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Atomic Genetics and Origin of the Universe (HO = 72 km/sec/Mpc) Volume-1

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Abstract

Origin of the universe is still obscure. The reason being, one is not equipped with basic knowledge of structure of the matter, and atomic genetics as taught by a new science called participatory science. If nature breaks the matter, one would get its last and smallest particles called basic building blocks (B.B.Bs.) of which all fermions and bosons are composed. From these fermions and bosons all the matter of the universe is formed including human cell. These basic units are divine in the sense that they talk with each other by phenomenon called atomic transcription and translation. These are fundamental particles and atomic transcription and translation are fundamental working of the nature. These B.B.Bs. have power to transmutate to form bigger units of the universe like particles, atoms, molecules, cells, individuals, earth, solar system, galaxies etc. So, all effects of the universe are triggered by atomic transcription and translation or thought expressions. Before origin of the universe, these B.B.Bs. were in the form of tachyons. Out of the infinite tachyons one became the highest center of the universe. It had fed its thoughts to rest of B.B.Bs. that they would express only those thoughts to give desired effects as wished by highest center of the universe. Universe started with cold reaction. In this reaction cold dark matter was created. The density of the transformed universe before creation was low and the density of the CDM is very high. The density is defined by participatory science as number of basic building blocks per unit area. It would be discussed again in creation physics. So the space got vacated thus large volume of void was formed. Simultaneously in CDM layer by phenomenon of canalization , canals were formed and thus empty holes were there. At point T hot reaction started with the result hydrogen was formed from tachyons. There liberated lot of energy during the creation and thus holes which were empty started ejecting huge radiations and

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pristine conditioned wispy hydrogen clouds and thus white holes or QSOS were formed in the nature. These ejected clouds which were nearer moved faster than those which were away from the CDM layer and thus Hubble law appeared in the universe. Universe kept on expanding with formation of more CDM by cold reaction all around and hydrogen clouds by hot reaction at point T only. Void also kept on growing in size. After sometimes bright galaxies were formed by self gravitation. Early bright galaxies were very far from quasars that is why quasars are very distant object. Galaxies near the center of the universe are older while galaxies near the periphery are younger. Clouds at the edge are in pristine condition or they are just born (300000 years) from quasar. All points and the new model are towards an evolving universe not due to Big Bang rather due to creation which is still going inside quasars Thus our universe appeared into existence and all effects are triggered by atomic transcription or thought expressions. In atomic genetic engineering, (Technology more than speed of light) our B.B.B. talks with highest center of the universe via first transcription to shift abnormal thought expressions to normal thought expressions. Thus the diseased cells could be transformed into normal cells leading to less complications in recovery [14].

Keywords: Basic Building Blocks : Atomic Genetics: Atomic Transcription and Translation: Tachyons and Atomic Genetic Engineering

1. Introduction

The origin of the universe is a truth and this truth should be explained by one theory only. According to Hermann Bondi (8th Feb 1990), co-author of steady state theory, " It is 80% Big bang, 5% steady state and 15% unknown." None of the above mentioned theory explains creation of the matter (hydrogen and cold dark matter, CDM) which is the basic question, a burning problem and a big mystery that we face in the origin of the universe. I am proposing creation theory or hypothesis. This theory also predicts particles which move more than velocity of light. No other theory in physics can predict these particles as Einstein has fixed velocity of light as universal constant and nothing could move more than velocity of light. But there is an observation in astronomy which confirms existence of these particles. This observation is mysterious behavior of quasars i.e. high energy burst which is off and on from white holes or QSOS. Before we should discuss how to make new model of the universe based on different events, let us first see what are the events of big bang, event of steady state and unknown events or that cannot be explained by any other theory.

Events of Big bang (Gross events up to 8th Feb 1990)

a. Presence of back ground microwave radiation's indicating presence of the 2.7 degree above absolute thermal residue.
b. Change in linear relationship of the distance and velocity on the Hubble Law.
c. The mass/density change in space and time.
d. Positive curvature of the space.
e. Evolving stage of the universe.

Events of steady state Density distribution per unit volume remain the same as it was any time in past and will continue to remain the same at any time in future. Accepting the uniform separation of any one cluster from another, the theory goes on to say that matter is in state of continuous creation at a rate sufficient to accommodate a constant density value within the portion of space vacated by over all expansion.

Unknown events (up to 8th Feb, 1990)

a. Quasars and QSOS red shifts.
b. Cold dark matter problem : Scientists continue to estimate that judging from gravitational effects on galaxies and other large cosmic structures, 90% to 99% of the mass in the universe is hidden from view.
c. Galaxies spin and orbit one another faster than laws of physics allow.
d. Incidence of helium : There was too much helium for the amount of star light, 75% hydrogen and 25% helium.

New observations (after 8th Feb, 1990)

a. pristine conditioned clouds at the edge of the observable universe. (oct.,1990 university college London, university of Sydney, Australia)
b. distant young galaxies which are said to lie half way to the edge of the universe (Nov., 1990 Durham university England)
c. Giant super structures formation : these structures appear to be too vast to have formed since big bang. (Jan. 1991 Oxford university London)
d. Evidence of formation of galaxies in the recent epochs. (Nov., 1991 IUCCA Pune India)
e. Variation in cosmic microwave back ground, CMB radiations of this region i.e. 360 Degree sky. (May 1992 George Smoot LBL California U.S.A)

Miscellaneous effects

a. Traces of birth of galaxies traced : Patrick Petitjean of the institute D'Astrophysics De Paris CNRS and colleagues said they made their discovery while looking at a Quasar, a QSO, and the gasses surrounding it. (April, 1996)
b. The age of the universe is too small as calculated by the Big bang model. Cosmologist in Bonn, Germany now claim that universe is actually twice as old as the previously estimated age of 13 to 20 billion years. Universe has been in existence for more than 30 billion years (+ -) 5 billion years (Hubble space telescope). According to German research service, Prof. Priester argues that galaxies could never have come into being within the presumed age of the universe, if it had expanded at the same rapid pace after the "BIGBANG".
c. The cold dark matter model as it is called accounts well for local clustering but does not explain the giant super structures recently found in the galactic survey, such as the great wall, a string of galaxies stretching across the sky for at least a half billion light years. (Jan. 1991 British and Canadian scientists, Dr. Will Saunders of Oxford University.) A new analysis of highly accurate survey conducted by infrared

astronomical satellite now shows the universe to be full of such super structures appear to be far too vast to have formed since Big bang.

d. There are for instance, cluster of galaxies, super cluster and extremely long sheet of galaxies dubbed the great wall, and possible concentrations of unseen matter so massive that exert a gravitational pull on milky way galaxy. Like the great wall this gravitational force called the great attractor, seems too large to have formed in the time believed to have elapsed since Big bang from 10 to 20 billion years ago. (Jan. 1991, Dr. Will Saunder of Oxford University)

e. Looking into the past by looking into the distance: In an evolving universe the astronomer looks into the past by looking into the distance.

f. Natural hydrogen wispy clouds at high red shift.

g. Massive burst of energy from Quasar PKS 0558 504 : There are about 600 mysterious points of extra energy known as Quasar a sudden and powerful rise that was recorded as blip on the chart. (Jan., 1991 Massachusetts Institute of technology) There are other observations that shall be discussed while making new model of the universe in coming pages. Now all these observations should be explained by one theory or one model and this theory is creation theory postulated by me. It includes two phenomena.

1. Intermittent creation phenomenon : Creation of galaxies and Quasars is a intermittent event.
2. Continues creation phenomenon : Creation of cold dark matter, CDM and void is a continues event as universe is in expansion phase and all galaxies are receding and Hubble constant is retarding as well Hubble law is working continuously since origin of the universe.

2. Structure

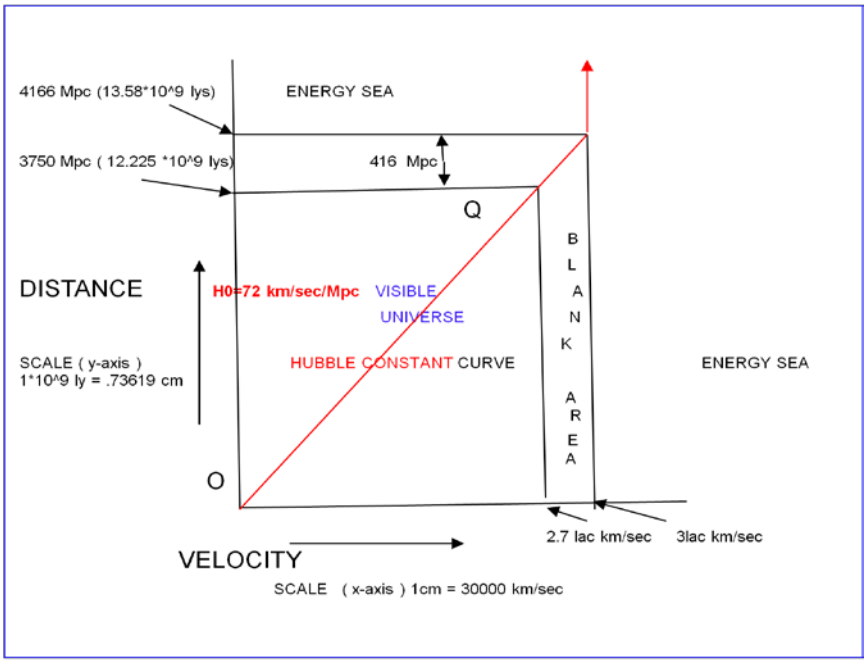


figure 1

2.1 Study of Hubble Law on graph

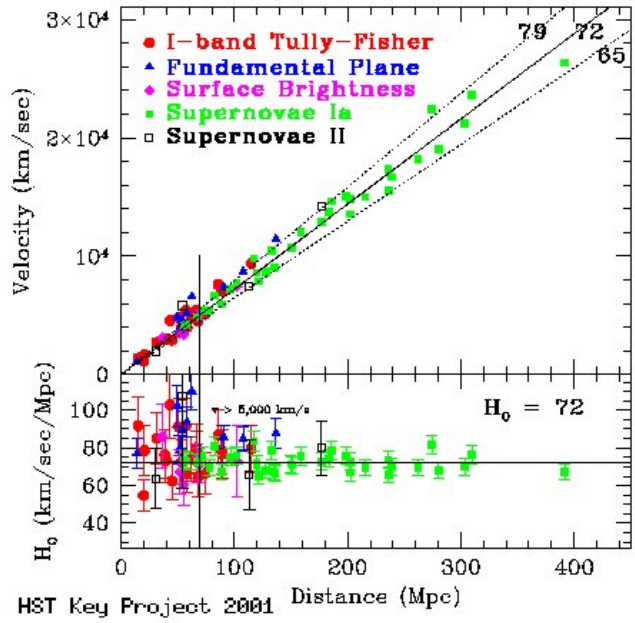
Hubble law : Galaxies twice as far out recede at twice the speed …….. [1]

OR Change in liner relationship of distance and velocity ……. [2]

Hubble constant at present = 72 km/sec/Mpc …….. [3]

Quasar : They have enormous energy output and are at vast distance. Many are strong sources of radio waves and fluctuate in intensity. The red shift is so great that the object must be exceedingly distant. They show different red shift. It means at present their velocity of recession is different and according to Hubble law, they are at different distances from us.

The summary results from the HST H0 Key project are plotted below. With some slight modifications to the Cepheid scale zero point, we believe our best value for the local H0 determination is around 71 (+/- 7) km/s/Mpc.



The flip side of this is the still sad state of affairs governing the absolute calibration of the Cepheid scale. A both serious and humorous review written from a historical perspective by Nick Allen can be found at Hubble constant = velocity (km/sec)/Distance (Mpc) . The curve has been plotted (figure 1) placing velocity on x axis and distance on y axis. Point Q shows the position of quasar or QSO. Its velocity on x axis is 2,70,000 km/sec…… [4] .Straight lines have been drawn from point Q on both the axis's showing the limit of visible universe. This region of the universe is called visible universe and it extends upto 3750 Mpc or 12.225 * 10 ^ 9 light years. (* Means multiplication ^ means to the power)

Scale on x axis = 1 cm = 30,000 km/sec.

Using Hubble constant the distance of the quasar on y axis has been noted.

Distance = 2,70,000 km/sec/72 km/sec/Mpc

= 3750 Mpc or 12.225 * 10 ^ 9 light years.

Scale on y axis = 1 cm = 1.358333 * 10 ^ 9 light years.

Or

1 * 10 ^ 9 light years = .73619 cm.

Having equipped with these information now we proceed further.

	Procedures	Observations	Inferences
1.	The curve is extended further.	velocity stops the curve When it reaches at 3 lac km/sec. As nothing can move more than speed of light.	Hubble law works up to 3 lac km/sec. The corresponding distance on y axis is 4166 Mpc Or 13.58 * 10 ^ 9 light years.
2.	Extend the curve further	The curve turns and it goes to infinity	a. In this region of universe Hubble law does not work & it extends up to infinity. b. The object that is present in this region of the universe must have velocity 3 lac km/sec.
3.	Straight lines have been drawn from point of curve on both the axis's.	It touches on x axis at 3 lac km/sec and corresponding distance on y axis is 4166 Mpc or 13.58 * 10^9 light years.	The region of the universe between 4166 Mpc & 3750 Mpc which obeys Hubble law which is 416 Mpc thick, is called at present blank area of invisible universe.
4.	The area beyond 4166 Mpc is shaded.	The shaded area extends up To infinity and the objects it Contains has velocity 3 lac Km/sec.	The shaded area is that region of the universe which Contains energy only as its velocity in 3 lac km/sec. Therefore it is called energy sea of invisible universe and it extends up to infinity.

Conclusion of the graph Universe has been divided into **:**

1. Visible universe : Up to 3750 Mpc.

2. Invisible universe :

a. Blank area: From 3750 Mpc TO 4166 Mpc

b. Energy sea : Beyond 4166 Mpc up to infinity

Unit conversion :

1pc = 3.26 light years

10pc = 32.6 light years

1Mpc = 3.26 * 10 ^6 light years (* means multiplication ^ means to the power)

3750 Mpc = 3750 * 3.26 * 10 ^9 light years

= 12.225 * 10 ^9 light years

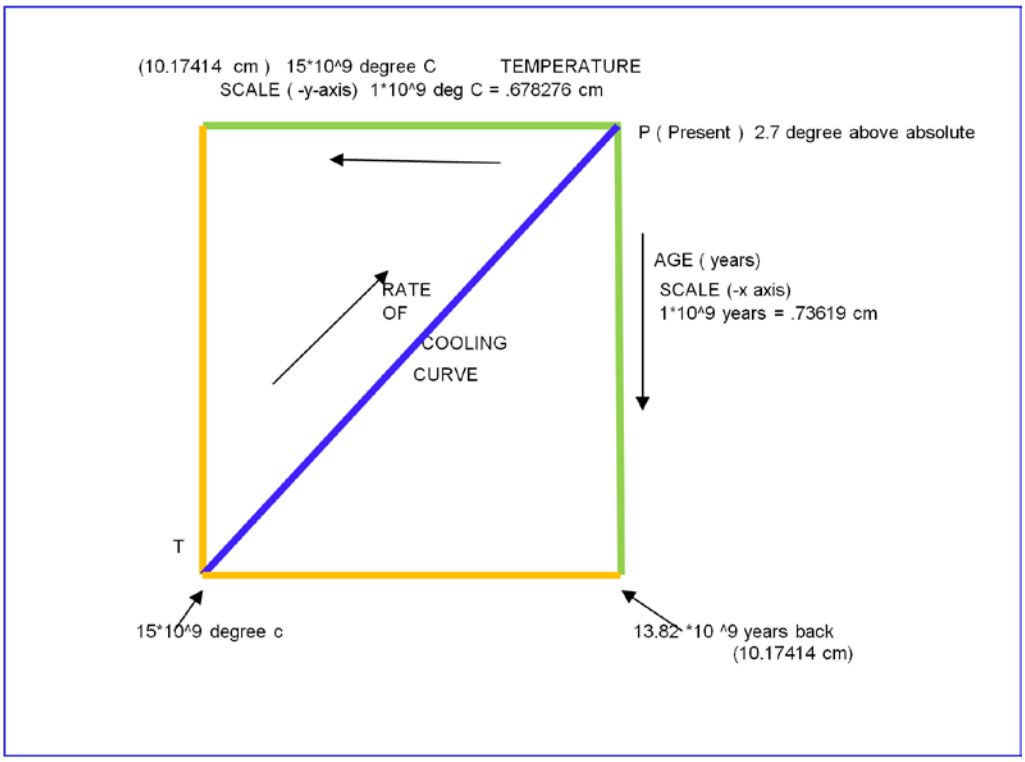
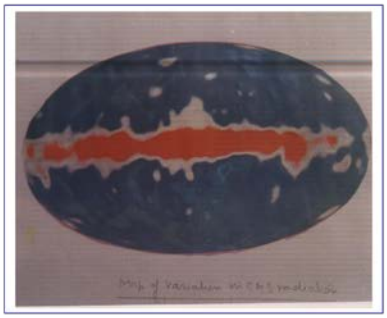


figure 2

2.2 **Study of back ground microwave radiation on graph**

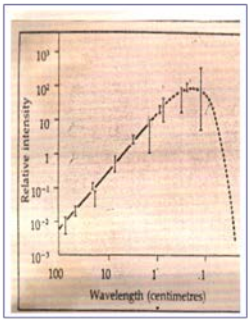


FREQUENCY OF THE MAXIMUM OF CMB RADIATIONS

Frequency of the maxima of CMB radiations as detected by Penzias and Wilson. No variations was found at that time.New Model of the universe predicts variation in CMB radiations. This prediction has been proved i.e. recent observations have shown variations in CMB radiations.

Map of variation of CMB radiation --figure 3

Small wispy clouds are ejecting out from Quasar 3C 273 and creation of one wispy cloud is a continuous event. Thus developed variation in CMB radiation in one wispy cloud. Creation of many wispy clouds is an intermittent event.
figure 4



FREQUENCY OF THE MAXIMUM OF CMB RADIATIONS

Frequency of the maxima of CMB radiations as detected by Penzias and Wilson. No variations was found at that time.**New Model of the universe predicts variation in CMB radiations.** This prediction has been proved i.e. recent observations have shown variations in CMB radiations.

figure 5- Frequency of the maxima of CMB radiations
Frequency of the maximum of CMB radiations as detected by Penzias and Wilson. No variation was found at that time. But recent observations have show variation in CMB radiations. (From- Deep Space – Colin A. Ronan)

FREQUENCY OF THE MAXIMUM OF CMB RADIATIONS

Frequency of the maxima of CMB radiations as detected by Penzias and Wilson. No variations was found at that time.**New Model of the universe predicts variation in CMB radiations.** This prediction has been proved i.e. recent observations have shown variations in CMB radiations. Further predictions are-

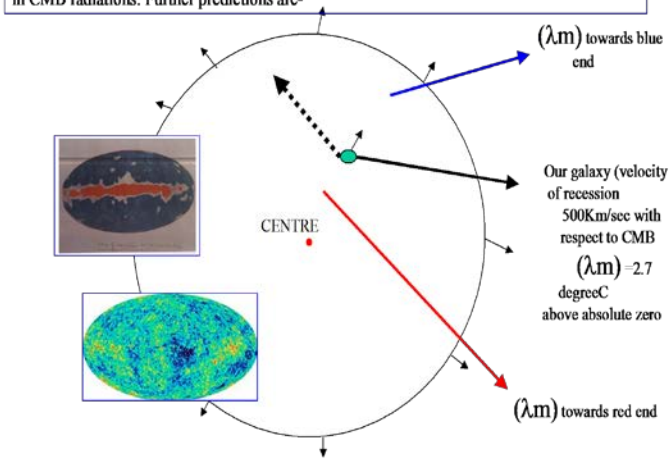
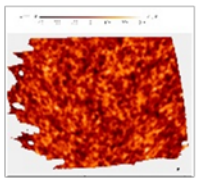
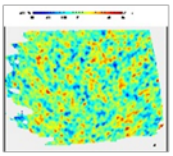


figure 6a
Predicted distribution of CMB radiations (frequency of the maximum) in visible universe

Expanding visible universe with its boundary.Frequency of maximum (λm) would be towards red end near the center and it would be towards blue end at periphery. These frequency of maximum are too weak to detect on earth. We have only detected frequency of maximum around Earth (360 degree sky) which corresponds to the temperature 2.7 degree above absolute zero.





An image of the Primordial Universe. Enormous structures in the early universe which are invisible to the unaided eye become apparent when observed using a telescope sensitive to *mm*-wave light. This image of approximately 1800 square degrees of the southern sky was taken using the BOOMERANG telescope over a 10 day period from December 1998 - January, 1999. For scale, the apparent size of the moon is indicated on the bottom right of the page. In this picture, we see the distant Universe as it makes its transition from a glowing 2700 deg C plasma to a perfectly transparent gas, approximately 14 billion years ago, a mere 300,000 years after the Big Bang. The color scale of the image has been enhanced to bring out the tiny 100 ppm temperature variations in the primordial plasma. BOOMERANG is the first telescope with the resolution and sensitivity required to image these variations, which have since evolved into giant clusters and super clusters of galaxies today.

figure 6b--Prediction of new Model of the Universe has been proved i.e. images of early universe at the edge of visible universe with variation in microwave back ground radiation

Study of back ground microwave radiation on graph

Presence of background microwave radiation indicating the presence of 2.7 degree centigrade above absolute zero thermal residue. This is cool remnant and calculated to be 1.5 * 10 ^ 10 degree c just 1s after the initial explosion. It is calculated that the universe really did begin about 13.82 * 10 ^ 9 years ago…….[5]

The Universe is 13.82 billion years old.

The age of the Universe is a little bit higher than we expected. A few years ago, the WMAP spacecraft looked at the Universe much as Planck has, and for the time got the best determination of the cosmic age: 13.73 +/- 0.12 billion years old. Planck has found that the Universe is nearly 100 million years older than that: **13.82 billion years**. At first glance you might think this is a really different number. But look again. The uncertainty in the WMAP age is 120 million years. That means the best estimate is 13.73 billion years, but it could easily be 13.85 or 13.61. Anything in that range is essentially indistinguishable in the WMAP data, and 13.73 is just in the middle of that range. And that range includes 13.82 billion years. It's at the high end, but that's not a big deal. It's completely consistent with the older estimate, but Planck's measurements are considered to be more accurate. It will become the new benchmark for astronomers.

Now the graph has been plotted taking temperature on (-) x axis and age in year on (-) y axis. It has been observed that 13.82 * 10 ^ 9 years back temperature of the sky around earth was 15 * 10 ^ 9 degree centigrade. It has been presumed wrongly that this temperature represents temperature of the universe and now we shall see that it is the temperature of this region of our galaxy rather than the whole universe.

The scale of previous graph (1) on y axis is : 1 * 10 ^ 9 light years = .73619 big square. This scale becomes the scale of this graph on (-) y axis i.e. 1 * 10^9 years = .73619 big square.

Or, we can say :

1 * 10 ^ 9 light years = 1 * 10 ^ 9 years.

Scale on (-)y axis

1 * 10 ^ 9 years = .73619 cm.

Than 13.82 * 10 ^ 9 years = 10.17414 cm on (-) y axis.

Scale on (-)x axis

If 15 * 10 ^ 9 degree c = 10.17414 cm on (-) x axis, then scale on (-)x axis is 1 * 10 ^ 9 degree c = .678276 cm.

Procedures	Observations	Inferences
A graph has been plotted between temperature on (-) x axis and age on(-) y axis. **(**figure **2)** On(-) y axis 13.82 * 10 ^ 9 years are represented by 10.17414 big square and on (-)x axis 15 * 10 ^ 9 degree c temperature is represented by 10.17414 big square.		
A line is drawn from point P to point T.	A straight line comes which starts from point T and ends at point P.	This indicates rate of cooling of this region of our galaxy. The point T indicates 13.82 * 10 ^ 9 years back this region of our galaxy was present at this site. Since then it has traveled from this point to the present point P. During this period its temperature came down from 15*10 ^ 9 degree c to 2.7 degree c above absolute zero. Point T indicates birth of temperature. It means there was creation activity which

		could lead to this much huge temperature. .
Procedure	Observations	Inferences
		What was that activity which could lead to this much temperature, shall be discussed in coming page Point T indicates birth of temperature and birth of temp. means birth of matter of this region of our galaxy by hot process rather than birth of whole universe.
From L.B.L. California, U.S.A. (map picture)	A 360 degree map of the whole sky shows newly detected minute variation in C.M.B. radiations. Red indicates one hundredth of 1% warmer and blue indicates one hundredth of 1% colder than the average sky temperature of 2.73 deg. above absolute zero……[6] (figure 3)	Variations in CMB radiations indicate creation of matter of this region is continuous event. Therefore in one region one would have different cooling rates. The matter created first cooled first than matter created later on. Thus developed variation in C.M.B. in one region (360 degree sky) Variation in CMB also propounds that 2.7 degree C above absolute zero temp. is the temp. of this region of our galaxy rather than the whole universe. Variation in CMB also propounds that 2.7 degree C above absolute zero
	Huge ripples of matter near what is believed to be the edge of the universe. These are extremely wispy clouds of matter are the	To begin with hydrogen clouds were not very huge (GMC) rather they were wispy clouds.

largest and most ancient (pristine) structures in the universe stretching as long as 59 billions trillions miles and only 3,00000 years old…….[7] (figure 4) (figure 6b)

These wispy clouds were put together to form giant molecular clouds (G.M.C.)

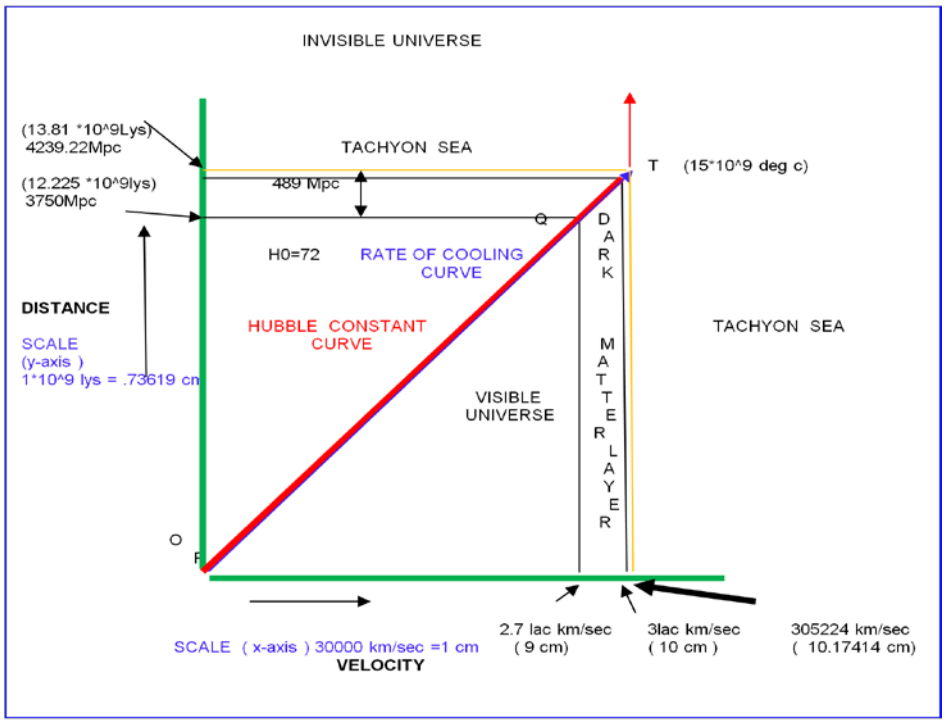
These wispy clouds are created from Quasars about 3 lacs years ago rather than 3 lacs years after the Bigbang. These clouds are young (pristine) and are present at the edge of the observable universe.

(Please see photo graph of Quasar 3C 273. (figure 4)

Conclusion of the graph

1. The birth of matter of this region of our galaxy took place 13.82 * 10 ^ 9 years back rather than birth of the matter of the whole universe.
2. The temperature 2.7 degree c above absolute zero indicates present temperature of this region (360 degree sky) rather than other regions of the galaxy or the other galaxies which are older or younger than this region. Their residual temperature cannot be known to us at present.
3. Point T indicates that there was creation activity that could lead to temperature of about 15 * 10 ^ 9 degree c first second after the creation of this region rather than other region of this galaxy or other galaxies of the universe.
4. Birth of temperature means birth of matter of this region of our galaxy by hot process.
5. Point T indicates at this point creation of this region of our galaxy took place and since than it has moved from this point to point P.
6. At point T its temperature was 15 * 10 ^ 9 degree c and after 13.82 * 10 ^ 9 years it has cooled down to 2.7 degree c above absolute zero and now it is present at point P. The rate of cooling is shown by the straight line.
7. The residual temperature of the other region of our galaxy or other galaxies are too weak to detect here.
8. What was that creation activity that could lead to this much amount of temperature would be discussed later on.

9. Previously **(**figure **5)** it was thought that source of CMB radiations coming evenly from all over space (360 degree sky), but it has been proved that distribution of CMB radiations are not uniform and there is variation in CMB radiations. This observation propounds continuous creation of the matter of this region of the galaxy rather than Big bang origin of this region of the galaxy. Had it been the Big bang it would have been uniform distribution of CMB radiations.
10. Pristine condition wispy clouds have been observed at the edge of observable universe **(**figure **6b).** These are created from quasar rather than Big bang.
11. It is to be noted that source of such radiations coming all over the space (360 degree sky). It is also possible to detect the movement of the earth against the C.M.B. radiations. From this information it has been calculated the milky way galaxy moving relative to the back ground at the speed of 500 km/sec…… [8]
12. Back ground radiations of continuous creation are present in the whole universe but the frequency at the maximum is not uniform. According to wien's law of displacement, it is more towards red end of the spectrum near the center of the universe and it is towards blue end of the spectrum when we move towards periphery of the visible universe. At present we have recorded frequency of the maximum in our space around our earth and this corresponds to the temperature 2.7 degree c above absolute zero. The frequency of the maximum distribution is not uniform throughout the visible universe. This is shown by graph (see next issue) and at present we can only realize their distribution in universe rather than their exact values. **(**figure **6a)**



2.3 Study of graph Fig-1 and Fig-2 together

figure 7

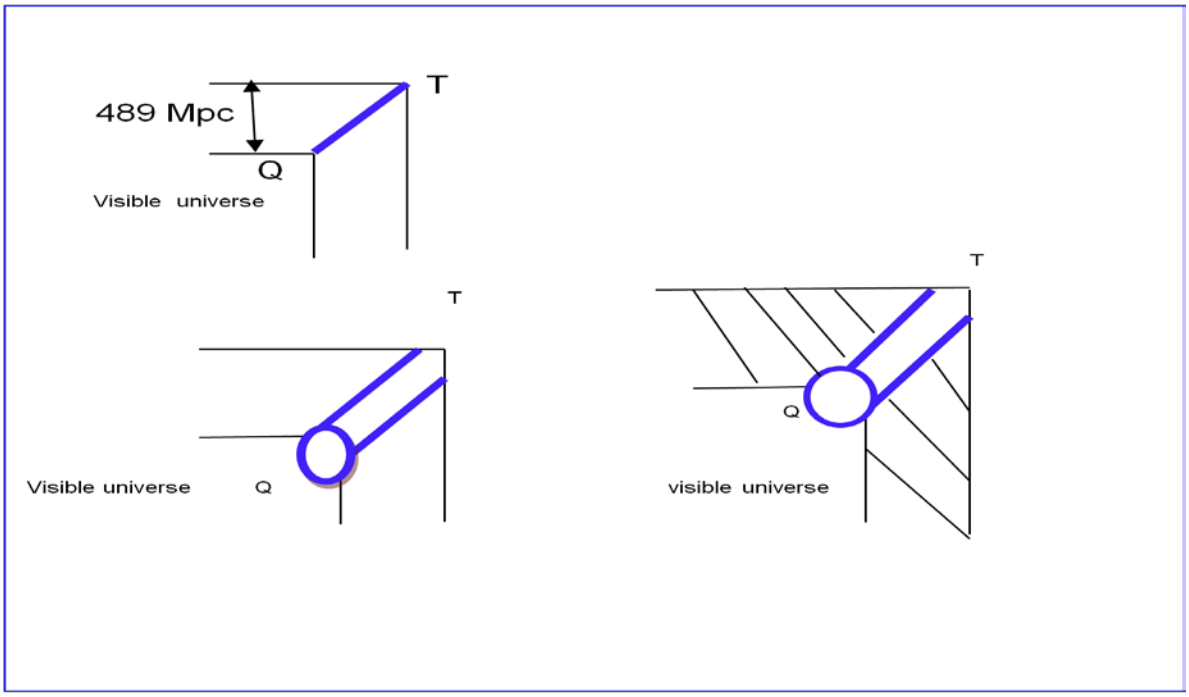
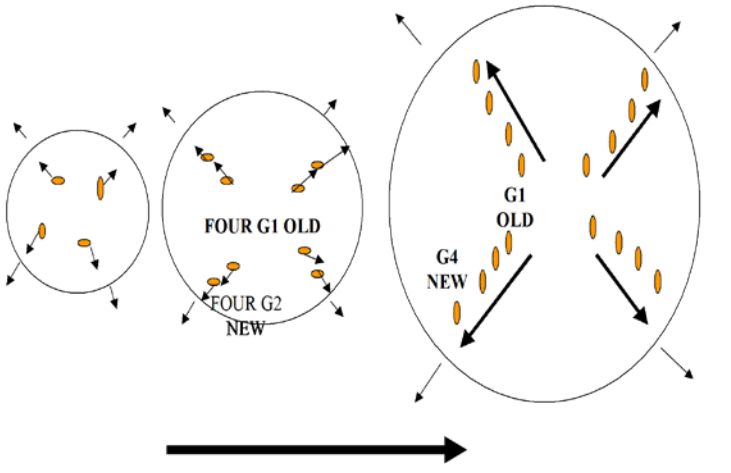


Diagram of blank area

figure 8

Olber's Paradox (figure 9) --During expansion phase as CDM layer is moving with velocity of light, therefore photons of luminous objects cannot be reflected back to us. Therefore night sky looks black.



Expansion phase of universe

figure 9

In contraction phase all photons striking to CDM layer would be absorbed and once again we would observe black night sky. (figure 9)

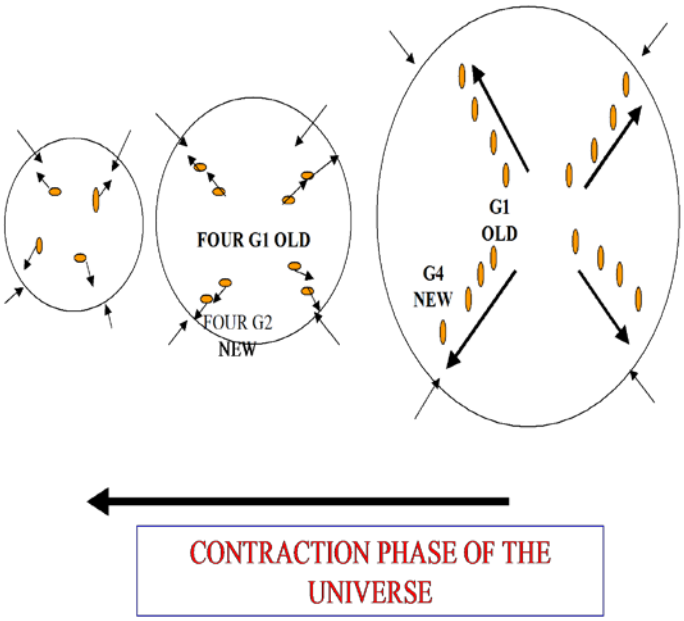


figure 9

Procedure	Observations	Inferences
Put graph No. 2 on graph No. 1 such that x axis and y axis of each graph fails on each other. **(**figure **7)**	Point P fails on point O. Rate of cooling line falls on Hubble constant line. Point T falls beyond blank area. Its corresponding distance on y axis is 4239 Mpc or 13.81 * 10 ^ 9 light years and the velocity on x axis is 305224 km/sec. This velocity is more than velocity of light.	The temperature T which is 15 * 10 ^ 9 deg. C is now present 13.81 * 10 ^ 9 light years from us or 4239 Mpc. This temperature is due to creation activity that is going on there. This point is beyond the boundary of blank area of graph 1 which is 4166 Mpc or 13.58 * 10 ^ 9 light years. Up to distance 4239 Mpc Hubble law works instead of 4166 Mpc in graph 1 Blank area which was 416 Mpc thick, is now 489 Mpc thick and the thickness is now increased.

Hubble constant curve which has reached now at point T turns and it goes up to infinity. Thus modification in graph No. 1 has been done.	Point T is showing velocity 305224 km/sec.	It means there is something which is having velocity more than speed of light and it exists up to infinity.
		There are tachyon particles which are present there. Now instead of energy, tachyon particles are occupying the space. Now this region of invisible universe is called **Tachyon Sea** instead of energy sea and it extends beyond 4239 Mpc or 13.81 * 10 ^ 9 light years up to infinity.
	The temperature at point T is 15 * 10 ^ 9 degree c.	The creation activity is going on there by hot process and cooling rate curve at present indicates thermal residue of
Procedure	**Observations**	**Inferences**
		different galaxies. The current residual temperature of different galaxies is discussed on page **(see next issue)**
		Our galaxy is present at pint O of the graph because it is moving with velocity 500 km/sec and this point concedes with zero point as the scale of 500 km/sec cannot be charted out.
	Between point T & point Q which is 489 Mpc, is blank area. Beyond point T is tachyon sea. within point Q is visible universe.	
Now point Q is made circular as diameter of quasar is 100 AU[9] and canal is made which is extending from Q to T. (figure 8)	This canal is 489 Mpc long. Its one end is Q site which is visible to us making the boundary of visible universe as white holes or quasars.	All Quasars are white holes and they are present at the boundary of visible universe.
Rest of the blank area is shaded	This shaded area makes the	Boundary of visible universe is made

boundary of visible universe.	up of blank area.
It is invisible to us.	Because it is moving with velocity of light , therefore it is dark.
It is emitting no radiations.	Therefore it is cold and its structure cannot be known to us and also it is produced by cold process.
It is gravity powered as quasars are gravity powered or boundary of the hole is gravity powered…[10]	It is made up of matter particles as it has gravity effect.
It is much more than luminous material….. [11]	Blank area is nothing but cold dark matter having holes (canals) in it and expanding with velocity of light.
	It is the same missing matter that decreases Hubble constant since origin. . We shall discuss in details , how did it happen.

Conclusion of the graph

1. There is point T in invisible universe where creation is still going on.
2. Beyond that point, the region of the universe contains tachyon particles.
3. Between T and Q, there is canal in blank area its mouth opens in visible universe. The mouth or the hole is 100 AU in diameter. It is known as quasar or white hole of the universe and it emits huge radiations and ejects clouds.
4. The boundary of the canal also forms the boundary of the visible universe. Thus all Quasars are at the edge of the visible universe and the boundary or the blank area is made up of cold dark matter which is expanding with the velocity of light. It is cold because it has been produced by cold reaction. It is dark because it does not radiate any emission and photons of visible universe cannot touch it. It is matter because it has gravity effects on the galaxies and thus it decreases Hubble constant from the beginning of the universe. How does cold dark matter affect Hubble constant, shall be discussed separately.This matter is also increasing in amount with the creation or expansion of the universe and thus Hubble constant which was very high, has now come down to 72 km/sec/Mpc.
5. This cold dark matter (CDM) is constituting 90% of the created and which is 100 times more than the luminous matter is moving with the velocity of light. Therefore photons cannot touch it. That is why it is dark and that is why night sky is black. (OLBRE'S PARADOX)

6. The formations of the hydrogen is by hot process. When hydrogen is formed from tachyons, it liberates huge amount of energy in form of radiations. Huge radiations are coming out from quasars along with hydrogen matter in form of wispy clouds. What are quasars and why do they show different red shifts shall be discussed separately.
7. Boundary, which is forming the canal of quasar, is moving with velocity of light but quasar are showing different red shifts, why ? it is discussed separately.
8. The phenomenon of cold reaction is also going on and formation of cold dark matter is also increasing. The site of cold reaction is all around except at point T, where hot reaction is taking place.
9. The creation of hydrogen and CDM are form tachyon particles. The details of hot and cold reactions will be discussed in creation physics separately.

2.4 Olber's Paradox (figure 9)

If the universe were filled with density e of point sources of absolute luminosity L and (a) e and L are constant in space and time (b) There are no systemic motion of the sources. (c) Space is Euclidean and (d) the laws of physics are true so that the relative luminosity I of an object at distance R is giving by

$I \propto L / R \wedge 2$, then the night sky should have brightness F given by

$$F \propto \int_0^R (L / r \wedge 2)\, r \wedge 2\, dr = LR$$

As R = infinity, I = infinity (∞)

The night sky should be infinitely bright, which it isn't. This is olber's paradox.

According to participatory science, night sky is black because we live in expanding universe and CDM layer is expanding with velocity of light. Therefore photons of luminous objects cannot touch it. Had it been no expansion, the photons would have touched and returned to our eyes, then night sky would be brightened one. Instead of this we see bright objects with black back ground or night sky is black.

Conclusion

1. Olber's paradox is mathematical fiction.
2. It is not paradox rather it is due to expansion hypothesis of the universe.
3. Mathematical inferences do not always speak truth.
4. It is wrong to fit theory (mathematical theory of brightness) to evidence (darkness of night sky) thus making it paradox.

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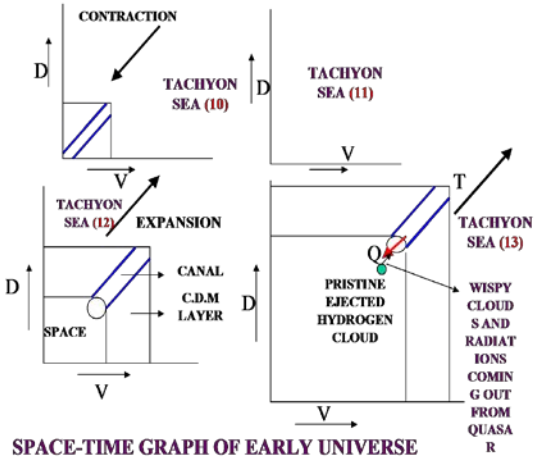

figure 10, figure 11,figure 12,figure 13

2.5 Study of following effects on Graph

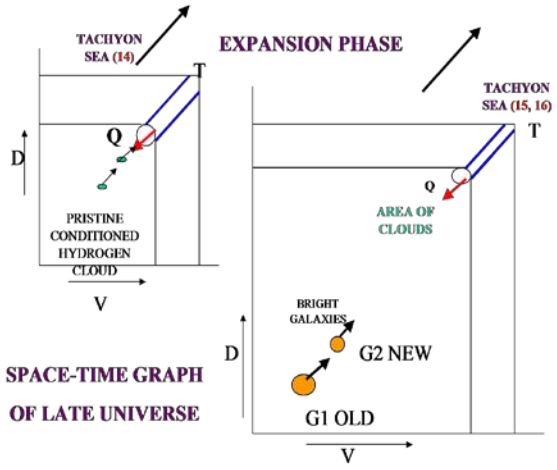

figure 14, figure 15, figure 16

Study of following effects on Graph

Constant density of the universe. Typical working of the nature . That is what Steady State principle says

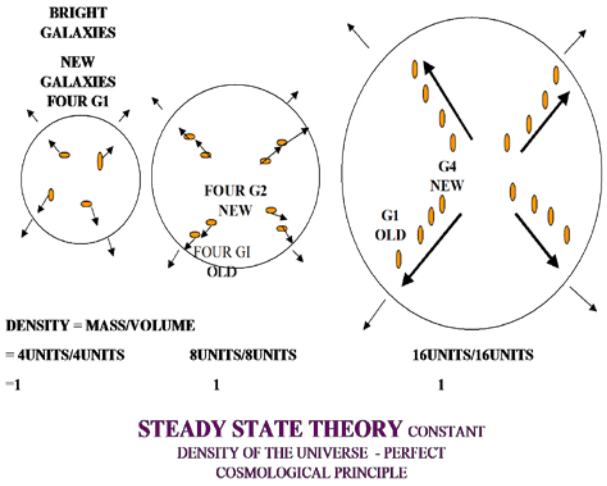

figure 17

STUDY OF FOLLOWING EFFECTS ON GRAPH

1. Evolving stages of the universe.
2. Mass/density change in space and time.
3. QSOS red shifts.
4. QSOS are distant objects.
5. Observation of STEADY STATE phenomenon.
6. Positive curvature of the space.

Steady State ….. [12] Density distribution per unit volume is essentially the same as it was any time in the past and will continue to remain the same at any time in future. Accepting the uniform separation of any one cluster from another, the theory goes on to say that matter is in state of continuous creation at a rate sufficient to accommodate a constant density value within the portion of space vacated by over all expansion.

Density = Mass/volume or D = M/V

Steady state is a wrong word that has been used in this phenomenon or principle. Steady state means non evolutionary universe. But this is wrong because universe is evolutionary. Rest ideas and observations in this phenomenon are correct. With the modification that instead of creation at the center, it is going on at periphery inside quasars. That is what Narlikar and Hoyle have realized in their continuous creation theory.

Continuous creation Theory…… [13] Hoyle and Narlikar think that new matter is being created due to " implosion " to balance the expansion of the universe which astronomers have observed, inside quasi star

gravitational collapses may from some matter in the universe. The huge luminosity and the radio emission from these quasi stars appear to "gravity powered" unlike ordinary stars which derive their energy from nuclear reaction.

Procedure	Observations	Inferences
(figure 10) visible universe is reduced to zero.	Only small part of the cold dark matter and canal in it are present.	during contraction or destruction phase all created matter (fermions and bosons) along with CDM would be transformed into tachyons.
Cold dark matter is reduced to zero . (figure 11)	Only infinite tachyon mass is there.	Once universe was in dormant stage. It was an infinite tachyon mass.
Cold dark matter layer and canals in it with huge amount of space are made. (figure 12)	There is no hot reaction, only empty canals are there with lot space along with it.	Universe started first with cold reactions. This cold reaction formed CDM layer and canals in it.
Now at point T hot reaction is triggered. (figure 13)	White holes or QSOs are formed in the universe with ejection of clouds and huge radiations. Clouds are in pristine condition.	This indicates QSOs era. It means at one time QSOs were present only and they are cosmological in origin. Only few were present not all QSOs. Rest have appeared during evolution of the universe.
Further expansion of CDM layer with further formation of space and clouds. (figure 14)	Ejected clouds are moving towards CDM layer. Clouds which are nearer move faster than those which are away from CDM layer.	Hubble law appeared in the universe. Pristine conditioned clouds are at the edge of visible universe.
Now clouds are not shown only bright galaxy G1 as well as quasar is shown. (figure 15)	Bright galaxies are formed after some time. But they are very far from QSOs.	QSOs are distant objects.
	Velocity of bright galaxies is less than velocity of QSOs. So there develops gap between galaxies and QSOs.	QSOs are moving with velocity of light but still they show high different red shifts What is the cause of different red shifts shall be discussed separately.
	There is uniform separation of one	It propounds steady state principle , not

	cluster from another and mass/ volume relation is kept constant.	the steady state word which means non evolutionary universe.
New galaxies G2 is made near the CDM layer. (**figure** 16)	New galaxies are forming. The older one are away from quasars and newer one are half way edge of the visible universe.	Evolving stages of the universe. Mass/ density change in space i.e. volume of visible universe is increasing. The Curvature of the universe is positive or in Euclid geometry it is called sphere.

3. Conclusions

1. The idea of steady state phenomenon requires a modification in the sense that the visible universe is evolutionary universe while steady state means non evolutionary universe. Rest ideas in this phenomenon are applicable to visible universe only. In visible universe, if volume of visible universe increases, the mass in that visible universe also increase so as to keep density of visible universe constant. Thus mass comes from quasars into visible universe to keep mass space ratio constant and thus keeping density of visible universe constant. Please see (**figure 17).**
2. Clusters are uniformly separated as creation of matter is intermittent. Thus creation is going inside quasars.
3. Old galaxies are those which are near the center of the visible universe. As we proceed towards periphery, young galaxies are met and at the edge of the visible universe pristine conditioned clouds are observed. Thus visible universe is evolutionary universe.
4. Quasars are very distant objects and they also have very high red shifts. The reason of high red shifts will be discussed in coming pages. Quasars do not take part in evolution process. They are as such since beginning though their number have increased.
5. Before creation of the universe, it was infinite mass of tachyon particles. Universe started with cold reaction. In this reaction cold dark matter was created. The density of the transformed universe before creation was low and the density of the CDM is very high. The density is defined by participatory science as number of basic building blocks per unit area. It would be discussed again in creation physics. So the space got vacated thus large volume of void was formed. Simultaneously in CDM layer by phenomenon of canalization , canals were formed and thus empty holes were there. At point T hot reaction started with the result hydrogen was formed from tachyons. There liberated lot of energy during the creation and thus holes which were empty started ejecting huge radiations and pristine conditioned wispy hydrogen clouds and thus white holes or QSOS were formed in the nature. These ejected clouds which were nearer moved faster than those which were away from the CDM layer and thus HUBBLE LAW appeared in the universe. Universe kept on expanding with formation of more CDM by cold reaction all around and hydrogen clouds by hot reaction at point T only. Void also kept on growing in size. After sometimes bright galaxies were formed by self gravitation. Early bright galaxies were very far from quasars that is why quasars are very distant object. Galaxies near the center of the universe are older while galaxies near the periphery are younger. Clouds at the edge are in

pristine condition or they are just born (300000 years) from quasar. **(figure 18)**. All points and the new model are towards an evolving universe not due to BIGBANG rather due to CREATION which is still going inside QUASARS. Universe is in expansion phase therefore we get red shifts of the quasars. **(figure 19**) Prediction of the new model has been proved by presence of super clusters all over the visible universe. These structures could not be formed due to Big Bang**.(figure 20)**

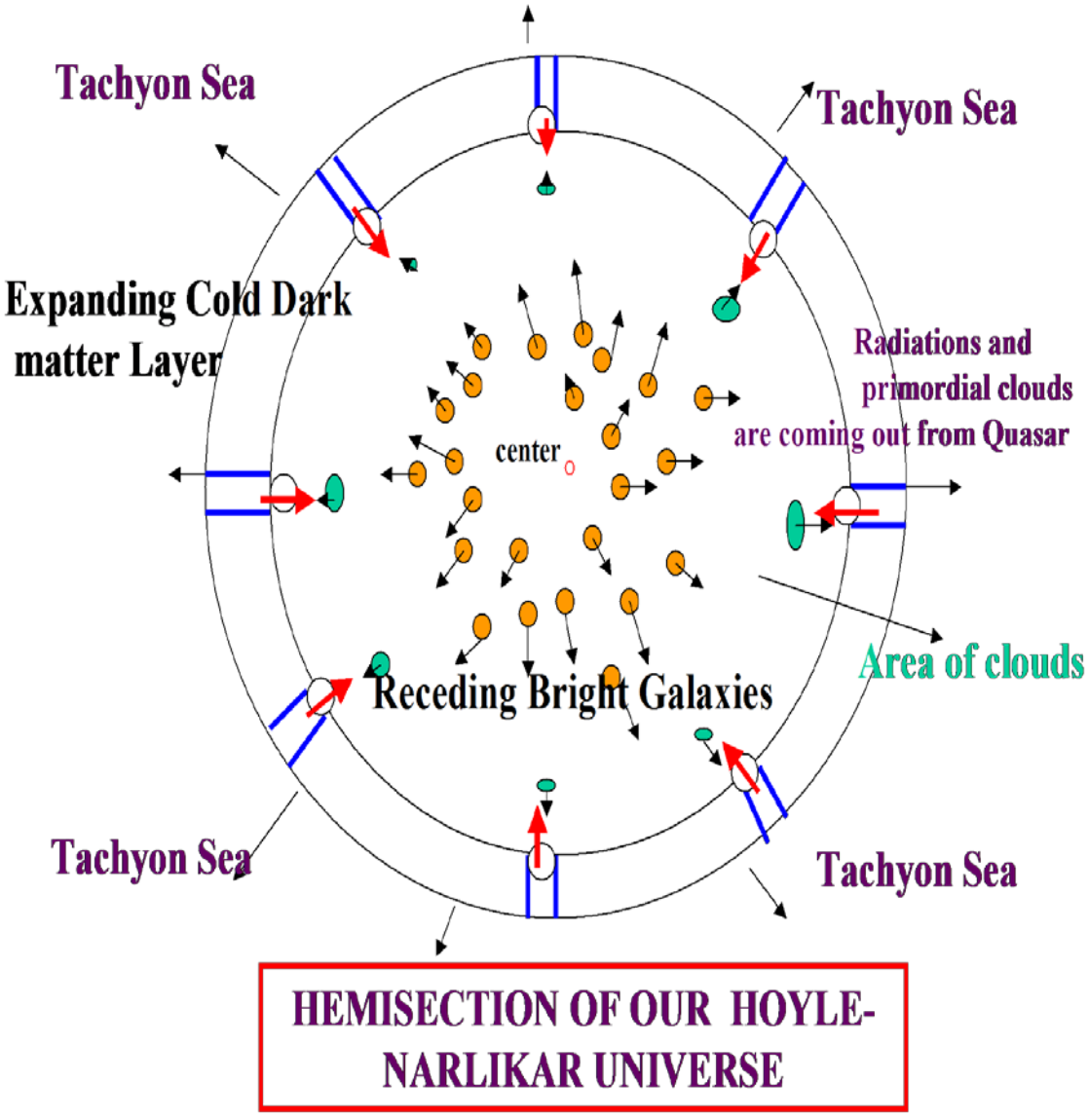

figure 18

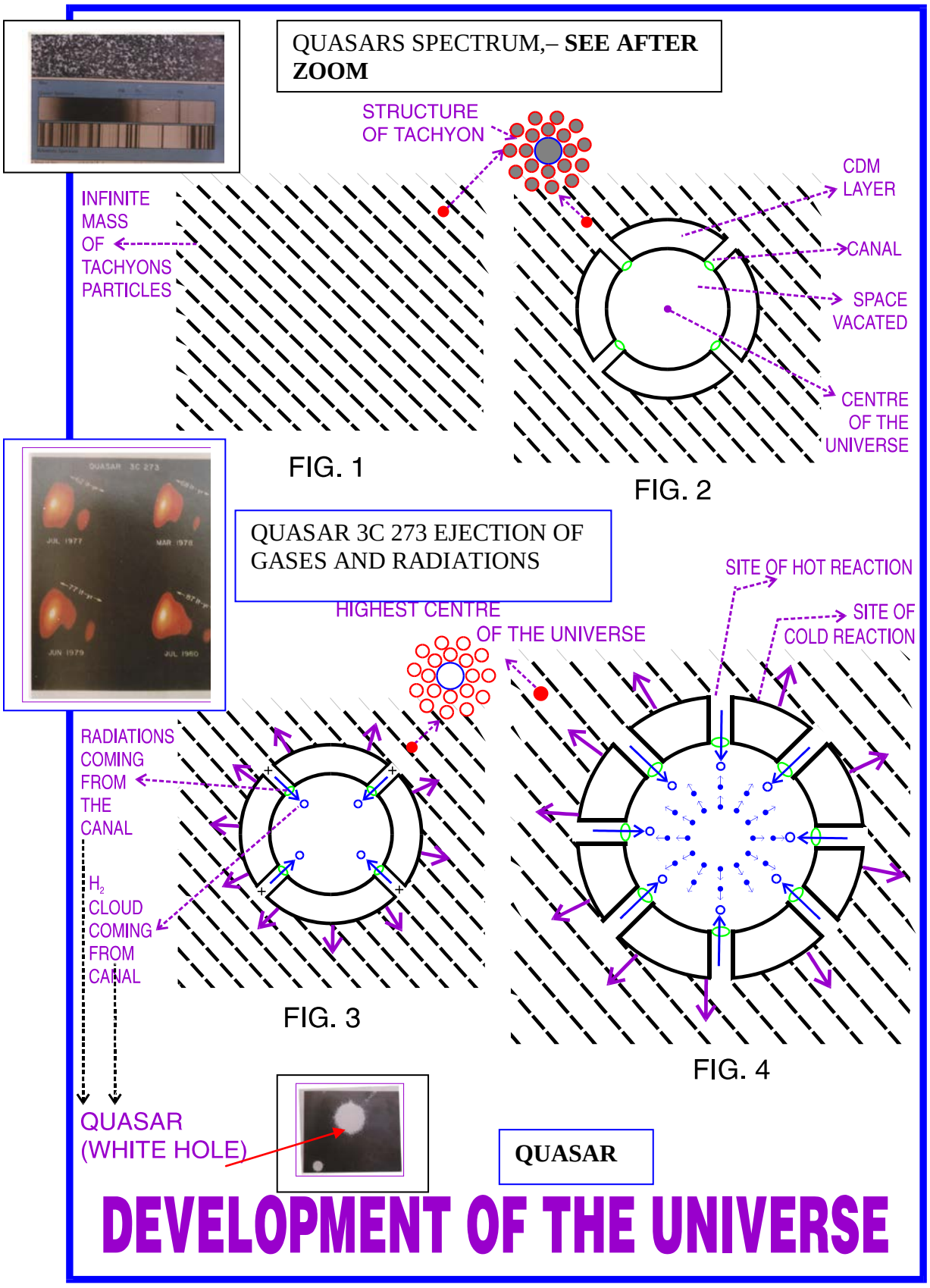
QUASARS SPECTRUM,– SEE AFTER ZOOM
STRUCTURE OF TACHYON
INFINITE MASS OF TACHYONS PARTICLES
FIG. 1
CDM LAYER
CANAL
SPACE VACATED
CENTRE OF THE UNIVERSE
FIG. 2
QUASAR 3C 273 EJECTION OF GASES AND RADIATIONS
HIGHEST CENTRE OF THE UNIVERSE
SITE OF HOT REACTION
SITE OF COLD REACTION
RADIATIONS COMING FROM THE CANAL
H_2 CLOUD COMING FROM CANAL
FIG. 3
FIG. 4
QUASAR (WHITE HOLE)
QUASAR
DEVELOPMENT OF THE UNIVERSE

figure 19

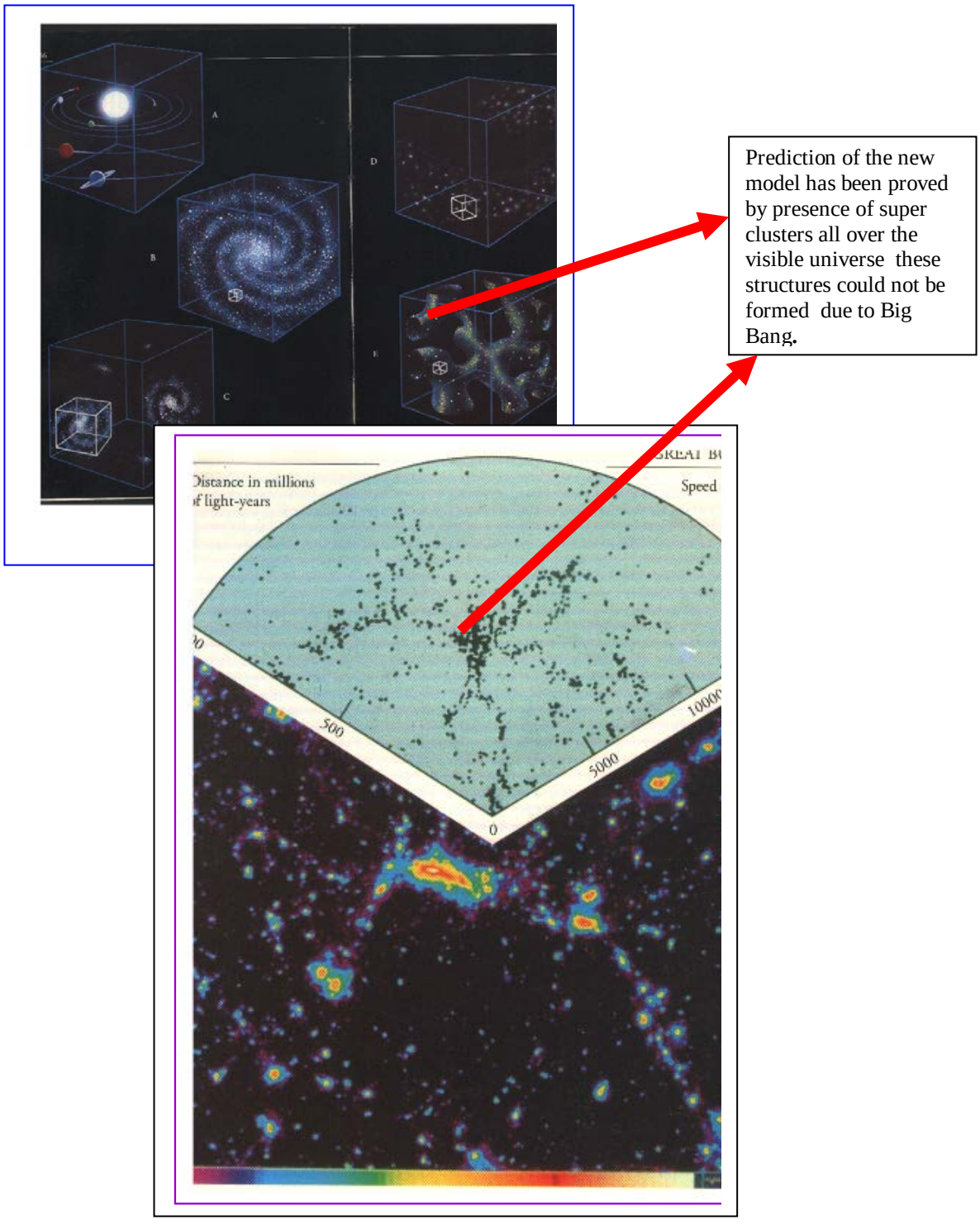
Prediction of the new model has been proved by presence of super clusters all over the visible universe these structures could not be formed due to Big Bang.
Distance in millions of light-years
Speed
500
5000
0

figure 20

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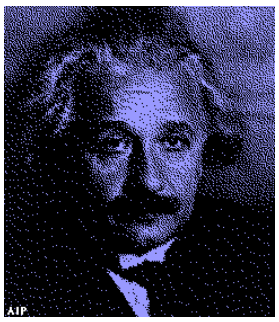
Acknowledgement I am great full to the following great teachers (scientists) for teaching revolutionary ideas .



I want to know how God created the universe.

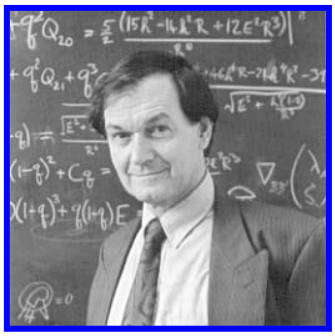
I'm not interested in this or that phenomenon…

I want to know His thoughts. The rest are details.-Albert Einstein

Hoyle –Narlikar teaching

CONTINUOUS CREATION THEORY----
Hoyle and Narlikar think that new matter is being created due to " implosion " to balance the expansion of the universe, which astronomers have observed; inside quasi-star gravitational collapses may from some matter in the universe. The huge luminosity and the radio emission from these quasi stars appear to "gravity powered" unlike ordinary stars which derive their energy from nuclear reactions.

Forward messages by teachers of New physics i.e. Physics of Mind



1**. Prof. S.W.Hawking-** His hopes for the attainment of a fundamental theory of nature, and its relevance to the general public, are best summed up in the concluding paragraph of his famous book: "... if we do discover a complete theory, it should in time be understandable in broad principle by everyone, not just a few scientists. Then we shall all, philosophers, scientists and just ordinary people, be able to take part in the discussion of the question of **why it is that the universe and we exist.** If we find the answer to that, it would be the ultimate triumph of human reason, for then we would know the mind of God".

2. **Prof. Roger Penrose-** In The Emperor's New Mind, a bold brilliant, groundbreaking work , he argues that we lack a fundamentally important insight into physics , without which we will never be able to **comprehend the mind.** More over he suggests, insight may be the same one that will be required before we can write a **unified theory of everything.**