

## INTRODUCTION

**Hand rules** in scientific subject fields, were born whereas the realistic mechanism of the **Natural Phenomenon** was not observed by the founder. Moreover, only the measurable physical parameters of the **Natural Phenomenon** were addressed in theorizations. However, that much of the finding was more than enough to enhance the practical benefit upon the Global Human Community and thence, the fundamental study came to a stop.

**Electricity, Magnetism and Gravity** are some of such main subject fields of which further explorations to find the root causes of the **phenomena**, had been delayed through centuries. As an adverse effect of that, the followers are naturally inclined to **believe** the theories, and hand rules as well, without challenging.

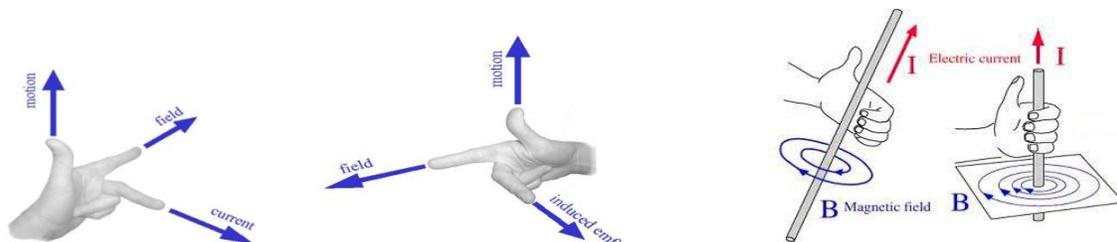
The physical parameters related to the **Natural Phenomenon** of **Gravity**, were brilliantly addressed by Sir Isaac Newton, the Scientist of the era, and his findings have proven ever since, a marvelous yield upon the subject field & the mankind as a whole. The applicability of his theories has been proven not only on this planet but also in the outer space as well.

But what happen today? Even a layman of the field says “Gravity is not found”. That’s for no other reason but due to the only mistake, that the scientist had not explained the **mechanism behind the Phenomenon of Gravity**. (Pl refer ‘Space Dynamics-V2’/2009 for more about the subject matter)

This experimental monograph ‘Space Dynamics-V5’ is aimed to explain mainly;

1. **The Unexplained Mechanism behind the Hand Rules in Electromagnetism** (this should only be a value addition to the marvelous findings by the great scientist ‘Fleming’/1898.)
2. **Energy based behavior of the Space Matter.**
3. **‘Line Living Worlds on Earth’** beyond the reach of Science.  
(yet to be continued)
4. **The Time Dimension**( yet to be continued)

## 01. THE UNEXPLAINED MECHANISM BEHIND HAND RULES



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## *HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

### WHY?- WHY NOT?- AND HOW?

- 1.1 A good analyzer has to create some questions in his mind before starting any exploration.
- Why does Magnetism **attract** things?
  - Why does Magnetism **distract** (repel) things? (Gravity doesn't repel things)
  - Why Magnetism does influence upon only a few selected materials?  
(Gravity attracts all **the atomic matter** with no difference)
  - Why doesn't Magnetism exist without **poles**? (Gravity exists in spite of poles)
  - How does **Electricity** incorporate with Magnetism? (Gravity incorporates with neither Electricity nor Magnetism)

### 1.2 ATTRACTION & DISTRACTION

**Attraction** or **Distraction** as a whole, could not be a magical force and there should be a **realistic mechanism** behind. If you want to take the glass of water on your table, you have to **touch** it and **drag** by your hand or unless otherwise it won't do.

If not, you have to create a vacuum somehow in between the glass and yourself so that, it must be pushed automatically towards you by the atmospheric **pressure gap**.

Magnetism too can be explained by the aforesaid simplest alternative, but it is not the atmospheric medium in which the pressure gap is created. Atoms of the surface of a magnet turn in a certain **array**, to create a small **medium vortex** which is driven by the collective influence of the rotating **electron clouds in atoms**.

The reader has to accept the existence of the **space medium** (Eatheric medium) at first, or otherwise mechanism behind magnetism could never be understood. (pl refer 'Behavior of the three **Fundamental Space Matter**'/ Space Dynamics-V1-2009 /reference links are furnished at the end of this letter)

### SPACE MEDIUM MATTER

#### **Is Vacuum Empty? :**

As it was taught in the school days, a vacuum is created when air is removed from a glass tube. But in reality, that vacuum is not empty and it is filled with a certain medium. That medium is made up of finer particles than atoms of which the **Existence** has been deduced and physical parameters such as **Density** and **Pressure** have been derived mathematically. (pl ref. Space Dynamics-V1/2009)

#### **A MAGNET CREATES A VORTEX**

**Atoms** of any magnet (permanent or electric) has turned in a certain array such that, the space medium at the locality is moved creating a small **vortex**. Only the **atoms in iron (yield steels)** as

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a substance, are capable of turning their **polar axis** to suit the vortex dynamics. Therefore only steels may become magnets and they themselves only are succumbed to the influence of magnetism.

### ELECTRIC MAGNETS

Any current carrying conductor too, creates a magnetic field around, owing to the ability of **electrons** to move the **space medium**.

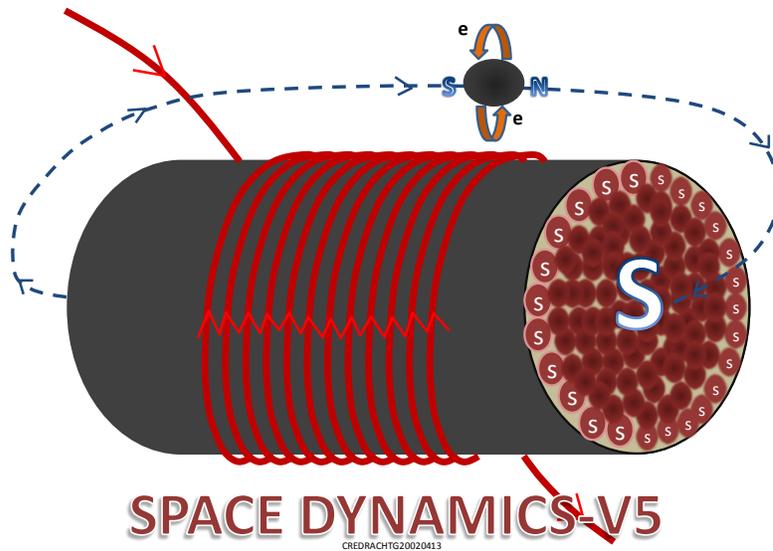


FIGURE-01

A rod of mild steel becomes a magnet with two poles when a current carrying conductor is wrapped around with many turns as a coil. Magnetic poles are reversed as soon as the current is reversed. It indicates that a **flow of electrons** has the ability of turning **atoms** in mild steel in a certain array such that a **vortex in the space medium** is formed. **Rotating direction** of the medium **vortex** is the same direction of the **current flow** in the coil.

If we can put a single atom of iron within the magnetic field, as shown in figure-01, it turns its polar axis in the **opposite** direction that of the magnet. The same thing happens if a small piece of steel is placed within the field because all the atoms in that metal piece turn in the same array by creating another **small magnet** and a vortex. When dust of iron is spread in the field, all particles get together in **rows** being polarized. This pattern on a paper is called as the magnetic field.

But why don't they all being attracted at once towards the body of the magnet rather than creating rows?

### 1.3 PERMANENT MAGNETS

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Permanent magnets are not mild steel but high carbon steels in which **carbon** is mixed with **iron**. When carbon atoms are also occupied in the molecular structure of iron, the **polar array of atoms** cannot be changed on their own and therefore **polarity is preserved**.

But in the melted stage iron atoms can turn independently and therefore permanent magnets are made by polarizing the carbon steel electrically at the melted stage. After being cooled down the polarity remains in them permanently.

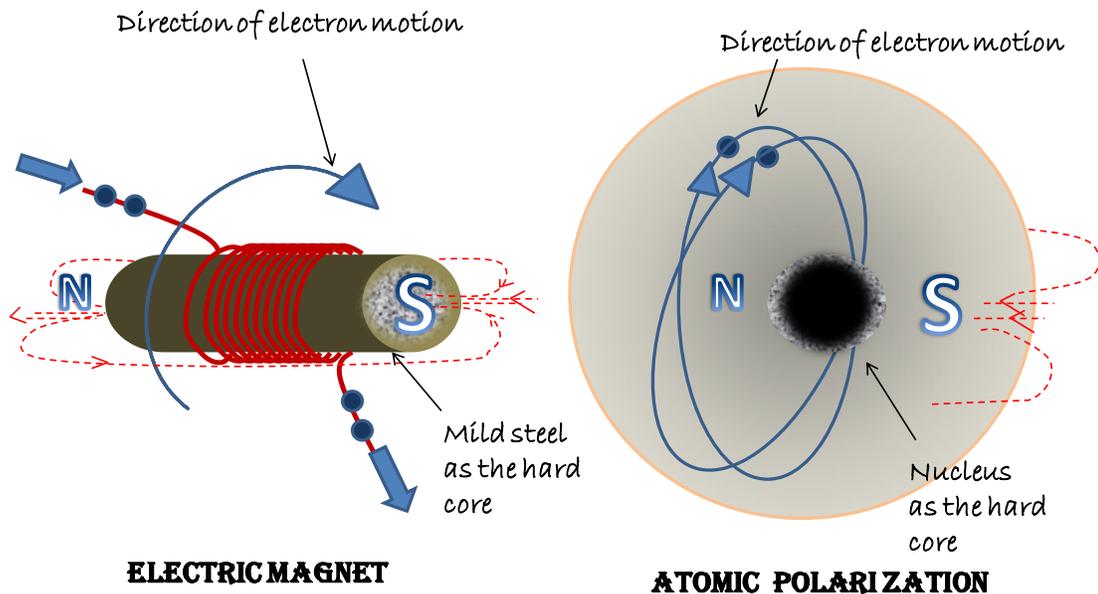
But some reasonable questions must arise there such as;

Do atoms of all the substances be polarized?

How could atoms be polarized?

HOW CAN ATOMS BE POLARIZED ?

**SIMILARITY OF ATOMIC POLARIZATION TO AN ELECTRIC MAGNET**



**SPACE DYNAMICS-V5**

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**FIGURE-02**

An atom of any substance can be considered as a small **electric magnet** with two magnetic poles. How could it be polarized? As shown in the figure-02, a directional rotation of a flow of electrons (a current) around a metallic hard core creates an electric magnet. Similarly in the

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**atomic structure**, a cloud of **electrons** is rotating round the **hard nucleus**, resulting **polarization** of the atom with two poles of infinitesimally small strength.

High school students know how electrons rotate round nucleus in **orbits** of different energy levels. Some of them are moving in zigzag way orbits. But it was not clearly mentioned anywhere in the subject that, all the electrons are rotating in the same direction about the **polar axis** . So we have to clear it hereby such as;

Millions of solar systems in a Galaxy , are rotating almost in the same direction of the Galactic Vortex.

All the planets in a Solar System rotate almost in the same way of the Sun's spinning direction.

All the natural satellites (Moons) of a Productive Planet, are orbiting in the same direction of the planet's spinning.

On the same logical basis, electrons of an atom must be rotating in one direction to conserve the order of Rotary Systems in the Nature.

At the same time nucleus of an atom, must be rotating of the same direction of the rotating electron clouds.

## 1.5 ROTARY SYSTEMS IN THE SPACE

There are only two kinds of rotary systems to be observed in the nature such as;

### Gravity Based Rotary Systems :

Whence the gravity source is rotating, the **subordinate objects** in the gravitational field are either **attached** to the source or **rotated about** in the same **spinning direction** of the source.

The best example is the **Solar system** in which all the planets are orbiting the main gravity source, almost in the same direction of the Sun's spinning.

Also the **spinning planets** possess natural satellites (moons) which are rotating almost in the same direction of the planet's spinning direction.

The phenomenon is explained by the 'Theory of Gravity Deviation' such as; a **lateral force component of gravity** is applied to rotate the objects

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around the source. (please refer 'Space Dynamics-V2/2009 for the theory of Gravity Deviation)

Vortex Based Rotary Systems:

We are familiar with the **conical vortexes** at water gates. Tornados and cyclones are the other examples of vortexes of the sort. But majority of the people, are still not aware of '**Spherical Vortexes**' in the nature.

A Galaxy is the best example for that and millions of solar systems and clouds of gases and dust are rotated about by the spherical vortex. There are two types of galaxies mainly such as; '**Expanding Galaxies**' and '**Contracting Galaxies**'. Matter is being expanded along the **4<sup>th</sup> Dimension** in the Expanding Galaxies and matter is being contracted in the Contracting Galaxies. (pl refer "Star Mechanism"/2011 for more about the dynamics in the macroscopic scale of worlds)

A star is the other example for a spherical vortex in which matter is further expanded in to energy and space medium matter.

A spinning planet is the best example for the spherical vortex of **mass contraction**. It absorbs energy mass from Sun and produce atomic matter in the core. It could look like an expansion at the first glance when you observe departing tectonic plates on Earth. But fundamentally it is a **contraction of matter** because energy matter(flux of electrons from solar wind) is absorbed to produce magma inside of such Productive Planets. (pl refer Earth Mechanism/2011 for more about the Spherical Vortex and Productive Planets)

**Atom** is the other good example for mass contraction in the space and it is a spherical vortex of charged particles.

*You cannot either **watch** or **touch** an atom because it is very far from you being a rotary system far contracted in to the next world of the **dropped scale**. Neutrons are further contracted form of mater and even though you get one of them on your palm, it is really thousands of light years far from you along the direction of **the 4<sup>th</sup> Dimension**.(pl ref the monograph on 'The 4<sup>th</sup> Dimension and Worlds of Different Scales' /SD-V4/2013.)*

Atoms in whatever it is of a substance are **polarized** but they don't stand together to show their collective strength of polarity. Only atoms in steel can do that magic of **turning atoms** without changing the molecular structure. But that ability too is dropped when carbon is mixed with iron.

**1.6 WHAT IS A MAGNETIC FIELD?**

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1.61 **Direction** of magnetic field is **just a concept** created by scientists and it has no significance at all. Some people firmly believe that something like a magnetic flux is moving in that default direction. But nothing is moving in the so called field direction and the **space medium** is always moved in the rotating direction of the **medium vortex**. That is simply the same direction of the **electron flow**.

But in the default concept, the field direction is defined such as the path of a north pole if it is placed in a magnetic field. Iron dust put on a paper nicely marks the magnetic field pattern as shown in the figure-3, but they don't move in any direction.

Though the conceptual directions are marked in the field lines in figure-03, the **space medium** is moving in the vortex **perpendicular** to the **field lines**.

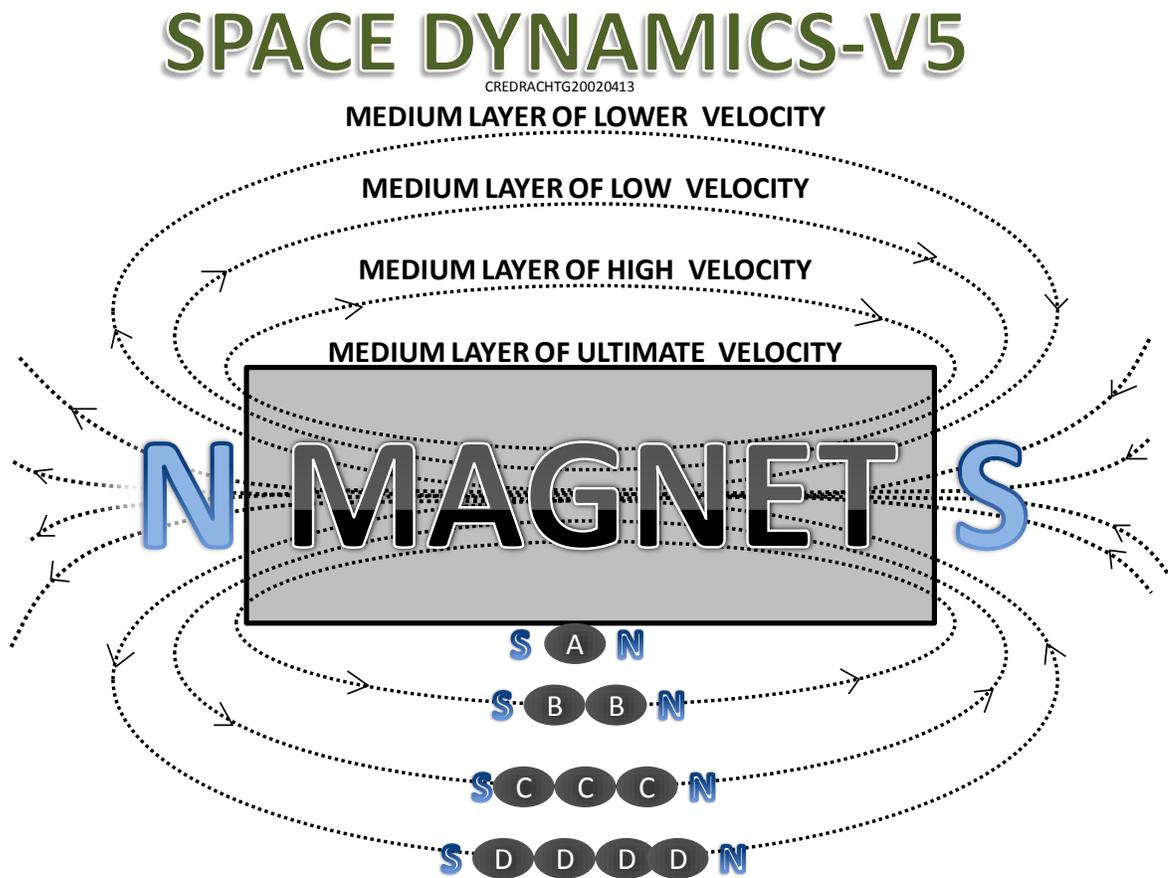


FIGURE-03

1.62 If a small piece of iron 'A' is kept in the field, it is polarized and just attached to the surface of the magnet due to attraction. But a wooden piece would not do the same because it is not polarized. Direction of polarization is clearly indicated in the figure-03.

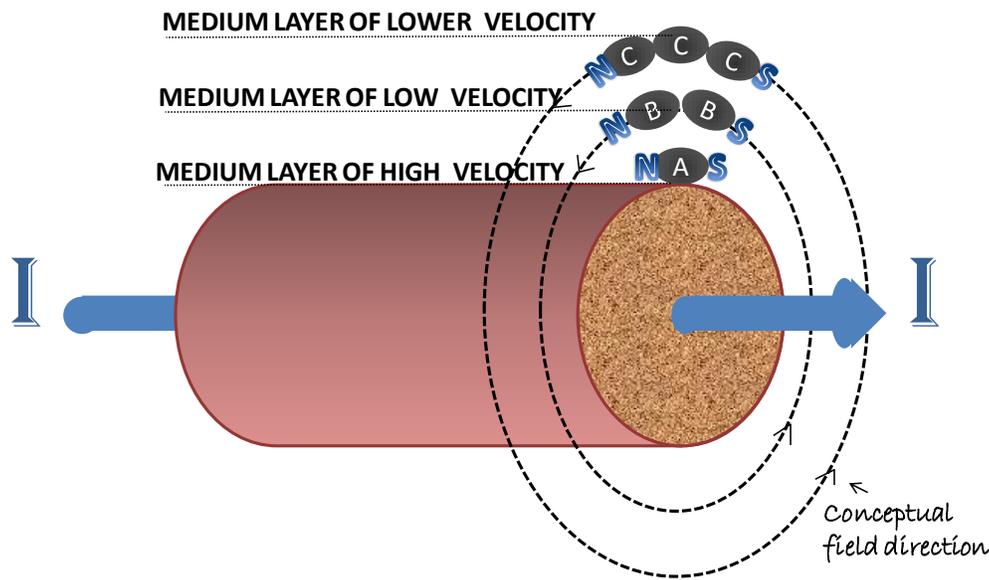
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What will happen if many iron pieces or iron dust is spread in to the field? All that could be attached to the body of the magnet? No, only a single layer is attached like a shell, to the body and the rest stay gathered in **layer by layer** at different distances to the magnet. But the same phenomenon can be demonstrated **linearly** if you put a paper on a magnet and iron dust is spread upon the paper in rows.

How could the second row 'BB', as shown in the figure-03, rest at a certain distance to the magnet? Layer BB has the opposite polarity and therefore attracts by the mother magnet. At the same time BB layer is repelled by the bottom most layer A, because they are of the same polarity. Then BB layer has to rest at where, the two forces are at equilibrium. Similarly preceding layers too are formed and this linear exhibition on a paper is called a **magnetic field**.

## 1.7 A CURRENT CARRYING CONDUCTOR

You can't move the space medium by your hand because the particles are so infinitesimally finer and they pass through your hand almost with no resistance. But a **flow of electrons** can move the **space medium**.



# SPACE DYNAMICS-V5

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FIGURE-04

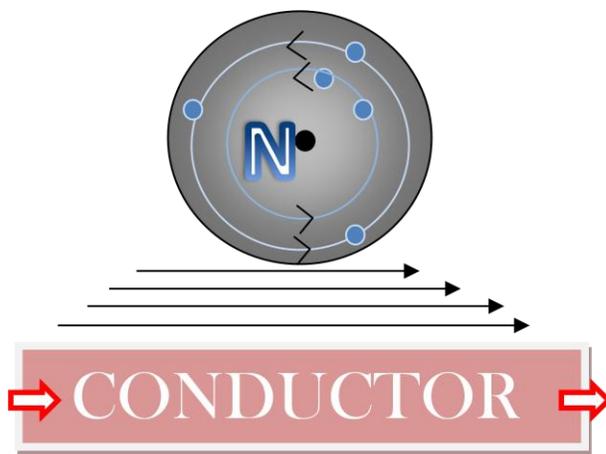
**1.71 Field around a Current Conductor :** As shown in the figure-04, the medium matter is pushed forward to move by the flow of electrons in the conductor. Velocity of motion of the

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medium is decreased gradually with the distance to the conductor. Therefore a circular rows type of a field pattern could be observed on a paper.

**1.72** What will happen if an atom of iron is kept in the magnetic field around a current carrying conductor?

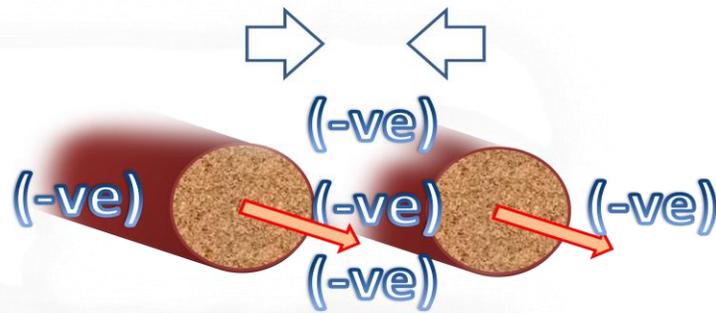
As shown in the picture, the atom turns then in such a way that, rotation direction of the electron cloud is tally with the current flowing direction in the conductor.



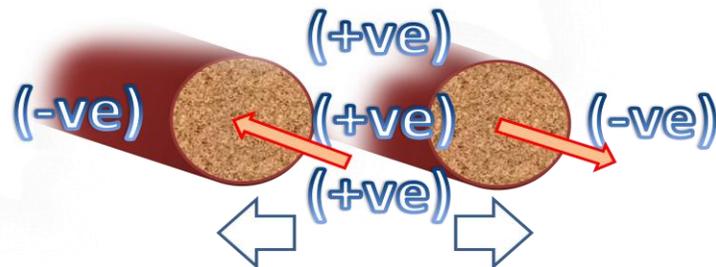
**An atom is known as a rotary system. Space medium is moving faster at closer to the conductor. So the atom turns itself to support the medium flux as shown in the picture.**

**In case of a small piece of iron, all the atoms are turned on that array and then it is recognized as polarized.**

**1.8 ATTRACTION BETWEEN CURRENT CARRYING CONDUCTORS**



Case-1: Attraction –when current flows in the same direction

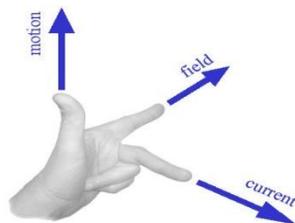


Case-2: Repellent - when current flows in opposite direction

As shown in case-1 of the picture, the space medium in between the two conductors is moved faster by the push of current flows in both conductors. Pressure drops down in a fluidic medium whereas velocity goes up, as clearly explained by **Bernoulli's theory**. The negative pressure created between the two conductors makes them attract.

In the 2<sup>nd</sup> case when currents in the conductors are flowing in opposite directions the medium flow between conductors is heavily disturbed to rise the pressure up. Then a **repulsive** force is developed to depart the conductors.

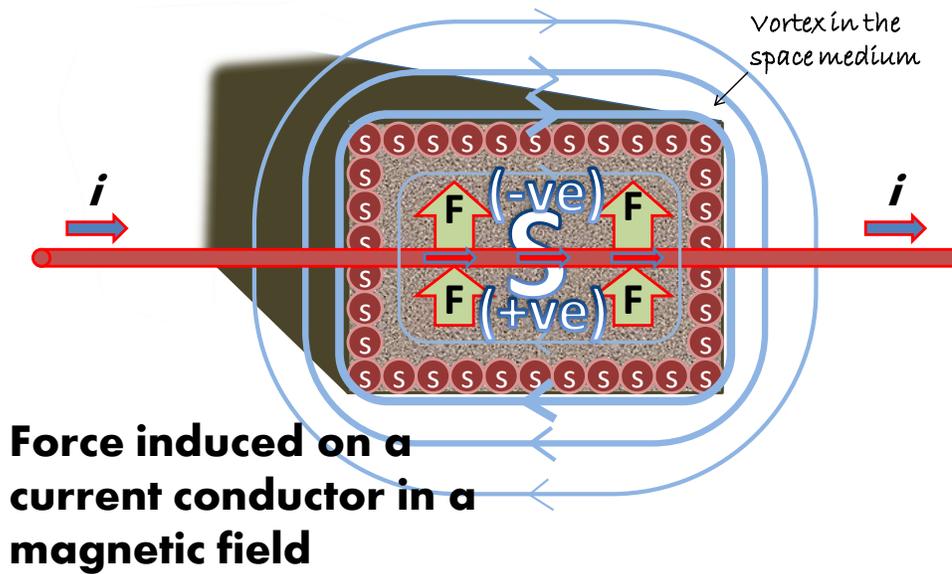
### 1.9 MECHANISM BEHIND THE LEFT HAND RULE :



It is not necessary to use hand rules if the mechanism behind the phenomenon is observed.

#### Principles:

- A magnet creates a small vortex in the space medium
- A flux of electrons can move the space medium



## SPACE DYNAMICS-V5

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FIGURE-05

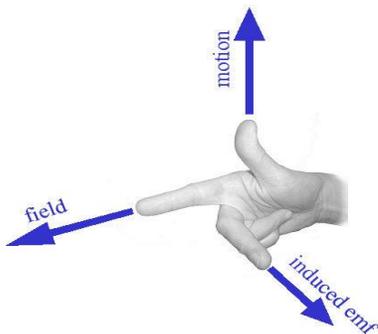
Flow of electrons in the conductor and the direction of the medium vortex are of the same direction in the upper part and that is opposite in the lower part and simply Bernoulli's theory explains how the force is induced to move the conductor.

Recommendation:

Magnets should not be of sharp edges because the vortexes prefer curvilinear paths to be more efficient.

### 1.91 MECHANISM BEHIND THE RIGHT HAND

#### RULE :



It is not necessary to use hand rules if the mechanism behind the phenomenon is observed.

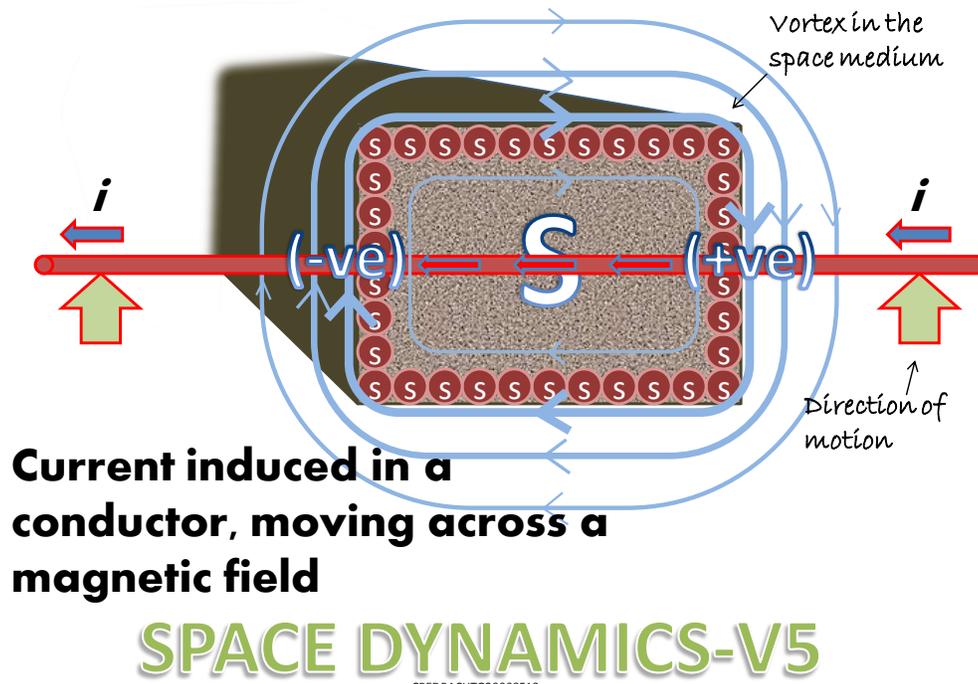
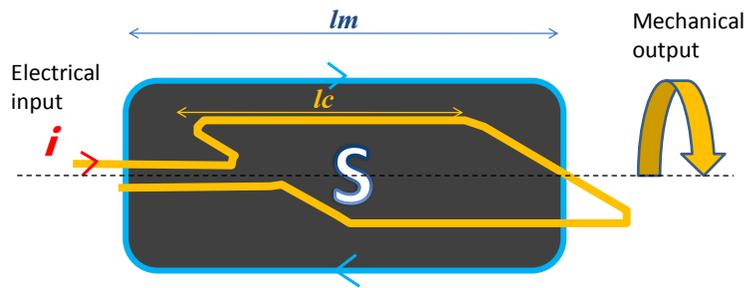


FIGURE-06

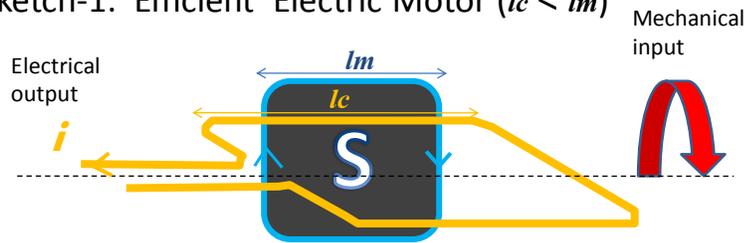
As shown in the figure-06, the conductor is moving up across the medium vortex created by the magnet. The conductor cuts the maximum velocity fluxes of the vortex at **two points**. **Negative** pressure is developed at the point where both conductor and the flux are moving in the same direction. **Positive** pressure is developed where the directions are opposite. Due to this **pressure gap** electrons of atoms in the conductor are **extracted** and **pushed** in the direction from positive(+ve) towards the negative (-ve) as shown in the figure. That **potential difference** is capable of creating a current in the conductor.

### 1.92 MORE EFFICIENT MACHINES:

Machines such as electric motors, dynamos or alternators could be made more efficient if the phenomenon is clearly understood by the inventors.



Sketch-1: Efficient Electric Motor ( $l_c < l_m$ )



Sketch-2: Efficient Dynamo/Alternator ( $l_c > l_m$ )

As shown in the sketch-1, maximum mechanical output from a motor could be expected if the moving coil length 'Lc' is lesser than the magnet length 'Lm'. Also the distance(gap) between any two magnets must be big enough or otherwise the strength of the medium vortexes could be **faded out** by meeting opposite fluxes closely in face to face.

As shown in the sketch-2, the coil length 'Lc' must be longer than 'magnetic length 'Lm'' because the moving part should cut the **entire vortex** to create the maximum potential difference in the conductor. Also in this case the gap between any two magnets must be as small as possible to minimize the opposite torque induced due to the created current in conductors.

## 2. ENERGY BASED BEHAVIOUR OF SPACE MATTER

### 2.1 DO ATOMS CONSUME ENERGY FOR EXISTANCE?

What are the three Fundamental Space Matter?

Answer from a student could be 'Solids', 'Liquids' and 'Gases' but those are only the **three stages** of the same **atomic matter**. But fundamentally there are three categories such as;

#### 1. Space Medium Matter:

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Galactic Wind, Solar Wind, Electrons, Heat and Light are susceptible to create the **Medium** for the universe whence they are stopped by **losing speed**. *Have you ever seen an electron when it is stoped?* The **space medium** has a **density** of  $9.55 \times 10^{-4} \text{ g/cm}^3$  as per the mathematical derivation (Please refer Space Dynamics-V1/2009-the reference list is furnished at the end of the letter)

## 2. Energy Matter:

Light, Heat, Electrons, Solar Wind(weak) and Galactic Wind(weak) can be considered as Energy Matter. Other electromagnetic energy rays are not considered as energy matter even though they transmit energy in them.

## 3. Atomic Matter:

Solids, Liquids & Gases are belonged to this category and they respond for **Gravity**. Also inner atomic particles such as **Neutrons** and **Protons** (*an ionized neutron is called a proton*) too are belonged to this category but they don't respect **gravity in our scale of the world**. They are the mass packages of '**Moola Atoms**' (atoms from the world of the next **dropped scale**).

They respond for '**Moola Gravity**' the gravity between nucleuses of atoms. **Tensile strength** of steel is used in building constructions. You would not find this quality in steel unless there is an **attraction** between any two iron atoms fundamentally. Then what is that attraction Electricity? No. Is that Magnetism? No. Then is that Newton's Gravity? No. That is the Gravity in the next **world of the dropped scale** named as '**Moola Gravity**'. Then **dark matter** can be defined as the atomic matter from the next world of the dropped scale, '**Moola Atomic Matter**'. The drop is of the level  $10^5$ . (Please refer 'The 4<sup>th</sup> Dimension and Worlds of different Scales'/Space Dynamics-V4/2013)

Why Gravity doesn't attract Medium Matter and Energy Matter?

Gravity is created by a **strong wave** through the **space medium** and it cannot make any influence upon the matter which doesn't possess an inner **dynamic rotary organization**.

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Light, Heat or Electrons don't respond for Gravity at all. Energy rays such as Light, can slightly **bend** at massive gravity sources but that is not because of gravity. That is simply because of the **medium pressure drop** due to high **wave density** at the gravity sources. (please refer Space Dynamics-V2/2009 for 'The Mechanism of Gravity')

### 2.3 Is there any motion in the space without consuming energy?

*The space medium is resistive and any motion in it (linear or rotary) could be lasting unless energy is regularly consumed.*

For an instant, **Light particles** are gradually slowed down to become Heat particles at first, and thence they are expanded gradually in to **still space medium particles**. Similarly, Solar & Galactic winds (velocity dropped projected fluxes of electrons) slowed down ultimately in to expanded **medium particles**, extending boundaries of the universe.

Therefore the highly dynamic rotary organization, in an atom could not sustain unless energy is regularly **pumped** in to the system. They absorb energy from the surrounding.

### 2.4 How can we prove that atomic matter consumes energy?

Let's take some **cheap** objects of different substances such as; a piece of metal, a piece of rock, a piece of wood, a bottle of water, a bottle of any oil, a gas filled balloon etc. and keep them in a **dark room of low temperature**. By the next day open the room and start touching the items one by one and you will observe that the objects of **denser materials** are **cooler** than the others.

The metal piece was the coolest to feel because it absorbs heat even from your hand. Then you can come in to the logical conclusion that, "*Atomic matter consume energy and therefore it could no longer exist anywhere at absolute zero of temperature*".

In absence of light & heat energy to consume, the atomic matter should be **restructured** in to **more finer** forms **by contracting** along the 4<sup>th</sup> Dimension. Dark matter requires less energy for existence. (please ref 'Star Mechanism/Space Dynamics-V3/2011 for the **fundamental cosmic reactions-FCRs** )

Why Atoms need Energy to Survive?

There are lots of observations to deduce that the inner dynamic organization in the atomic structure is a *Centripetal Spherical Vortex of charged particles*. That's why atoms are **polarized** to create **magnetism for our world**.

Light and heat particles play the role of **electrically negative** charged particles with **infinitesimal charges** on them. (they are the electrons from the world of the next **Dropped Scale** /please refer the monograph, 'The 4<sup>th</sup> Dimension and Worlds of Different Scales'/2013). So atoms consume energy to maintain the **spherical vortex**, the inner dynamic organization.

### 3. WORLDS BEYOND THE REACH OF SCIENCE?

What can Man see?

It is accepted by everybody that, any **object** is observed by human eye, only if the **light rays** that hit upon the **surface** of the body, are **reflected** back to reach the eye.

But a clever logician may ask the questions;

*'What is the fundamental material there on the surface of a body?*

"Atoms".

*'What part of an atom is capable of reflecting back the light rays?*

"Perhaps it must be the electrons that rotating about the nucleus"

*'No, rotating things cannot reflect light rays perfectly'*

"Then it must be the nucleus at the center of the atom"

*'What is the size of a nucleus in comparison with an atom?'*

"It is generally 100,000 times smaller than the atom"

*'No, Nucleus is not the culprit, because if he does, then the picture could not be perfect. Isn't there any boundary skin for the atom?'*

The Scientist of the 21<sup>st</sup> century cannot answer that question.

Then it must be the **skin boundary** of the atom which was capable of reflecting the light rays back. But existence of a skin boundary for an atom has not yet been **accepted** by the science. (please refer 'Space Dynamics-V1/2009' for 'Skin Boundary of Matter' and mathematical derivation too for the mass of the skin boundary of a hydrogen atom)

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*HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

*However the people of logical thinking would accept that, objects are observed by human eye only if **light rays are reflected** by the surfaces of the objects and surfaces must be covered by **skins** rather than spinning electrons or nucleuses.*

On the other hand, the rotating electron clouds around the nucleus should scatter the light particles here and there in **every direction** unless the atomic structure is covered by a **skin boundary** which is at **stillness**.

**Earnest Rutherford/1911** has found that electrons radiate energy (light & heat) when they are accelerated. Also we often observe that a flux of **electron** is jumping between terminals **radiating light & heat** in arc welding. Due to the resistance of the atmospheric medium, the surface skin of a moving electron is **sheared** to emit light and heat energy particles out. Not only in arc welding but on the surface of Sun, the same thing happens to create light for our worlds. Electron rays don't radiate energy during they travel in the vacuum. But they are sheared to **project light & heat** rays whence they travel in the solar atmosphere. Therefore a **frictional medium** is an essential requirement for electrons to radiate light.

**Sir Isaac Newton/1687** had identified Light as a **line projection** of tiniest **particles** like ping-pong balls which are elastic at collides on surfaces.

Space matter as a whole, is made up of tiniest particles like **balloons with boundary skins**. Only atomic matter out of them, posses a dynamic inner rotary organization inside of that balloon.

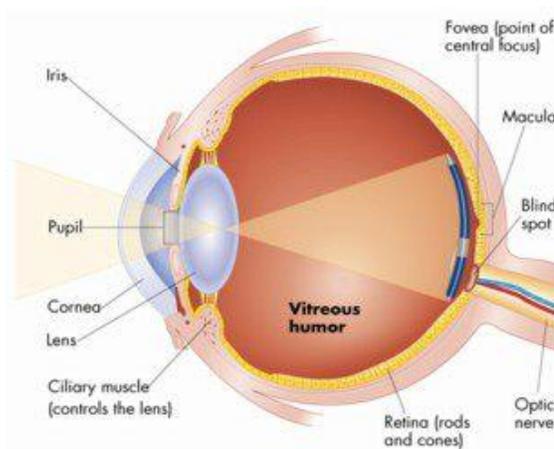
***Skin Boundary of Matter*** has to be accepted by the **Science**, even at this very late stage **by the 21<sup>st</sup> century**, or otherwise, cleaver **Logicians** and **Detectives** would no sooner start **reasoning out** the things for World Realities by keeping their criminal investigations aside. . (pl ref 'Space Dynamics-V1/2009 for the theory of skin boundary of matter)

The discipline of the Modern Scientist, by the 21<sup>st</sup> Century, seems highly academic, over methodical, and too much instrumental but **not logical**.

*HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

You cannot see the daylight, the light rays emitted from Sun, till they start radiating in the atmosphere due to **frictional resistance**. That's why the night sky looks so dark and it is so brilliant in the day time.

Whence **light particles** travel through a **frictional medium**, they too start **radiating** like electrons due to **shear friction** of the medium. That is just like how meteorites make fire as soon as they enter in to the atmosphere. Similarly the light rays that reach in to your eye must be **fired** due to the shear friction of the **vitreous gel** in your eye.



Light rays that comes in to a human eye, must be **strong enough** to **radiate** energy due to the **medium friction** in the **vitreous gel** in the eye or otherwise the **optic nerves** would not

*Then the logic comes, 'Man cannot observe the **Things**, which reflect light rays of **low strength**, below the required firing level in the vitreous media in human eye.'*

The solar radiation of light hits upon body surfaces of objects and then reflected with lower strength because some energy is always **lost in collides** upon surfaces.

There are light rays of different energy levels, frequencies and of different particle sizes. Simply you would observe the difference between light from a florescent tube and that of radiating from a filament bulb. Animals as a whole have the ability to observe things in the dark and perhaps their eyes are capable of making even the weakest light or heat rays fire, to glimpse by their optic nerves.

### 3.2 What is not observed by Man?

It is clear that only the objects of **atomic matter** are visible for man. The materials of glass, plastics and some liquids are transparent but the phenomenon is a quite different one. The crystallized structure or molecular structure of such materials allow light rays to go through without reflecting but even though a small percentage is always reflected or unless you would not see them at all.

*Light gasses are not observed by man, but why?*

They are of low density and the atomic structure is not so dense. In other words the **balloon like skin boundary** is not hard. Harder surfaces reflect light rays **strongly** back while soft surfaces do it **weakly**. **Weaker light rays** are **not fired** in the vitreous gel of human eye and as a result man cannot see light gasses.

Other two fundamental space matters such as **Medium Matter** and **Energy Matter** could not be observed by man at all. But energy matter is observed only **by radiation of light** when it is **fired** through a **frictional medium**. A lightning stroke is the best example for that.

Even light rays themselves, being the energy matter, could be fired to radiate some finer sort of a light, when they are travelling through a frictional gassy or liquid medium. **Daylight in the sky** is the best example for that.

But the most important thing is, energy matter cannot exist in anywhere in the space without moving.

*Space **Medium Matter** is the most wonder full matter among all others because it can travel and stay without moving as well. Space medium matter is made up of particles more like balloons and they also have a mass.*

**Mass** of a space particle is born only by the **skin**, a soft membrane, which is also made up of tinier medium particles. (The mechanism how the skin particles are tensioned together as a membrane, is explained in the monograph 'Space Dynamics-V1/2009).

Then the figures of **objects** or **Beings** (if there any) which could be made up of this **wonderful material** (medium particles), they could not be

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*HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

observed by human eye because light rays are **weakly reflected** by their balloon like soft skin surfaces.

Weakly projected light cannot be read in human eye. Perhaps by means of improved optical apparatus, man would be able to observe more **world realities** in future even though you name them as **mysteries** at present.

### 3.2 THE MATTER SHOULD NOT BE ADDRESSED:

It is obvious that there is a vast gap between **Science** and **Religious beliefs**.

Science rejects other philosophies as **myths**, while others condemn science as **default**.

Scientists don't accept anything without testing by use of their **experimental** and **mathematical** analytical tools.

But the people with open logical minds are willing to know the world **realities**.

*God and the **spiritual worlds** are still very far from Science but to be frank, majority of the scientists believe in religious philosophies even though they could not prove it by their **laboratory experimental discipline**.*

However the art of '**Scientific Deduction**' uses **logics** too, as a main **analytical tool** and it admits the **existence** of other **Line Living Worlds** upon this planet beyond the reach of the so far developed science.

The **materials** that we are given to make our bodies in this **biotic world**, are **short lasting** and therefore **not good** at all, as you all agree.

How poor the analytical tools of so far developed science, if we cannot at least **sense** the **Astral Body** behind the human **Biotic body**?

***Mind** is living with the **astral body** but not with the short lasting **biotic body** as it could be simply deduced, but how many **centuries** will science take to **develop necessary tools** to test such **realities**?*

Perhaps the **man kind** could have been **gone** from the Globe by then.

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*HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

But Science itself is built upon many **assumptions** and **imagnations** or otherwise how could they say there is a **hard core** in this Earth?

Who is the scientist visited to see the core by penetrating the red hot magma shell?

But realistically earth is a **hollow globe** as per the scientific deduction. Not only Earth but also all the **productive planets** which are spinning about themselves and having natural satellites in possession, are hollow Globes. But how long will science take at least to reject the concept? (pl refer 'Theory of Inverted Gravity and Formation of Hollow Globes'/SD-V4/2012)

*However the **science** and **religious beliefs** should not be placed always at the both **extreme ends** by the explorers. Because there are many **acceptable realities** in both.*

Science in the planet could have been much **more developed** by the 21<sup>st</sup> century if scientists tended to **test** the religious philosophies too at least in the aim of **rejecting**.

*However due to this **vast gap** created between **science** and **religion**, the **lost opportunity** for the world is the right of mankind to know the **truth** before dying.*

## 4. THE TIME DIMENSION

What is Time?

*"Time is the space between any two changes and it doesn't elapse whereas things don't change".*

Units for **time** and **distance** as well, are such as accepted by **conventions**, but just **conceptual measures**, which could be **elastic** relative to the scale of the **observer**.

**Velocity of light** in the free space is the only reliable and solid **landmark** to step upon by any **explorer**, who could be bewildered in this deep extend of fundamental studies.

Does **time** have different **dimensions**?

*No, time is Non Dimensional and never it Reverses.*

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*HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

But how is that, if time has two **directions** as **Past** and **Future**? And also, there are some people of rare talents who read the past and spell the future. How could they read the past without reversing of the time?

*There are four dimensions for **Distance** and as a result **Time elapses differently** on each dimensional frame.*

For an instant **one second** is the unit time defined relative only to the **1D linear frame**. In that definition;

**one second = time taken by light to travel  $2.998 \times 10^{10}$  cm.**

But consumption of **Time** in other dimensional frames is more than one second. For an instant in **2D frame** of areal extending, **unit time** is **39.48 seconds** . (please await for the mathematical derivation and detailed analysis in the next experimental monograph 'Space Dynamics-V6' which is yet to come.)

On that way, time elapses wonderfully **slow** in **contraction** along the **4<sup>th</sup> dimension**.

*The great scientist 'Albert Einstein' of the 20<sup>th</sup> century seems to have struck upon this phenomenon (as the 1<sup>st</sup> scientist to find it) and he addressed it as, 'curvature of space time'.*

(But the analytical path that he selected to reach towards that reality seemed so difficult that I had to cut a new path for me through the thick jungle).

However ultimately it is not a magic but, the **Past picture frames**(formed by reflected light rays) can be observed during their **contraction** along the **4<sup>th</sup> dimension**.

Human eye in the **biotic body** with the help of any improved optical apparatus won't catch the **contracting picture frames** from the **past** but

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*HIDDEN WORLDS BEYOND THE REACH OF SCIENCE*

perhaps if you try, your **mind** would do that magic by incorporating with your **astral body**.

There were several human beings in the past who had developed that **supreme mentality** as recorded. **Buddha**, the founder of the religious philosophy Buddhism, lived in about the 6<sup>th</sup> century BC, was known to have the ability to read millions of years back even to trace the periods of former 28 number of Buddhas in the past. But his future forecasting seems a bit limited and only one Buddha's period is there to come after a disastrous world's end as it is said. Not only Buddha, but few of his followers too had achieved limited abilities in reading of the past.

The other man with that supreme ability as recorded, was **Edgar Cayce** /1877, an American lived at Virginia Beach. He has given a clear picture of **past ages** of human civilization and also has forecasted the future up to the next world's end.

*However if the world people are aware of the fact that, the **past carrier** of them was so strongly recorded in the **nature** and the fact that they are **transparent** for the **God**, they could have behaved well doing only **good** for themselves and for the rest in the society.*

But telling of the **future** should always be based upon **trend analysis** or **mental modeling** by fore feeding of **key data** screened by **logical framework** of **Nature Governing Factors**. That is because the **picture frames** of future could never have been formed till the **things** really come across to **happen**.

*(The exploration of the 'time dimension' is yet to be continued, and the entire content will be compiled in to the next experimental monograph 'Space Dynamics-V6')*

END

by

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**End Remark by the Author:**

*Perhaps the reader might misunderstand that I have touched a bad point that should not be addressed, in this paper. But to be frank, being an independent explorer equipped with different analytical tools, I could not have proceeded so further without, touching all the related facts which seemed to incorporate with the reality.*

*Our planet, Earth, is located within the suitable zone for life and living beings of biotic bodies cannot be expected beyond that region in the solar system. Similarly in the expansion of Space Matter from dark matter in to galaxies along the 4<sup>th</sup> dimension, there is a suitable phase for existence of life. Atomic matter is not the only available resource material there, for life and any explorer in my place, could have not rejected therefore the solid possibility for existence of other 'Line Living Worlds on Earth'.*

*Also, in the exploration of time, it is not possible to proceed without addressing of past and future and the art of reading the picture frames which are being contracted on the 4<sup>th</sup> dimension. Besides that a remark was given of the human beings of supreme mentality who lived in the past as recorded with ability of astral projection far in to the past and future.*

*Besides that, the term 'God' was mentioned there, because it is the term ever exists in the highest application of address by mankind. The reality behind the term 'God' must be unique even though, ever addressed by many different ways by different people all over the world. Regarding a particular subject matter, there cannot be two or three realities in the nature but only one.*

*Even Buddha has expressed of the 'King God' who is ruling two worlds of supreme beings (havens) and taking overall care over the mankind.*

*As such, there is no room for conflicts between people by name of religions unless they are blindly misguided by the damned short vision of the Devil.*