.

It was impossible for an illiterate person living among the nomads and ignorant idolaters and having learnt nothing from anybody to give out these marvellous mysteries of the Nature unless he was endowed and gifted with the most wonderful brain which made him conversant with all that exists.

MALAEK

He fully knew the different powers created by the Creator by using which He sustains and controls—He destroys and recreates universes and all that exists in them and between them. These powers are given the name Malaek (ملائك) Of course conception of Malaek among some Mussalman, on account of many of them having been converted from Christianity, still remains as is of angels among Christians. As most of the Christians were converts from heathens and pagans they had brought their own ideas of angels as possessing human forms of little boys and big wings of birds while the heathen Arabs believed angels to be daughters of God before Islam!

These ideas are quite foreign to the teachings of the greatest and last Messenger of God.

He has taught that they possess no material form and that they are created to obey and execute the orders given to them by the Creator. This will be explained in greater detail at the proper place.

✓ *Rabbul-Alamin* (Creator of all universes) after creating sustains and nourishes you as He is also *Rahman* and *Rahim* as explained before. This He does until He will destroy you and recreate you on the day of Qiyamat or the day of Din. ✓

DESTRUCTION OF EARTH

The great Messenger has taught that Qiyamat or Destruction of our Earth will take place when the Sun will very suddenly come very close to the Earth and it will split up into small particles which will fly like cotton fibres.

Scientists were formerly thinking that the world is still young and would live millions and millions of years. To them the only possibility of world's end was that the Sun was losing 360,000 million tons weight every day and thus a quantity of energy and mass. This loss was causing the Earth to recede a fraction of an inch from the Sun every year or a metre in a century and thus making a bigger orbit. According to them in crores of years the time may come when Sun after exhausting his energy and mass will not be able to exert sufficient power of pull to keep the Earth revolving in orbit

CONCEPTION OF GOD IN ISLAM

which will thus run away into the space. Thus Earth losing the heat and light of the Sun will lose all life on her and will some day collide with another body and break.

When the end of the Earth comes, the whole solar system will break because before this fate falls to the Earth it must fall to all the planets which are further away than Earth from the Sun. (See Fig. B.)

But the new discovery shows that every star in its lifetime once reaches the 'Nova' stage. The Nova or new stage is when a star suddenly becomes much brighter than it usually is and remains shining so brightly for some days or months and then returns to its previous state. A star of fifth or sixth magnitude becomes as bright as of 2nd magnitude or even of 1st magnitude.

This increase in illuminosity can be due to either the star coming nearer to the earth or its expanding in size. It has been found that it is really due to expansion in size and after contraction it resumes its former illuminosity or even less. It has also been established that our Sun has not yet reached this stage and is likely to reach it any moment. It is also known that when this stage arrives the Sun may expand so much as to reach our Earth within a few hours. The Earth then will melt owing to

heat in no time and her pieces will fly and then turn into gas. The Nova stage in our Sun may reach any day according to the scientists who find signs for it in the Sun.

This new theory is exactly what had been taught by him who knew the secrets of the universe without the help of the instruments and spectroscopic methods which have been invented after centuries' labour of thousands of persons and are the results of their cumulative skill.

When our Sun will expand so much as to absorb our Earth, other planets cannot retain their present position.

Mercury and Venus and our Moon which are between the Earth and the Sun will disappear even before the Earth. Scientists are not sure that the Sun will expand only so much as to reach the Earth or may expand to a greater size. If it expands to reach the Mars it will become only as big as the Betelgeus, the red star we see in the constellation of Orion in winter evening near the milky-way. This size is not uncommon among the stars as there are several as big as Betelgeus even in the local cluster of our Sun. Much bigger than Betelgeus is Antares. (See Fig. C). This giant star is in the centre of the curve of the Zodiac constellation known as Scorpius which is visible in summer

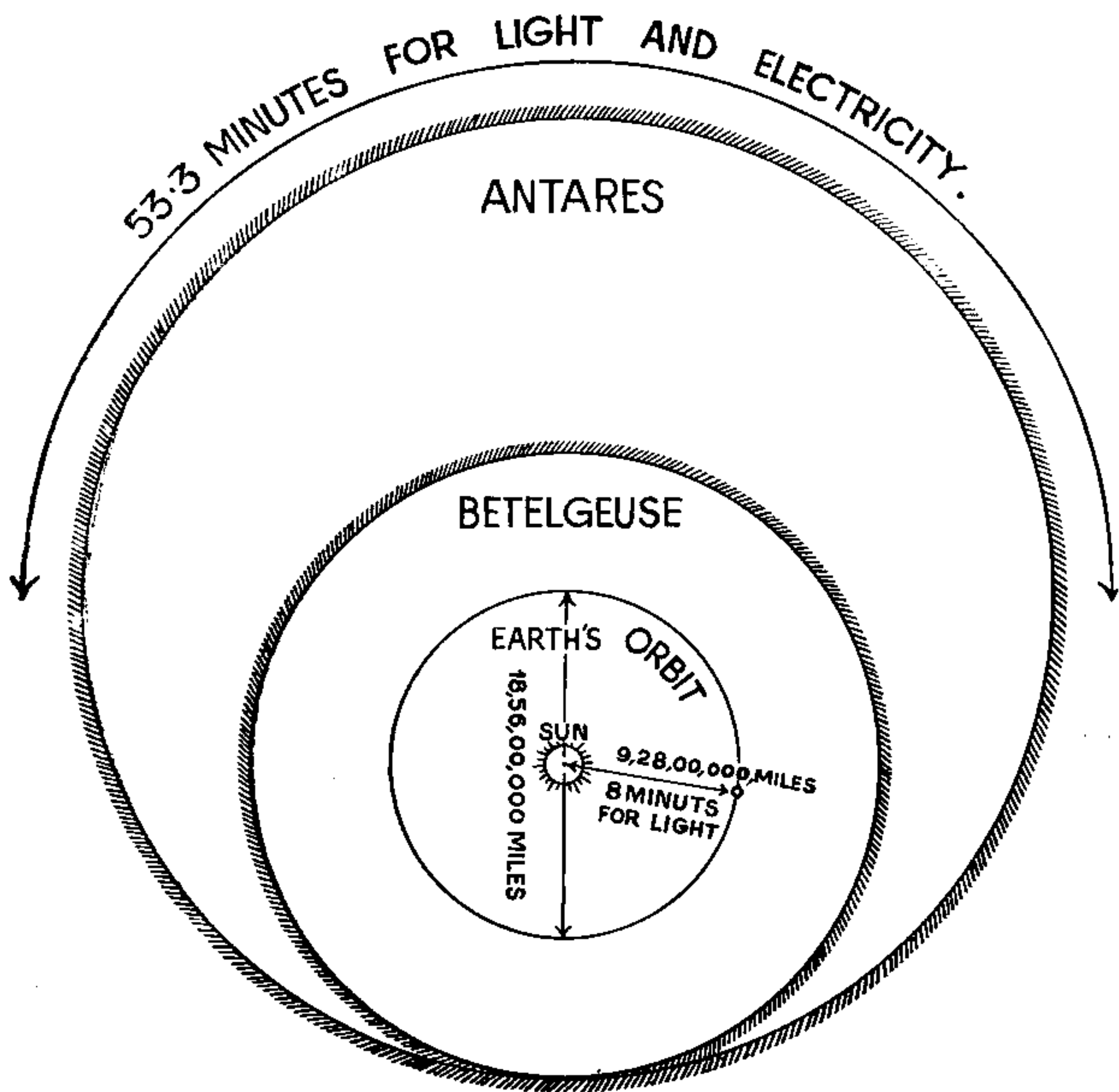


Fig. C.

evenings half way between the south-eastern horizon and the Zenith. This star is so big that light takes 53.3 minutes to cross half of its circumference while light takes only 8 minutes to reach us from the Sun.

In this case the Mars will also be attracted and will be absorbed in the Sun.

As regards other planets it can easily be understood that they cannot retain their present orbits or position. We know that according to the law of gravitation all things pull each other and we know that all planets pull each other and greatly affect the motions of each other in their respective orbits. They are held in their present positions and revolve in their orbits as a result of attraction of one on the other and the gravitational pull exerted by the Sun.

We also know that gravitational pull varies inversely with the square of the distance of the object. This means that if the pull exerted on the object which is at a distance of one mile is one unit then the pull will be reduced to $\frac{1}{4}$ th of the unit if the object is removed to two miles.

In other words, the pull will become 4 times stronger if the object comes half the distance.

Thus the effect of the Sun coming closer to

GOD, SOUL & UNIVERSE IN SCIENCE & HISTORY

the outer planets and the disappearance of the inner planets will be to upset the whole equilibrium, and the outer planets will begin to move faster in new orbits. A sudden contraction in the Sun will release them from their attachment to the Sun on account of faster speeds which they would have obtained. These planets will run away into the space and will one day collide with other bodies. The comets whose orbits are very eccentric and come very close to the Sun will all be absorbed in him.

This is a general idea what may possibly happen to the solar system. There are other possible results which may follow the expansion of the Sun. The Sun himself may be destroyed as the burning mass of matter expands and may become so rarified that it may not contract again as Sun but the matter forming the Sun may after cooling down form small bodies like Earth. The matter forming Earth may again unite and cool down to form Earth again.

Thus the whole solar system will be destroyed and may be recreated.

The question of the destruction of the universe will be dealt with under another chapter.

Science will further reveal the mysteries of cosmos and prove as truth what has been taught by

an unlettered person more than 13½ centuries ago. Modern scientific discoveries have proved that he was conversant with Nature and received messages from the Being Who is the Cause and Creator of all that exists when he called Him '*Malik-e-Yaum-id-Din.*'

CHAPTER II

PRAYERS OF MUSLIMS

AFTER the words that all praise is due only to God Who is (1) *Rabbul Alamin* (2) *ar-Rahman* (3) *ar-Rahim* and (4) *Malik-e-Yaum-id-Din* as explained above, the next words in *Sura Fateha* (سورۃ فاتحہ) are *Iyyaka نعبد و اياک نستعين* (*Iyyaka-Naabudo-wa Iyya-ka-Nasta'een*).

The meanings are—We worship (or obey) nobody else except Thee and crave nobody else except Thee for help.

That is a Muslim bows before nobody and craves for help nobody except his Creator and Nourisher as defined above. In other words, he has to depend upon himself and on his own actions which must be performed according to the Divine Regulations. If he acts on this principle he rises high in position and makes progress in worldly and spiritual affairs and does not lower himself by cringing and degrading himself for the purpose of seeking favours. He will go with his head high and self-respect entirely depending upon his own merits. He will come to the help of all who will need his help as God's creatures. He will not believe in the redemption of

mankind through the shedding of blood of God's son as he will not believe that his Unlimited, Infinite, all-Powerful, all-Knowing, free from all desires, God would give birth to a son who will have the form of a meek, powerless and perishable person. His redemption will depend on his own acts. He will speak to God without the intercession of any other soul or person. He will never tell a lie or be afraid of the consequences of telling truth as he will realize that God is present everywhere. He will not entertain malice, hatred, envy and other evil thoughts as all his thoughts produce vibrations and waves in the all-pervading medium and are communicated to his Creator Who is the Creator of this medium also. He can never backbite as the Creator watches his actions. A Muslim can never act against the laws of Nature or commit sins or break law or violate the rights of others once he reads and understands the Sura Fateha as he also prays to God that He should guide him on the path of those upon whom He had showered His blessings and should stop him from following the path of those upon whom His anger descended.

God showers His blessings on those who act according to the laws of Nature given to mankind through the Messenger and thus obey Him. He

showers His blessings on those who love His creatures and help those who are needy or are orphans, or are widows or are suffering. He showers His blessings on those who try to assimilate His attributes in themselves.

His anger falls on those who violate the laws of Nature. His anger falls on those whose actions are not guided by truth. His anger falls on those who are guided in their actions by malice, avarice, hatred, cruelty, revenge, enmity, etc. His anger falls on those who forget themselves when in power. His anger falls on those who in their licentiousness forget the Almighty :

فقیر آدمی او سلو نہ جانئیکا ہو وہ کیسا ہی : حسب فہم ر ذکا
جسے پیش میں یاد خدا نہ رہی جسے پیش میں خوف خدا نہ رہا

“O Zafar ! don't call him a man, though he may be possessed of intelligence and learning if he forgets praying God when he has plenty or has no fear of God when he loses temper.”

The history of the world teaches us that many nations who had risen to splendour and power on account of their good deeds lost all their glory when they degenerated themselves by their actions and violation of Divine Laws which could not sustain them in their position.

✓ The Quran points out to the Muslims the fate of some of those big nations whose downfall was due to their violation of laws of Nature and bad deeds. The complete destruction of the people of Lot, and of the big nations like 'Ad and Thamud whose wealth, skill and glory is still witnessed by the explorer who visits the mountains where their dwellings were carved out of solid rocks, are mentioned.

Where are Pharaohs, Caesars, Kisras, Nimrods, and Czars? Where are the mighty empires of the Greeks, the Romans, the Persians, the Scythians, the Egyptians, and the Phoenicians? They all crumbled on account of their misdeeds. Fall of a nation begins from the date when the people comprising that nation begin to indulge in acts which are not liked by the Creator owing to the violation of principles laid down by Him. When they become selfish and ignore the rights of those who are placed under them, when Truth leaves their dealings with those over whom they rule.

One should take lesson for himself by the destruction and downfall of others. This is the reason why a Muslim is enjoined to recite in every Rak'at of prayers five times a day the Sura Fateha so that he may be reminded that he stands before God Whose conception as given above must come

to his mind and he tells his Omnipresent, Omniscient and Omnipotent God that he bows before no one else except Him and seeks help from no one else except Him and that he wants to be guided on the righteous path, i.e., the path of those on whom He showered His blessings and not of those with whom He became angry.

✓ Constant recitation of this with full understanding must guide the actions of a Muslim according to the laws of Nature.

When we realize that this Great Power which existed before the creation of anything and that this Power is all-Intelligent to create such wonderful cosmos consisting of so many universes and every universe consisting of so many clusters of stars, and each cluster with such a large number of stars and stars having their planetary systems like solar system, and satellites revolving round planets and planets having life on them ; further when we realize that all matter is composed of a collection of atoms and atoms are nothing but charges of positive and negative electricity which themselves are only forms of energy, and that the whole matter is rotating on axis and revolving in orbits, we just begin to get an idea of the Intelligence of that Power which has brought all this into existence

under symmetrical laws.

A Muslim stands before this Power and knows that he can neither mislead this Power nor can hide anything from Him. He realizes that he will have no face to stand before Him during the Namaz (prayer) of the next time if he violates any of the laws made by Him.

This Great Power is just and punishes those who offend against His laws but at the same time is merciful and forgives those who really repent and ask His forgiveness on the promise that they will not offend again. This means that in future all actions of the offender will be in accordance with the principles laid down by the Great Builder and not against those principles.

✓ To a Muslim, God is nearer to him than his life-vein and he finds himself constantly in His presence. He cannot, therefore, violate the promises which he makes so often every day.

His prayers are not like the prayers of others who pray when going to bed at night to be forgiven of all the sins that they committed in the day. Next night comes with the same prayer but day never dawns with a promise not to commit any sin.

A Mussalman is enjoined to say prayers five times a day, i.e., in the morning, just after midday,

In the afternoon, just after sunset and at night before going to bed.

Thus from the time he gets up in the morning till he goes to bed he is reminded of the way of life he has to live bearing in mind the presence of the Almighty before him.

It is not necessary to go deep into the philosophy of making it incumbent on a Muslim to say prayers five times a day in this small book.

It will suffice to say that a Mussalman has not merely to believe in the Unity of God but has to live a life consistent with that belief. This is regulated by regulations and rules which tend to make a man perfect if he acts upon them in proper spirit.

قل أعوذ برب الناس • ملك الناس • إله الناس من
شوالوسواس • الخناس • الذي يوسوس في صدور الناس •
من الجنة والناس

“O Prophet Muhammad, tell the people, ‘I seek protection of the Creator, the Master and the Suzerain of human beings to save me from the evil of evil thoughts which creep in the mind of man’.”

This is not the exact literal translation of the beautiful verses of the Quran quoted above. It is most difficult to render it into any other language

on account of the poetic beauty of the verse which makes it very difficult to translate it.

God has asked Muhammad to beseech Him as the Creator of human beings in this verse. This is the poetic beauty because the evils mentioned in the verse relate to the evil thoughts of man and therefore the protection of the Creator of man is sought.

This small verse is usually recited in one of the Rak'ats of Namaz when time is short.

By reciting this a Muslim prays to God to protect him from all evil thoughts which may come in his own mind. In other words, he prays Him that his mind may remain pure and that he may never cherish or entertain any evil thought about any person and a protection is sought from those evils which generally find their way in a man's mind and influence his actions.

It is not the protection from evil-doers but the protection is sought from the evil thoughts of his own.

This inspires a Muslim to refrain not only from bad deeds but also from evil thoughts as according to Islamic teachings it is also a sin if you have a sinful thought. {

In English Law which is based on Roman Law, crime is not committed until guilty action has been performed. Mens Rea (Guilty mind) is not sufficient if it is not followed by Actus Rijs (Guilty action). A crime is an offence against the State and therefore a well-known saying by a high judicial authority of England that the devil himself does not know the mind of a man. But Islam teaches Muslims to keep their thoughts also pure and free from evil desires as they may lead to action. He is asked to control his mind from the very beginning because a sin is an offence against God to Whom the thoughts of a man which create a disturbance in the medium and produce waves are fully known.

The above verses which were revealed to the great Messenger are for this high, noble and ethical purpose.

قل أعوذ برب الفلق * من شر ما خلق * و من شر غاسق
إذا وقب * و من شر النفتات في العقد * و من شر حاسد
إذا حسد *

“O Prophet, tell the people, ‘I seek protection of the Creator of Falaq (Dawn)—(Falaq means that time when darkness just begins to leave and light just begins to come on the horizon)—to save me from all evils that prevail in the world and all the evils which are committed on the Earth on account of darkness which the darkness of

night enwraps her and from the evil deeds of the witches and their charms and from the evils of jealousy of envious persons'."

These verses have also got that poetic beauty which makes them very difficult to translate properly—literal translation cannot convey the proper idea.

Here God is beseeched as the Creator of Dawn. To understand this the reader will like to know the ideas which were prevalent at the time these verses were revealed.

The pagans and the Sun-worshippers believed that there were two forces which were always fighting. One force 'Ormuzed' tried to bring good and life, which was represented by light the symbol of which was the Sun while the other force 'Ahriman' tried to bring all evils and death, which was represented by darkness or night. It was also the pagan idea that all evils which were personified ran away on the approach of Sun-god.

All sins and crimes are committed either in the night or in such a way that there may be no witness to them, i.e., in concealment.

To escape from sins and crimes there should be light which may expose them.

The reader will now realize the beauty of the verses and the use of the word Rabb-ul-Falaq (Creator of the Dawn).

Here again the pagan idea that the 'Sun-god' gives them relief is destroyed and God is described as the Creator of the Dawn as well as of the Sun and also the Protector from evils.

In the previous verses protection was sought from one's own evil thoughts, while in these verses protection is sought from the evil deeds and thoughts of others.

A Muslim like the great Messenger seeks protection of the Creator of all universes Who is also the Creator of the dawn to save him from all evils in the world which are committed in the darkness and in concealment and from the jealous feelings which remain hidden in the minds of envious and jealous persons by throwing light over them. Appeal is made to the Creator of the Dawn and not to the Creator of the day because on the very first approach of light evils run away and will not stay till it is broad daylight. Milton's poetic skill as evinced in his *L'Allegoro* is great and his description of melancholy in the following lines is beautiful :

Hence, loathed melancholy,
Of Cerberus and blackest midnight born,

In Stygian cave forlorn,
'Mongst horrid shapes, and shrieks, and sights unholy !
Find out some uncouth cell,
Where brooding darkness spreads his jealous wings,
And the night-raven sings ;
There, under ebon shades and low-browed rocks,
As ragged as thy locks,
In dark cimmerician desert ever dwell.

The poetic beauty of the Qutanic verse in appealing to the Creator of the Dawn is in every way superior to the poetic beauty shown in the masterpiece of English literature quoted above. The same Rabb-ul-Alamin (the Creator of all universes) is described as the Creator of different phenomena in the Quran wherever it was necessary to lay particular emphasis on their creation or where the subject-matter required it.

By the above quotations it will be clear that a Muslim's prayers are made to the Creator, the Sustainer, the Destroyer and Remaker of the universes Whose different blessings in the shape of different Creations in the Universe are constantly present in his mind. On account of these prayers he is constantly reminded of the presence of that Great Power Who is the Creator of everything visible or invisible to the human eye.

CHAPTER III UNITY OF GOD

قل هو الله أحد * الله الصمد * لم يلد و لم يولد * ولم يكن له كفوا أحد *

✓ “O Prophet, inform the people that ‘God is Unit, He is free from all desires, He is born of none and He has given birth (like human beings) to none and there is no sharer in His Authority, and there is none like Him.’”

This verse of the Quran was revealed to teach the people for ever that God is Unit, i.e., Indivisible and therefore no one shares any power with Him either as a son or a deity or an incarnation.

✓ Hindu conception of dividing God into several deities or His taking a human form, is corrected. The Christian belief of Jesus being the son of God, Mago-Zoroastrian and Manichean teachings of two gods, one trying to do everything good and the other doing everything evil, the Sun-worshippers’ belief that the Sun-god was the giver of life, and the beliefs of all others who shared His powers with other deities are corrected. ✓

It has been explained above that the construction of the whole matter whether in the gaseous or liquid or solid form is made of the smallest brick, the

atom. It has been explained that every element is nothing but a collection of atoms of the same kind and that there are only 92 elements so far discovered. Everything that exists in the universe is either an element or compound of two or more elements. The atoms are joined together on account of power of attraction which is similar to magnetic attraction which must be due to every atom having a magnetic North Pole and a magnetic South Pole. South Pole of one atom attracts and holds with it the North Pole of the other atom and *vice versa*. These magnetic Poles are formed on account of electrons revolving round the protons.

This theory can easily be understood when we see the Earth as a whole which has got a magnetic North Pole and a magnetic South Pole and this magnet runs on the line of Earth's axis of rotation.

There is actually no magnet which runs through the Earth but the power of attraction of the mass of the Earth which we call gravity acts like magnet. The effect of the rays of the sun falling on the Earth and the rotation of the Earth on her axis produce electricity and create a magnetic field round the Earth which makes her axis act as a magnet.

This will be sufficient for the reader to understand that the whole universe is made up of atoms

which are joined together by a kind of power or energy which we have named magnetic power or gravitation.

These atoms themselves are nothing but electric charges. The negative charge of electricity—not the charged matter but charge of electricity itself, i.e., the electric energy—revolving round the positive charge acquires a material form but in reality it is nothing but energy and can be reduced to abstract condition again.

The form of matter can remain only as long as electrons revolve round the protons and the whole material form will disappear when this revolution stops.

Electrons and protons are only the two forms of electricity which we call negative and positive energy. If these two energies come close enough to each other they combine and only one energy is formed. Therefore every atom can be destroyed either if the electrons come too close to protons or if the electron gets too far away from the proton and stops revolving round it.

Thus the matter comes to an end and is again transformed into energy which had acquired this shape.

Our universe—the galactic system—as well as all other universes forming cosmos are only a

of energy which has acquired the form of matter. If all the atoms in all the universe are split up into the two forms of electricity which they are composed and these two forms are put together, the energy will change shape and the whole matter will disappear.

This new form of energy will exist because energy cannot be destroyed, it only changes shape.

We know that energy exists in many forms in the cosmos besides the electric energy. Radiation and heat energies prevail everywhere besides the energy which acts as medium of transmission which has been explained previously. We are told that there are some rays called cosmic rays which are also present everywhere and are of very minute wavelengths and would burn us in a fraction of a second if we were not protected by our atmosphere.

The scientists have not been able to find out the exact nature or function of these cosmic rays.

All energy which escapes by the destruction of matter, like the heat and radiation escape by burning a piece of wood or charcoal, collects in the vast space not occupied by stars, planets, nebulae, etc. which we call heavenly bodies.

There are many other forms of energy prevailing in the cosmos which are not known to the

scientists and it will be an idea to guess whether man much as to find out all forms of energy.

The ordinary forms of energy makes use on Earth are electric energy, energy, potential energy, chemical energy, motion, and heat energy.

In producing a talkie cinema film waves are converted into heat waves and waves are converted into light waves pictured on the film. The talkie machine converts the light waves into sound waves.

This shows that in reality the energy but it is known by different names when forms different functions.

All the known and unknown forms in the cosmos are really part single Energy.

This Big Fountain of Energy of forms appear to us as performing different tions is prevalent everywhere. Whether exists in original form or as medium or in the form of matter is a part of that Big Energy and has come from Fountain. All different forms of energy drops of water in the ocean.

...separately and every motion of a drop
...to the whole ocean, just like the motion
...finger is known to your whole body.
...the preceding paragraphs will give a back-
ground to the reader to understand the Islamic
idea of God as revealed in the verse of the Quran
given in the beginning of this chapter.

God is One and is born of none. According to
Islamic conception, as taught by the great
Messenger, this Fountain of Energy has always
existed, will always exist, is prevalent everywhere,
knows everything, nothing can even move without
His order, everything that exists belongs to Him,
He is the Creator of all universes, He sustains them
and will destroy them when He will like to do so,
all things or energy are obedient to Him and
obey His orders according to the laws made
for their guidance as mentioned in their scriptures
and their daily life. *بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ*
This means Everything that exists is a part and
parcel of God. This is the belief of many
Sufis called Wajudias. Everything separately is not
God and cannot have all the attributes of
God. Just like your fingers, your nails, your hair,
and other limbs of your body are not you when
considered separately but all limbs and parts of your
body are you.

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body taken as a whole with you in the same manner these Sufis believe that things as they exist are not separate but they all are parts of God. (Everything is from God and will surely return unto God)

Other Sufis (Theosophists) believe that is, everything is from Him. They call this Shahudias. They think that everything that is His manifestation. There is very little difference in them from scientific point of view.

Then some Sufis who by constant reciting and concentrating their minds on attributes of God, which are, them, purify their minds and these attributes in themselves, their daily life, believe that great mystic powers developed in them by these practices. They easily know what is happening in places away from their sight and every thought of persons concerning them is known to them. It has already been explained that it is due to waves created by thoughts in the etheric medium which are received in the mind of these Sufis.

... persons are not God but at the same time are
... separate from God?

... again is the same theory which has been
... explained above.

Among the Sufis there are classes. The first
two broad classes are (1) Salik and (2) Majzoob.
The first class belongs to those persons who
while practising mysticism cross that barrier where
they are usually lost in their thoughts, and they
after finding some of the attributes of God in
themselves control their thoughts, and begin to
realize the want of many more attributes not
yet gained, and thus make further progress until
they attain the position of a Wali. All the Sufis do
not necessarily reach that high position. Some reach
the status of Abdal, or Autad, others the high
position of Qutub, and a few to the high
position of a Ghaus and Wali.

The second class—Majzoobs—is still further
divided into two.

The first of these sub-classes consists of
those persons who become Majzoobs permanently
and the other consists of those who occasionally
regain their normal condition and behave like

ordinary men and women.

The Majzoob is a person who is excited and whose people acquired great will power and strength for themselves. They remain fully absorbed in their idea about God and on account of this some powers exhibit them without restraint. They do not cross that barrier which is necessary for further revelation and begin to call themselves by peculiar names.

There was a saint named Masha'ud who is very well known in the history of Islam. He was a Majzoob and in his ecstatic state he saw everything as past and present. When his ecstasy (agitation) reached a certain degree he began to call himself 'God'. This was not a mere name but a strong conviction. He was once arrested and he called for blasphemy. He was taken to the scaffold of execution.

The story goes that a sound of 'Hu' (Huq), i.e., 'I am God', was heard from a drop of blood that fell from his body. This is called Salike (Islamic) which appeared in the world. 'God' is not a word but a name. It is not a name but a tradition which is not a name.

تم باذن اور امانت سے

شمس اور منصور کے منہ میں زبان کرتی

How could Shams (Tabrezi) and Mansoor dare shout 'I am God'—but it was Thou Who spoke through their tongues!

Whether a person is a Salk or a Majzoob he must free his mind of all evil desires and evil thoughts and tries to assimilate the attributes of God in himself by loving all creatures of God and thus uplift his soul. He thus becomes conversant with nature and begins to receive the hidden messages transmitted through waves in the Call pervading medium of transmission. His powers of reception of these messages depend on the development he makes.

Ghaus-ul-Azam Maulana Sheikh Abdul Qadir Gilani, greatest of all Muslim saints, in his Qasida-e-Ghausiah says: "The world is like a mustard seed before my eyes." He is said to have attained the highest spiritual development among the saints and a large number of Sufis follow him.

It is said by the Sufis that the secrets of nature and the relation of nature with her Creator which could not openly be taught to laymen were taught

of God...

by the Prophet Muhammad... some of his... of Abi Talib (may peace be upon him) 4th Caliph, was given... these mysteries. This secret knowledge... ed to chosen persons from time to time... to generation, who were considered fit to... practise it as everybody in the world... expected to understand philosophic ideas... the principles which they are asked to follow... act upon.

I have met some very reliable... lived ordinary family life and... cannot be doubted. They... could talk to Ghaus-ul-Azam, Sheikh... Gilani generally known as Barey... whenever they liked and that Barey... could talk to thousands of people at... places at the same time. They have... that they have attended the Durbar... the Prophet not in dream but in actuality... things appear very strange and one... the phenomena scientifically is puzzled... believe or reject them specially... told by persons whose truthfulness... is above suspicion and who... in saying them.

...comes when they refuse to
...secret as to how it happens.

...Besant, of Theosophical Society, has written
...on the subject called "Life after Death" and
...in making communion with souls. A cult
...started in England and America which also
...believes the same. This shows that it is not
...only the Muslim mystics who believe in making a
...connection with the spirits but the modern world
...has started in believing the same. This makes
...it more necessary that a scientific explanation should
...be found.

About 24 years ago a relation and a great friend
of mine was a candidate for the post of Deputy
Collectorship. His father who had attained great
spiritual powers and was on his death-bed called
his son and informed him that a few minutes
before he was selected for the post and congratulated
him. As the selection was to be made at
Naini Tal, a hill station hundreds of miles from
his residence, the son asked his father as to how
he came to know it as no telegram to the effect
was received. The father said that he was in-
formed by Ghaus-ul-Azam Sheikh Abdul Qadir
Ghalib. He asked the son to keep it as a secret until
he heard officially. Two days later the son met

The Commission... party who congratulated... and informed him that... was at Naini Tal he happened... office room of the selection... learnt of his selection. The time... of selection exactly tallied with the time... candidate was informed by his father who... few days after.

There are many stories of... above which have come in the personal knowledge... of the writer on account of association... of the faqirs who occasionally favoured... visits. For the purpose of this chapter... suffice as bigger details as to what... soul must be dealt with separately.

“There is God for you, your Lord, there is God but He, the Creator of everything, then you see Him, for He over everything keeps guard, He perceives Himself not, but He perceives men's sight, He is All-penetrating, the Aware.”

... son asked his father as to how... it was... in... Abdul... God... that

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... have pondered over the question
... nature of the Fountain of
... have proceeded to a certain stage after
... everybody is lost and in disappointment
... declared 'Thousands
... boats have been lost in this whirlpool'

Buddha after seven years of meditation could
achieve freedom of soul from
desires to reincarnate. But he could not ex-
plain to what happened to the soul after it
liberated itself from a continuous chain of incar-
nations. He did not believe in the universal soul.
The great philosopher teacher Mahabir is also silent
on this point. In his opinion, the soul goes on
slipping into the human or lower forms of crea-
tures continuously until a stage reaches when it
refuses to incarnate. He remains behind in con-
science even to Buddha. He also did not believe in
universal soul.
Many Hindu sages and yogis have devoted
whole lives in meditation, and have acquired spiritual
powers on account of purification of mind and
abolishing their evil desires. Some of them have
taught their disciples to practise some Asanas
(posture) and Mantras (some words). The
practice mostly consists of exercise in breathing

IN GOD, SPIRITUALITY
which is not necessary
Yails here. THE object
Sufis to develop the soul
live without body. They have
than Buddha or Mahavira. In these
find a halt at certain stages. Some
advanced, some are behind.

The highest stage of conception which
scientifically be proved in spite of our
knowledge is as given in the Quira in the
quoted in the beginning of this chapter.

The Great Unlimited Energy which
everywhere at all times by His Unlimited
and Power which was inherent in Him created
The intelligence in this Energy was the
power which created all other forms of Energy
Himself. Even in the highest conception
the Hindus as explained in Upanishads the
though all-Pervading soul is not an active
In Islam the Being is Active and Intelligent. This
explains the motive Power which is the
Intelligent Energy which became the
existence and which no one else except
explain properly. Gita touches this point
extent and its teachings on God being
close to Islamic teachings.

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Energy Who is the Creator of this well-ordered collection of universes which are all working in the same manner and is the Creator of the most intelligent of all creatures on the earth must be possessed with unlimited intelligence to create this machinery and intelligent beings.

A man's soul is only a form of energy as will be explained later on and is a part of that Intelligent Energy which has created all. It is therefore easy to understand that when the creature is intelligent the Creator must be far more intelligent. No mechanical work devoid of intelligence can produce intelligent beings. It requires intelligence even to make the machinery which produces ordinary unintelligent articles. Think of the designer of that machinery which is designed to produce the most complicated machinery (the man) itself.

The theory that the matter came into existence by itself and started collecting mechanically until the nature was formed and started manufacturing different things mechanically falls down at once when we understand that the matter itself is the form of energy and could not come into existence by itself. It is subject to Laws laid down by the Creator.

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... odd, some ...
The people who ...
... therefore ...
... their knowledge ...
... stand still ...
... philosophic thoughts ...
... facts which were beyond their imaginations ...
... It is scientifically proved that energy cannot ...
... destroyed and the amount of energy that ...
... the cosmos remains the same. Some part of ...
... energy changes one shape from the other ...
... total is never altered. Principles of conservation ...
... of energy fully deal with this subject ...
... only their conclusion is given here ...
... In other words the Great Endless Ocean of Energy ...
... has always existed and will always exist ...
... very small portion of this Energy which ...
... compared to a drop in the ocean, was made ...
... acquire all the different forms of energy ...
... which are known to us and may ...
... known. Out of this small portion of energy ...
... became Electric energy, i.e. Positive and Negative ...
... Electricity in equal strength. A small portion ...
... Electric energy acquired the shape of atoms of matter ...
... This matter which we see floating ...
... planets, comets, meteors, nebulae, etc., in ...

stars as compared to us, are not even
 many drops in the ocean. Antares and
 the giant stars, which are hundreds
 bigger than our Sun, appear to us only
 points of light on account of vast space that is
 between the Earth and these stars. Again the
 constellations of Andromeda
 appear only as specks of dim light
 though they are as big as, or even bigger than,
 our whole galactic system. Their size has been
 estimated that light takes 1,50,000 years to pass
 from one end to the other. In spite of this big
 size they appear only as specks of light, which is
 due to their big distance from us. The most
 distant of the Nebulae so far seen are situated at
 a distance that light takes 20 crores of years to
 reach us. This is the distance which we cannot
 calculate in miles or even in millions of miles. It
 is thus clear that in spite of their huge sizes
 these Nebulae or universes are like mere
 drops in the ocean when compared with the size
 of the empty space in which they are floating. They
 are being carried away as individual drops of water
 are carried away from place to place by waves
 in the sea or as a particle of dust floats in the air.

This will give the reader an idea of the whole

GOD, BUT...

amount of matter in the universe is very small compared to the vast space which appears to be empty.

I have explained previously that space is not empty. If it had been empty, light waves would not reach us from these different stars. If light waves there must be some medium in which they may travel. I have also explained that this medium which is only a form of Energy exists everywhere including the space between electrons and protons of every atom.

Therefore that part of the Original Ocean of Energy which occupies the whole empty space and acts as a medium of transmission of light and other rays is far bigger than that part which has been given the shape of matter and floats in this space.

DESTRUCTION OF ALL UNIVERSES

It must now be clear that the Great Universal Ocean of Energy that occupies the Universe is the source of which the medium of transmission of light and other rays is a small part, is the Unit Creator of all galaxies, stars, planets of energy and the matter. He is an intelligent being. He has created a system which is based on the most perfect principles. He has given intelligence to all animals and insects besides the human beings. Just watch ants, bees, weaver birds, etc. and elephants, monkeys, etc. you will be very much surprised.

...of intelligence possessed by them:
 ... Creator and Designer of all these animals
 ... and gives them different grades of
 ... intelligence. He has laid down principles for
 ... births and deaths. He is the Creator of all
 ... things that grow, or change shape on the principles
 ... laid down for them and will end the whole exist-
 ... ence by one switch. By one switch He has created
 ... the whole cosmos and has given a turn to the
 ... wheel which turns all minor wheels; and by
 ... another switch He will turn the wheel in the op-
 ... posite direction and the whole cosmos will crumble.
 ... The Sun will rise in the West instead of the East
 ... which means a change in the rotation of the Earth.
 ... This will happen only when the big wheel will turn
 ... in the opposite direction and the end of this show.

هو الاول هو الاخر هو الظاهر هو الباطن
 بجز يا هو ويا من هو وجز رے نمی دایم

He was the first, He will be the end, He is Visible
 (through manifestations), He is Invisible, except God I
 know nothing else.

The start was the Great Energy, the Cause and
 creator of everything, the end will be the Existence
 of this Energy and nothing else. Even different
 forms of energy will disappear.

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The words of the Quran

الشيء راجعون

—“ Verily, everything has come from Him and will return unto Him”

have proved this theory which the modern science also establishes. A poet has very well stated in the most simple Urdu language

جو کچھ ہے وہ میرا ہے

میرا کچھ بھی نہیں

“ O Bayan (the poetic name of the human universe) I will say nothing but truth, nothing but truth, only Truth (God) and nothing else.”

The Great Infinite Energy—God is the Truth, everything else is a Mirage.

The scientists believe that matter is constantly breaking into energy which fills the space. The process will continue till the whole matter is reconverted into energy.

According to Islam the matter is a part of the Energy and will be converted into this Energy. This Great Energy is in different forms of energy.

in the form of Energy. Man's body is created from matter and energy in the form of intelligence, and soul, was placed in this body of matter.

ثم سوّاه و نفخ فيه من روحه و جعل له السمع و البصر و
 و الا فدا، قليلا ما تشكرون *

He fashioned him in due proportion, and breathed into him something of His spirit. And He gave (the faculties of) hearing and sight and feeling (and understanding).

Little thanks do ye give. ✓

(Al Quran, Sura XXXII—verse 9).

This energy of intelligence is of such a nature as to overpower all other forms of energy. All energies have bowed to the intelligence of man. There is one energy—'temptation'—which has not bowed and always tries to lead man astray from achieving what his intelligence would make him achieve.

There have been persons who have ventured to enquire to the origin of this Unlimited, all-Pervading Energy and as to what existed before this

Jay Hindu philosophy which is a well-advanced philosophy as given in some of Upanishads does not throw much light; Buddhist philosophy does not touch the question of all-Pervading Energy or its existence; Jains do not go beyond

matter, Plato and Aristotle
date.

I met a man from Catania
before Energy came into existence
vacuum which was in the shape of the
a globe. On account of vacuum, pressure
exert itself towards the centre of the
after millions of years it collected
in such a strength that it became more
than the pressure which was exerted from
of the sphere towards the centre. This
which collected in great force at the
exert itself on all sides from the centre
conflict with the pressure which was
towards the centre. By the friction of
pressures, centripetal and centrifugal,
forms of electricity were created and
into existence.

According to him the vacuum is the
of creation. But his whole theory
we examine it scientifically and its
becomes apparent. The vacuum
had a spherical shape and that
and has no beginning and no
ingenious argument but a sphere
da ries and has therefore limits.

and may have no beginning and no end. You may go round and round it without coming to an end, just like you go round the Earth, but when you stand over your feet has the boundaries as if you stand over it you are outside the Earth. The inner part of the sphere is bounded by the outer globe and that makes its limit beyond which there must be either something else or another vacuum. His own theory is refuted by the principles underlying it as it presumes the existence of a globe and its shape and boundaries when he starts.

Then for the pressure to exert itself towards the centre in a sphere of vacuum the outer crust of the sphere must be strong enough to resist this pressure from spreading on all sides beyond the sphere and thus push it towards the centre. This presumes the crust to be made of matter or of something which can resist which again defeats the premise of his arguments. Thus his arguments are self-contradictory which can be proved as fallacious by further reasonings, but I think one test is sufficient for the purpose of this book as the reader who does not want to go deep into scientific explanations will be tired.

My man is one of those whose flight of imagination has ventured to go to the extent where

him, like others, has tried to create matter out of nothing. He has tried in the same way as the scientists of today.

According to the scientific theory of the origin of matter, matter has always existed and will always exist. Matter cannot be destroyed according to the Law of Conservation of Energy. Therefore, matter cannot come out of vacuum. If it had been the case, it could be destroyed.

This scientific research is exactly like the teachings of Islam which an illiterate person explained more than 13½ centuries ago as explained above.

The scientific theory of the origin of matter is based on the fact that matter is conserved. It is not created and it is not destroyed. It is only transformed from one form to another. This is the Law of Conservation of Matter. The scientific theory of the origin of matter is based on the fact that matter is conserved. It is not created and it is not destroyed. It is only transformed from one form to another. This is the Law of Conservation of Matter. The scientific theory of the origin of matter is based on the fact that matter is conserved. It is not created and it is not destroyed. It is only transformed from one form to another. This is the Law of Conservation of Matter.

DIFFERENT FORMS OF ENERGY

It has been explained that the matter is only a manifestation of Energy and has come into existence by negative electricity revolving round the positive electricity. This shows that the two forms of electricity called electric Energy came into existence before they adopted the appearance and shape of matter. Similarly other forms of Energy came into existence before the matter.

The Energy which keeps matter together by joining one atom with the other and joining one molecule with the other, the Energy which attracts one mass towards the other, and the Energy which acts as chemical Energy and makes one kind of atom join with the other kind of atom, must have existed before the matter was formed.

When the matter breaks, certain kinds of Energy are noticed like radiation and heat. It follows that, in the composition of matter, these energies are present and therefore must have existed before the matter came into existence.

Again we know that there exists a power called Repulsive Power which is opposed to the Power of

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Attraction exhibited

The 'Power of Attraction' is the force which attracts matter and causes the Energy of matter to be attracted to matter, while the 'Repulsive Power' is the force which causes matter to break and lose shape and appear as a gas.

These powers can be exhibited in the following manner:

Take a piece of soft iron rod and put a coil of iron or copper wire round it and join one end of the coil with the positive end of a battery and the other end of the coil with the negative end of the battery. An electric current will begin to run in the wire and the rod will become a magnet and will gain the 'Power of Attraction.' But if you put two coils of wire round this rod and join the ends of these two coils, which are on one side, to the positive and the other to a negative pole of a battery and the other ends of the coils to the opposite poles of the same batteries, electric current will run in the two wires from opposite directions. This 'Rod' will at once get 'Repulsive Power' and will repulse metal to a distance and keep it suspended in the air. Repulsive power is also exhibited by the similar poles of the magnets. North poles of two magnets repulse each other while the North pole of one attracts the South pole of the other.

...Energy which acts as a magnet of attraction and is used for the purpose of attraction. While the other form which exists as 'Repulsive Power' is used for the purpose of destruction and disintegration of matter.

This Energy which acts as 'Repulsive Power' is working quietly on everything but will work suddenly and with great force when the destruction of the whole cosmos comes.

The energy which acts as medium of transmission of electric and light waves, thoughts of people and hidden messages given by the rotation of electrons and atoms, and transmits the will and message of the All-Powerful and All-Knowing Energy has been explained in previous chapters.

There are thus many forms of energy which prevail in the cosmos some of which are known to man and are utilized by him as explained previously and others are not yet known.

Briefly :

- (b) 1. Electric Energy,
- 2. Magnetic Power or Power of Attraction or Affinity,
- 3. Radiation,
- 4. Heat, and
- 5. Chemical Energy,

...of the forms of energy by which matter

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has been created, and they can change shape. The animals which have been created, body and soul, for existence and food and everything else.

(b) Repulsive Power—By the use of this power the Creator does and will destroy everything.

(c) Medium of Transmission—This is used to convey messages as explained previously.

(d) Intelligence of Soul—This has been given by the Creator on all living creatures. The soul has been given to man on the Earth who has been taught to produce many things by using those energies which bowed before him. The energy of Intelligence has subdued matter and energy and has made use of them as explained previously. Nothing can be said about the bodies floating in the cosmos, whether they have life like it exists on the Earth or not.

*It could not be ascertained whether our nearest neighbors, Mars and the Venus, have any life on them or not. There is a probability that these planets have life similar to the life on the Earth. It is also probable that life on the Mars, which is colder than the earth did, may have advanced more than on the Earth, while on the Venus may be less advanced. More powerful telescopes will penetrate through the atmosphere which envelopes these planets and reveal further mysteries. But it is now clear that there is no life on the Moon as she has no atmosphere and no water on her surface. It will also be revealed that other stars have planets which may have life like it does on the Earth, or even better, like the one which is called the paradise.

There are many other things to be revealed.

The energy is also placed in man, it works as opponent of intelligence and has not accepted submission to it as the desire of the matter forming the body, its strength depends on the defects in the constitution of the body.* This energy always tries to lead man astray from the path which he should follow, consistent with his position in the cosmos.

Man's intelligence prompts him to do things which are due from him as the part and parcel of the Great Energy whose essence is All Knowledge, All Power, All Love and Presence Everywhere and Which has got all the noble attributes and is free from all desires and selfishness. He is told that he should consider all men as members of his own family as all of them belong to the same Great Energy. He is asked to keep his mind free from all evil desires and see that his actions are not influenced by selfishness, lust, greed, malice, hatred, jealousy, cruelty, enmity, deception, falsehood, encroachment on the rights of others, etc. He is asked to love and make sacrifice for the sake of others and bear all hardships to bring relief and good to other persons.

*By the physlognomy of a man you can at once tell whether he is a good or a bad man, whether he is truthful and pious or a liar. If a man is kind-hearted and of noble disposition he can easily be distinguished from a hard-hearted cruel person of mean temperament, etc.

These are a few of the reasons why the Intelligence of Soul of a man should not have quoted some of the verses in the previous chapter in which protection is sought from some of these evils.

Temptation always tries to lead man to selfishness and make him forget that he is a part of that Energy to which everything is attached. Temptation thus tries that he should do all the acts which are based on selfishness from which Intelligence tries to keep him away and guard him from doing what Intelligence wants him to do.

This fight between the two tendencies in a man's mind in all his actions, whether for the one or the other depends upon the predominance of the

A Muslim, when he is confronted with conflicting ideas, is asked to recite *Allahu Akbar* which means "There is no help and no power except from God!" His mind at once turns towards the thing and away from the evil desire. He then realises that Satan (Temptation) was making him do a thing which was contrary to the commands of God which are based on love and sacrifice.

لَا تَقْتُلْ نَفْسَكَ الَّتِي حَرَّمَ اللَّهُ
"You kill your greatest enemy
desires of your mind."

The character of a man is developed by practices and not by understanding theories.

The achievement of strength in character and for the purpose of uplifting soul different teachers have taught different methods of practice. Some Hindus have taught to undergo penance by standing on one leg or sitting on a bed of iron bars or keeping one hand lifted. Others have taught to do most humble work of begging. There are innumerable ways which have been taught by great teachers but most of them cut you away from society and the daily work expected from man, i.e., his earning his bread. They make him a dependant on others and thus a drone to the society. The Great Messenger Mohammed (peace be on him) has taught that you should not leave society and yet mould your character. If you get away from the society and then practise good, the effect of your good deeds is not felt by the society. The strength in your character does not develop to the proper level by practising good without coming into conflict with temptation in which your daily life of society places you. A man may fall in society while obviously he is free from evil desires when away from society. It is thus necessary for you, according to him, to remain a member of the society, pass through the temptations in your daily life and then

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develop your character.

1. Celibacy and ascetic life were encouraged by him. God is active and looks after all, therefore man must also should serve the society.

Satisfaction of natural desires in the according to the rules and regulations of and their strict observance develops the a man. He can fight temptation better and victorious when he is accustomed to fight step in his daily life than he will be able he wants to remain away from it.

Some people argue that a man really battle against temptation when he gives daily life. Surely that is a great victory requires a lot of strength in character in daily life and society. But this same man the will and strength in character to give can be far more useful to society and model if he lived as a member of society adored as he acts after giving up the

There are many other forms of obey the Great Living Intelligent Energy and constantly receive the orders which have been given and execute according to rules and for them.

There are cosmic rays whose function has not been ascertained but they can burn a man in a fraction of a second.

Every word that we speak, every thought that enters our mind, every act that we perform creates waves which will remain moving till the universe is destroyed. Our words create waves in the air and we hear them as long as the waves remain of such dimensions that the drums in our ears can receive them and we do not hear when the waves become too big for our ears but the waves remain there all the same. The waves in the air create waves in other mediums. Our thoughts in the same manner create waves in the medium of transmission while our acts create impression on another medium.

Thus our words, our thoughts and our actions are preserved as we preserve them on a talkie film which is made only of matter.

The material part of our body cannot see or hear or hear what is allowed by the limitations placed by the formation of our body; but the soul. Energy and hear everything as soon as the limitations placed by the formation of body are removed.

Forms of Energy have not been discovered by man and it is not necessary to go into further details in this small book.

MANY philosophers have argued that a soul is, because every man knows as to what will happen to him. Many explanations have been given, but all are attracted towards them people who live in environments where these ideas are common. It is not necessary to go into details here.

I will give a simple explanation which will appeal to an ordinary understanding.

A man's spermatozoa (seed) are possessed of chemical energy. A woman's egg acts as a fertiliser supplied by a woman. The spermatozoa and egg undergo a chemical action. The fuel for this action is supplied by the blood of the mother. In the womb this action takes place. The spermatozoa and egg cells which have met and combined, develop into a foetus and chemical reactions take place. The foetus develops the form with the appearance of a child. The machinery of a man's body is formed. The foetus in the womb goes on until it is born. It is not possible to exist on a planet like Mars.

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While developing the germ, a new energy to the machine is acquired through the help of food and fertiliser. This new form of energy is formed by combination of the energy by the germ, the fertiliser and the food. In the new machine thus formed, the work of this energy in the machine produces blood which keeps the machinery in motion. The brain in this machinery is constructed in such a way that it gives consciousness when the motion continues. This consciousness or energy is called soul. If the chemical action produces some defect in the machinery, consciousness appears.

It is clear that the soul or consciousness is in the form of energy which manifests itself on the working of the machinery, the soul ceases to manifest when blood stops in veins and brain stops functioning just like the iron rod getting magnetic power only while current flows in the coil round it. When the circulation of blood stops, not only does it cease to manifest, but a reverse process of decomposition starts on the machine which now becomes

... and you feel a vibration
coming in the body...

When you walk, the energy begins to transfer moving the body of the man who makes a noise. If the functioning, the machine uses the energy of motion and sound. Where had this energy come from? It gone to? What has happened? The natural questions which one asks.

The answer you give is that it only changes shape. The fuel and when it burnt in the engine by the magnet or the battery, the through the cylinders changed the motion and the motion of the engine created noise. As soon as stopped the machinery stopped the motion ceased to exist. The energy created by the burning of the fuel to move the body and produce sound.

✓ In the body of a man there are three kinds of energy.

One kind of energy is the machinery works in the body of you eat...

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the machine works on the principles of the first law explained in the formation of the soul, and the other is the 'attraction', which is created by the machine and keeps joined together the matter of which body is composed.

The second kind of energy which we call consciousness—as think, remember, calculate, etc., is a kind of energy which the Creator of the machine can be manifested only as long as the machine is working under the first and second laws, which could not be manifested in the machinery—the ear. This energy is not ordinary language.

When the machine stops functioning this energy disappears, manifesting itself through this state is now called dead.

The kind of energy which was necessary to run the machine, working is converted into 'heat, power' and starts disintegration and decay of the matter of which the body is

made of. The Soul—which had been manifested as conscious—is now in a rest as explained

The...
energy...
quality of...
definition...
potential...
itself...
manifestation...
must...
as it does not manifest itself...
matter unless...
that it can make...
released from the body...

This development is...
as when you see a distant...
which you have not seen...
self in the company of...
met for a long time...
achieved by hard practice...

We know that an...
matter goes into the...
are floating...

The question how...
released soul. Some people...
comes back into...
or an animal...
been summarily...

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...able to criticize beliefs of other... scientific scrutiny is not a biased criti-... theory cannot stand on the further... that it envisages the same souls constantly... and going out of this world. This limits... of souls; but the population of human... is always increasing. According to this... the great kings and rulers are born in that... of authority and wealth owing to good... performed in the previous life. This means... advance made by the soul to attain that... most of the merciless tyrants in the... have been the persons who were possessed... power and their characters have... to humanity. It therefore does... to the common-sense that an ego which... so much as to receive the reward to... in wealth and authority or to receive it... in life should degrade itself again to such... as to be condemned to be born either as... class sweeper or an animal like a dog or...
 ...great teachers had two objects before them... taught to their congregations. One was... of punishment in the minds of

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people for the sake of
violating the law of
create a hope and inspire
good deeds.

As most of the people are
the teacher taught in the
be most effective and appeal to
he addressed.

The society in India was
divided into so many classes
of a Kshatriya class it was a
as a Brahmin or a bigger ruler and
be born as a Shudra or a
depressed class. The depressed
tempted to be born as a
even a Brahmin and was
dog or a donkey or a pig.
suit where the society does not exist
it existed among the Hindus.

Islam, which came for the whole
for a particular society or country
intelligent and ignorant people equally
principles which may stand every
and every stage of civilization.

✓ According to Islam, soul after
body stays above the earth

in which it is rewarded or punished. It is round therefore above and below the space in which Earth is floating round. This is exactly what the modern science tells us that the energy which escapes from Earth goes into the space the dimensions of which are very great.

The energy remains in the space until it is used for some other purpose. ✓

We know that the Sun like all other stars is a burning body and is burning at a high temperature. The temperature on its surface is calculated to be about 5000 degrees but internal temperature of the burning mass is very very high. There are other stars which have a surface temperature of more than 10,000 degrees and internal temperature of more than 100,000 degrees. Compare these temperatures of burning masses with the temperature on the surface of the Earth. The highest temperature we get on the Earth is 130 degrees only and it is very difficult for us to live even in a temperature of 130 degrees.

The energy which is released from this Earth has a tendency to reform and reconvert itself again or acquires those attributes that it does not revert to matter.

If a man (or woman) has a great material gain and intelligence to the extent that he becomes subordinate to the body, he cultivates a great attachment to the matter of the body. This attachment makes the body develop a wish for death, which remains unsatisfied at the time of death. The body begins to disintegrate and the energy of the body begins to be released. This energy is reformed into matter on a higher plane.

We know that the first stage of the formation of a gas and then of a nebula is a burning cloud of gas at a very high temperature. By the rotation of Nebula some matter is thrown from it and stars are formed. These stars are very hot on account of contraction while forming them. Out of stars planets are formed which cool down after thousands of years.

Thus the energy, which is released from the atoms of this body and kept there until its release is transferred either to the formation of a new Nebula or to the formation of an existing Nebula on a higher plane on account of its tendency to be reformed.



part of these burning furnaces which is called Hell and undergoes all the torments which it had undergone before forming the body of man.

The Soul (Energy) of this man having cultivated attachment to the energy which formed the body and having lost the attributes of the Creator becomes polluted. Its position is similar to a cup full of coloured water thrown into the ocean. This coloured water though it becomes a part of the ocean and moves with tides and waves yet remains different to the rest of the clean water until the colour settles down at the bottom of the ocean.

This Soul (Energy) wanders in sympathy with the energy released by disintegration of the body, and suffers humiliation and pain just as it suffers when the body gets a wound or pain in stomach or suffers mental pain when the person is socially degraded or humiliated, until it discards all attachment to that energy which tries to be reconverted into matter and purifies itself by giving up affection for all those desires of the body for which it had yielded to the energy of temptation. Until this is done it cannot merge into the pure Fountain of Life from where it had come. It requires a very

THE SOUL

long time for the soul to get rid of affection for things cultivated in lifetime.

If a man lives a life in which the Energy of the soul overpowers the Energy of the body, yielding to the passions and desires of the body, he acquires the attributes of that Great Energy, the Creator of all, his soul loses all attachment with the energy forming his body.

His body also becomes pure, the restraints put on it by the dominant energy at the time of death has no effect. The energy released by the attachment

* I have used the word 'pure' which is not standing, therefore it is necessary to give some

The tendency in the matter is to acquire human form, the matter acquires human form, the tendency manifests itself as greed, lust, etc., and the energy constituting a man's body tends to continue in the form of matter. What is referred to as impure as they are attached to the form of matter (Energy) which wants to remain in abstract form without form. The terms 'pure' and 'impure' are relative terms and are used in this sense. As all matter which is attached to the form of matter in ordinary language is nothing but a form of matter. Before, the question of impurity in ordinary matter, the same food may be good and the same may be bad. The purities are only the attributes of matter in ordinary language. Our bodies, otherwise the constituents are not limited to convey any idea in language as words are things.

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Therefore, no tendency to be reconverted into matter and remains free in the space until it goes into Infinity by acquiring the attributes of the Creator.

While the Soul (Energy of Intelligence) of this man, which is the higher form of Energy, which thus subdues the energy of temptation and had formerly overpowered all other forms of energy after thus acquiring attributes of the Creator remains free in the space to enjoy all the glory of the vision of the Creator. It keeps its entity and goes on improving on account of tendency generated in it while placed in the body. It can help other souls which endeavour to purify themselves on the same

The reader should realise that no language is perfect and no man can express his ideas, specially philosophic, which may not be understood in more than one way.

This explanation was necessary so that an orthodox person, if he is incapable of understanding the arguments, may not say that God becomes defective if a part of energy is impure or may say that ordinary impurities like manure cannot be constituted of that energy which is part of the Big Emanation of Energy.

It should not be forgotten that roses grow out of this manure and give scent which refreshes soul. Corn and fruit trees also grow by using manure. Therefore it is the combinations of elements in different proportions which either give bad smells and are impure or give good odour and are called pure. As a matter of fact everything pure or impure in material form is constituted of electric charges only.

...most souls at this time...
...matter can make connection...
...the same time.

By further acquisition of God's
essence which could not be acquired
merges into Infinity.

Buddha's Nirvana does not contain
into the Universal Soul the
did not believe.

According to him soul returns
this world until it acquires freedom from
tion. This means it comes to the
punishment and only stops returning
further punishment is necessary.

According to him...
ment but God has created man as
Malaek (angels) even as they have
In scientific language the Energy
man, though placed in a crude form
'the matter'—is a superior form
those forms of Energy called Malaek
(angels) as...
him something of His spirit.

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...made of matter it gets an
...make further progress by overpower-
...of temptation which had not bowed
...had refused submission; and this
...Earth again in the form

...the mystic dervish, writes :

مردم از حیوانی و آدم شدم
حمد و تحمید چو میرم از بشر
بار دیگر از ملک پیران شوم
بس عدم کردم عدم چون ارغنون گو بدم

When I perished from the stage of a germ (sperm-
tozoa), I changed into a man. Why should I think
that I will be destroyed when I die? Next time when I
take my birth as an angel (energy). Further
when I fly from my state as angel I will become what is
possible for imagination to conceive. Lastly I will
reach to Infinity, as God has said, 'Verily everythi

have similar

The souls of those persons who assimilate
...enjoy all happiness after
...This is called 'Heaven or

Paradise." "The highest stage of the soul will be able to see the Creator."

This means that the soul has the attributes which it originally possessed and parcel of the great Energy of God. Energy again. That is what Maulana in the verses quoted above, the same as of other Sufis who believe in *شيء من الله* thing is a part and parcel of God.

ہر شے میں کچھ نہ کچھ ہے
مگر وہ قریب و غریب تو ہی تو تھا

"What was the attraction in *Lata* as the flame of the candle; but *Lata* was as beauty in them for the lovers of the *Lata* them."

According to scientific discoveries, a *Lata* can be reached when the heat which is spread in different bodies, will spread in the space and this will stop matter from the other. Then the entire *Lata* will be from the other.

* Note.—*Lata* was the famous lady who was loved by *Shikron* was another lady who was loved by *Shikron* flowers while insects fertilize their lives on flowers.

Energy and Energy will fill the whole

teaches the same in religious language
science teaches in scientific language.

The souls after enjoying the pleasures of
even, that is, freedom from all desires and
will disappear as separate entities. They
merge in Infinity or the Great Energy—the
of all.

The Malack or Fariabtas or all forms of energy
will also disappear. The energy in those forms will
forms and will merge in the source or fountain
from which they came.

ایک ذات حق رہی اسوا کچھ بھی نہیں

Only God will remain and nothing else.

MOHAMMED THE MESSIAH

PROPHET MOHAMMED

He was the greatest benefactor who ever lived on the earth. He revealed new ideas of the world for humanity, and towards the weak and oppressed with a message which brought the emancipation of the oppressed, raising them from one degraded position of honour and respect to a position of rights, and exchange for the down-trodden whose lot was worse than those of animals, to be treated with equality with other humans. May the world should always remain indebted to him. A few of his teachings are mentioned as this small book cannot be utilized for an exhaustive description of the great blessings he brought to the world :

1. He taught Unity of God and His Oneness in that beautiful and convincing manner as had been done before. His arguments to prove the unity and to the different phenomena of the universe, the proof of Unity of God, His All-Knowledge, His All-Power, All-Compassion,

that they surpass every competition. The whole world is coming to his ideas whether people admit it or not.

2. He was the first to teach equality of men. 'It is not the birth in a good family but your actions alone which distinguish you from others,' is his teaching. An African and a Beduin were placed on the same level as the most aristocratic Quraish.

3. He was the first to make it obligatory on the rich to subscribe for the support of the poor and needy according to the laws laid down for contribution.

4. He was the first to lay down as ethical rule to abolish slavery by freeing all who came as his slaves and by purchasing freedom with his own money of those who were slaves of others. He taught that God loves nobody more than those who give freedom to their slaves. He made it a penalty for some sins to be paid in the shape of obtaining emancipation of a certain number of slaves for each offence.

Thus by appeal and example he was the first to abolish slavery.

5. In order to ameliorate the condition of those slaves whose masters may not listen to the appeal

for Divine love or follow his own example. In respect, he gave them great relief by making the burden cumbent on the master to give the same food which he ate and the same kind of clothes which he wore to his slaves. If he could not do this he was asked to make the slaves free.

Compare this with the barbaric treatment which was meted out to the slaves in Rome, Egypt, Syria, Babylonia, Assyria, Arabia and other countries and up to a short while ago in America to the negroes and is still meted out to the depressed classes in India.

While Mohammed (may peace be on him) freed his African slaves and gave equality to the negroes with the Quraish, who considered themselves higher than everybody else in the world, more than thirteen centuries ago, the modern civilised and democratic country, America, still makes a great distinction between the white and coloured races. A negro though free is still suffering under the disadvantages which the slaves never experienced in Arabia after the fall of Mecca. In America a negro was thrown down in the street from a high building if he committed the 'offence' of marrying a white woman. England was the first among the European countries to adopt the teachings of the Great

Prophet and gave freedom of action to all her citizens. Other Powers in Europe followed England but America is still behind.

6. He not only abolished the horrible custom of killing daughters in Arabia which existed when he started his mission but gave that status to the woman which is not enjoyed by her in many civilised countries up to now.

In England a married woman could not possess any property up to 1870 A.D. All property which she inherited became vested in her husband as soon as she married. She could not sue or be civilly sued. Christianity for 1870 years had not taught England, a country run and administered by Parliament, what the Great Prophet had taught in the beginning of the 7th century of the Christian era.

In India, a Hindu woman cannot become full owner of her property except of her 'stridhan' even up to now. Hindu women are fighting to obtain those rights which their Muslim sisters have been enjoying for the last 1362 years.

Manu, the great Hindu Law-giver, treated women with contempt and though the great Buddha relaxed that contempt a little but his ideas about them can be judged by his reply to Ananda, his

favourite disciple, when he asked the question, 'why the women are not given the same rank and the same right in public life as men?'

'Women, Ananda, are hot-tempered; women, Ananda, are jealous; women, Ananda, are envious; women, Ananda, are stupid.' In another place he says, 'Crying is the power of the child; anger is the power of women.'*

Buddha allowed women to become Nuns and granted them monastic right but, according to a rule ascribed to him, a Nun, even if she has been ordained for a hundred years, must salute every Monk in the most reverential manner, even if he has only just joined the order, must remain standing in his presence, raise folded hands and show him due honour.

The position of a Hindu woman in India in spite of a great advance made within the last twenty years remains deplorable. In higher castes she is not allowed to remarry even if she became a widow at an early age—before attaining puberty. She is asked to spend her life as a virgin widow. In some places the hair of the head of a young widow are shaved to make her look unattractive; she has to do

*See *Indian Thought and its Development*, p. 95.

the drudgery of the whole household; she is not allowed to eat anything at night, so that she may have no desires of flesh in her body, and nobody in the family likes to look at her face as the first thing in the morning. In some places she is still married to several brothers at a time as was done in olden days, when she was pawned and put at a stake in gambling.

Among the Greeks of Athens who were the most cultured people in ancient days, the wife was a mere chattel, and could be sold to others as the custom prevails in the Hills of Himalaya even today. The Athenians could leave their wives by will to others. She was an evil but necessary for procreation of children.

-Jesus Christ (may peace be on him) deprecated matrimony in general terms though he did not expressly forbid its practice.

The Christian missionaries showed great contempt to women and their ideas are represented in a book written by Tertullian where he describes women as "the devil's gateway, the unsealer of the forbidden tree, the deserter of the Divine Law, the destroyer of God's image—man."

The position of woman in Rome, Egypt, Syria,

Iraq, Persia and other countries was no better than it was in Arabia and India.

Mohammed (may peace be on him) found a woman in this condition in the whole world and brought a revolution in the world by giving her that status which is not enjoyed even today by many women of civilised countries and by teaching that daughters, sisters, wives were objects of love like mothers. He was the benefactor not only of women but also of men whose daughters suffered under the old customs.

7. He taught to be kind to orphans, widows, blind, poor, needy, weak and old persons.

8. He taught to show hospitality to travellers, strangers and guests.

9. He taught to be kind and loving to your children, your relations and your neighbours and obedient to your parents.

10. He taught to forgive those who may offend against you as by doing so you show the best of humanity.

11. He enjoins on you not to lose temper in anger.

12. He teaches the Muslims to help and feed the poor even if they are not Muslims as the pro-

vider of food is God Who is the Creator of non-Muslims also.

13. He teaches not to covet other people's wealth.

14. He enjoins on you not to allow greed, envy, hatred, malice, and enmity influence your dealings with others.

15. He teaches you to be straightforward and not to speak anything but truth.

16. He asks you not to lower your head before anybody and to have full reliance on yourself.

17. He asks you not to encroach upon other people's rights and to defend the rights of those who cannot defend themselves.

18. He condemns usury and asks you to help your neighbours in their needs without charging any interest.

19. He asks you to be just when you are asked to do justice or when you are placed in a position which demands justice from you.

20. You are asked to be merciful to those who repent; and kind to those who may be placed under your authority.

21. He asks you not to let a harsh word pass your lips which may injure anybody's feelings.

22. He was the first to abolish prostitution and to lay down strict rules against sexual relations except between husband and wife and thus stop licentiousness and debauchery, the great evils now prevailing in civilised countries. This not only safeguarded the rights of women but gave them prestige and status instead of a degraded position.

23. He was the first to abolish drinking of alcohol and to lay down rules for prohibition for his followers. The modern countries are now realising the evils of drinking and the leaders are making their countries dry.

24. He has taught to the Muslims not to go to war except in self-defence and when actually engaged in warfare neither to kill nor injure old persons, women, children and those who do not want to take part in actual fighting and not to destroy religious places of any creed where God is worshipped or residential places of people. Civilised Europe and America are dropping bombs from the air ruthlessly and are killing those who have nothing to do with the war in spite of lofty teachings of Jesus Christ (may peace be on him) whom these countries profess to follow. When he entered Mecca, he forgave all who had persecuted him and his followers. This generous treatment towards the

vanquished not only restored peace in that country but turned his avowed enemies into his staunch supporters. If his example of magnanimity is followed by the conquerors in the present war genuine peace may be restored on the Earth.

25. He teaches you to be kind to animals, birds and insects and not to kill or injure them unnecessarily.

26. He asks you not to overload the animals used for the purpose of dragging or carrying loads, and asks you to feed them properly and give them water when thirsty.

27. His ethics in respect of showing love and kindness to the creatures of God can be understood by his own actions and the illustrations he gave quoting the behaviours of the Patriarchs of the Israelites for the guidance of his followers. Out of innumerable instances three are given here :

(a) When he asks the Arab to take and put back the young of a bird, whom he had picked from a nest, and whose mother had followed him crying—he admonished that God Who loves all does not like it.

(b) When he tells his troopers to be careful that ants and insects may not be trampled

under their horses' hoofs. This is illustrated by quoting the verse which is entertained by ants of being crawling under Solomon's cavalry.

- (c) When he gives illustration of Ayyub who used to replace the crawling insects which dropped from his wounds saying that God had provided their nourishment on his flesh. The highest ethics that can be taught.

28. His ethical teachings towards plants and trees are numerous. His revolutionising morals and ethical teachings are so many that it is impossible to narrate them in this small book but they have created an everlasting impression on the minds of human beings. His whole life and all his actions and sayings are based on love and ethical teachings. Only a few have been mentioned above.

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