

**An eternal quantum  
potential or an  
eternal Creator God**

John Gideon Hartnett

# Discovery of the Cosmic Microwave Background (CMB)

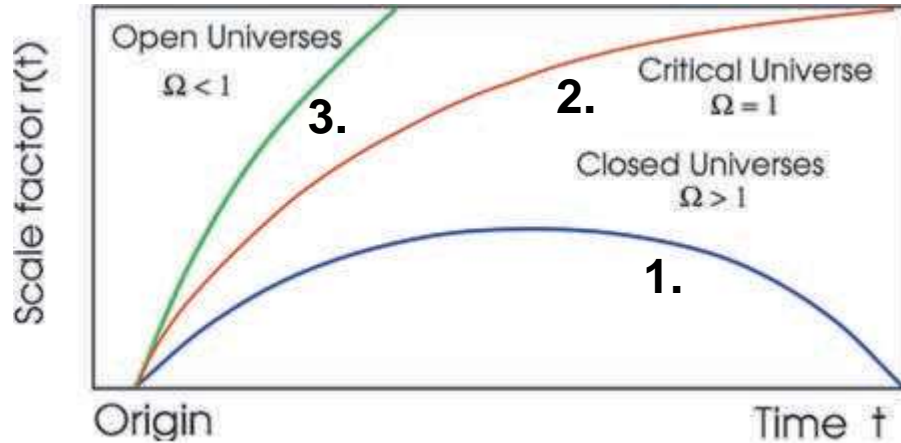
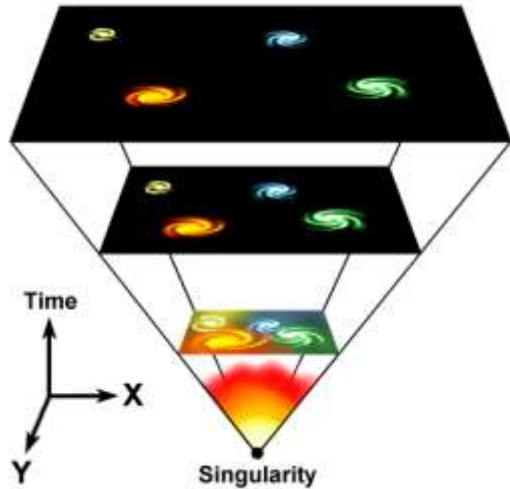
1964 measurements at Bell Labs  
1965 published discovery  
1978 won Nobel prize



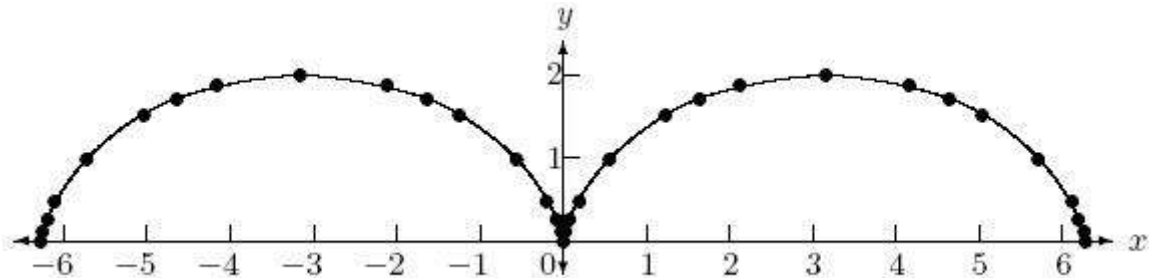
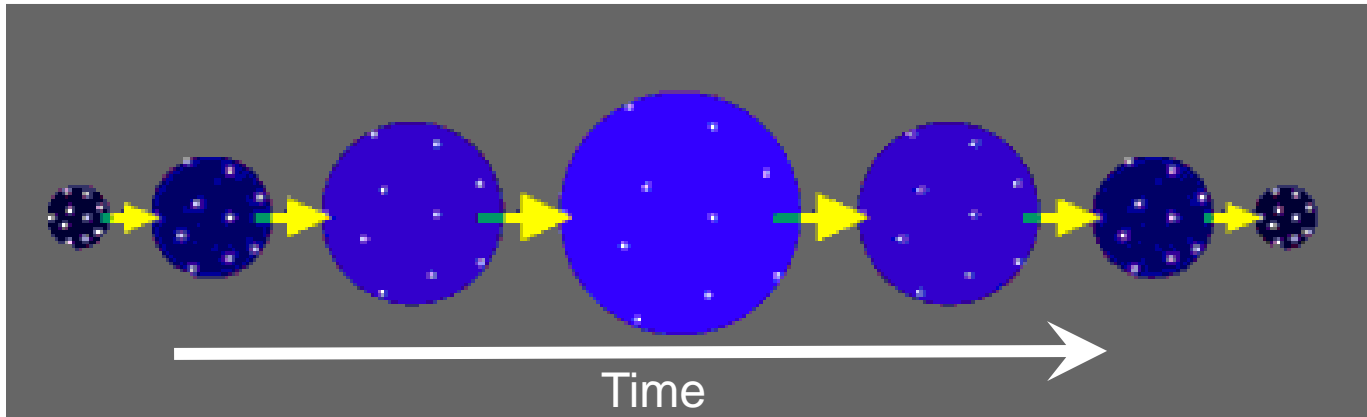
*Cosmic Times 1965, NASA*

**Arno Penzias and Robert Wilson**

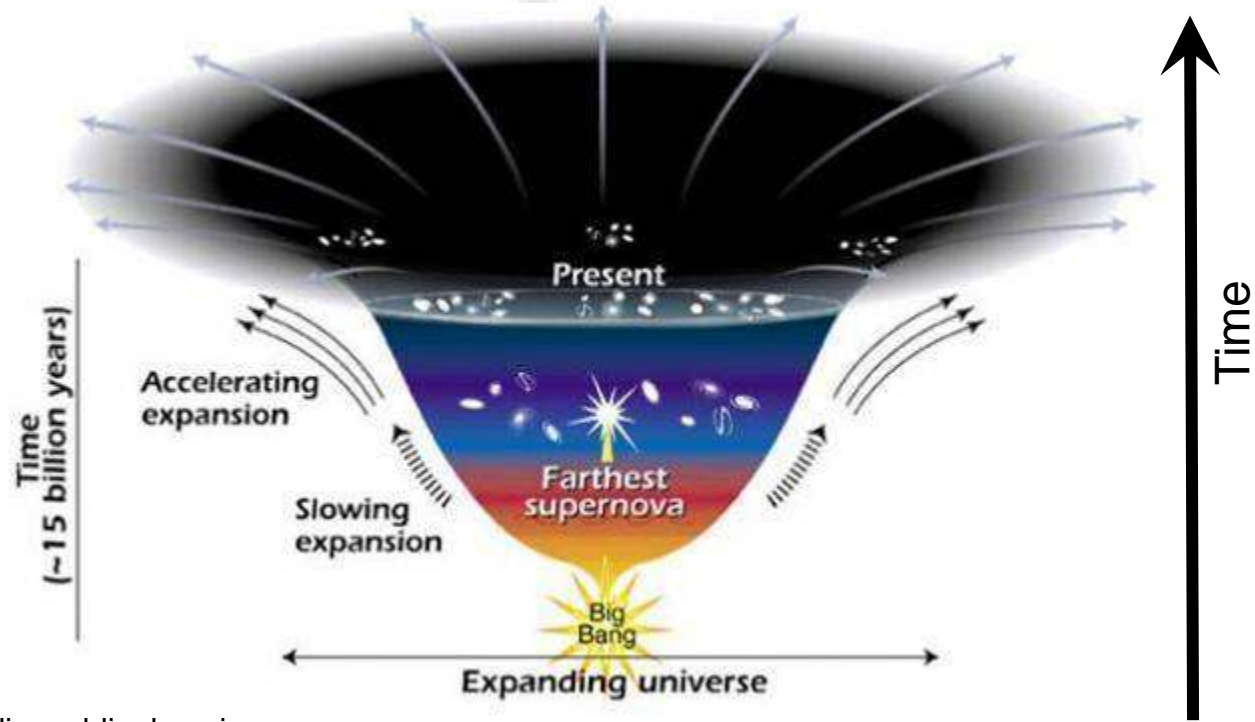
# Big bang models



# Cycloidal model

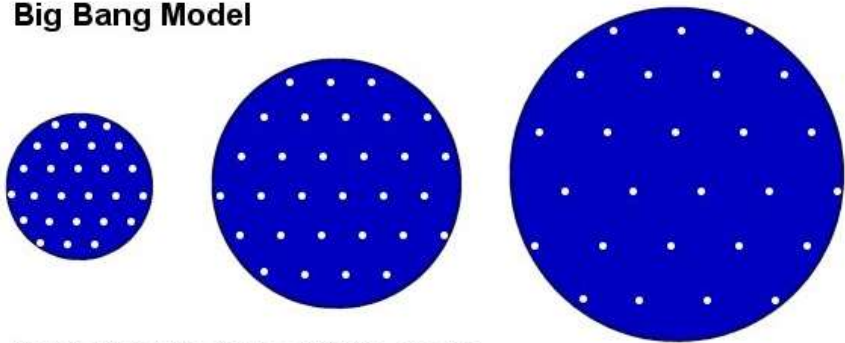


# Accelerating infinite model



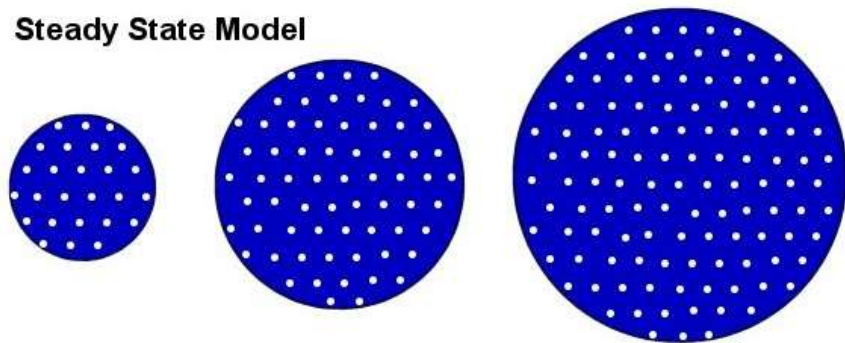
Wikipedia: public domain

## Big Bang Model



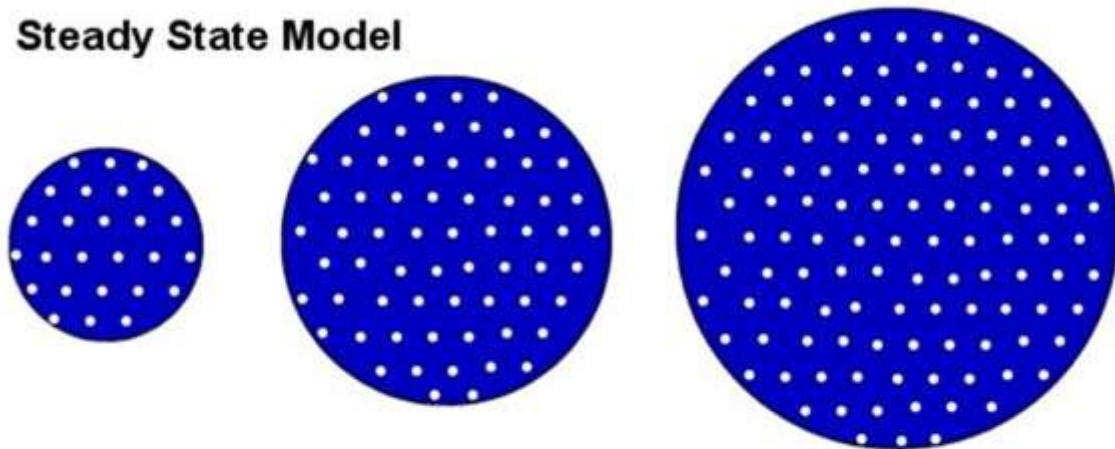
Density of galaxies falls as universe expands

## Steady State Model



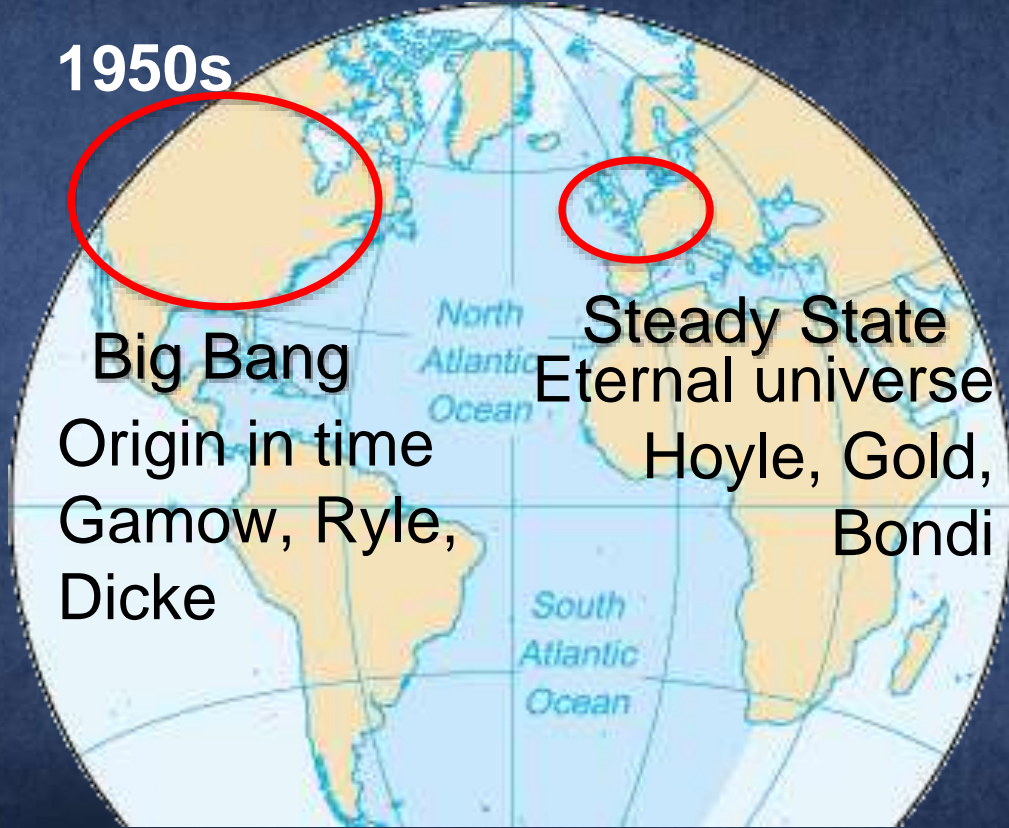
Density of galaxies remains more or less constant as universe expands  
(spaces filled in by new galaxies)

## Steady State Model



Density of galaxies remains more or less constant as universe expands  
(spaces filled in by new galaxies)

1950s



Big Bang  
Origin in time  
Gamow, Ryle,  
Dicke

Steady State  
Eternal universe  
Hoyle, Gold,  
Bondi

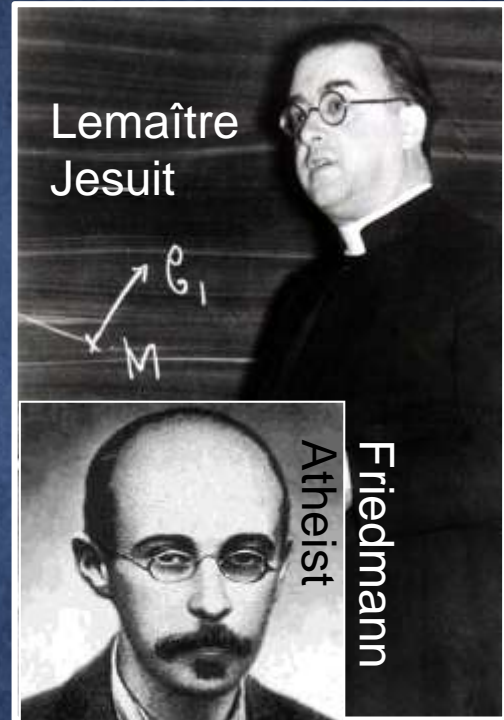


# Alexander Friedmann and Georges Lemaître

1922 & 1927 - developed  
Friedmann-Lemaître model  
from general relativity

- expanding universe
- Lemaître: 'the

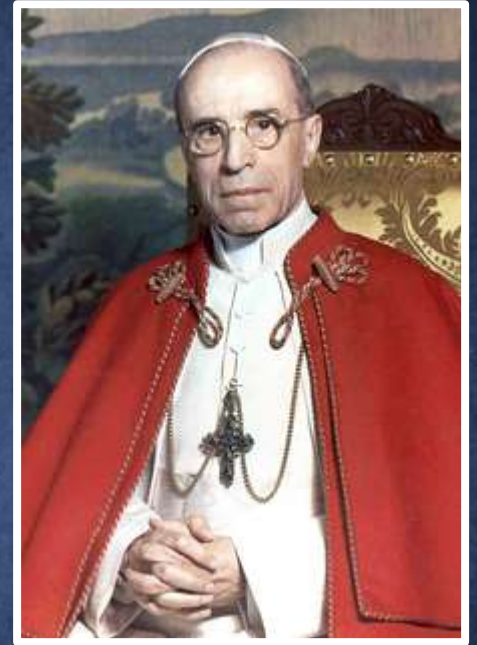
Cosmic Egg exploding at  
the moment of the creation'



Wikipedia: Public Domain

$$\frac{\dot{a}^2}{a^2} = \frac{8\pi G \rho_{total}(t)}{3} - \frac{c^2}{R^2 a^2} + \frac{1}{3} \Lambda = \frac{8\pi G}{3} \left( \rho + \frac{3p}{c^2} \right) - \frac{c^2}{R^2 a^2} + \frac{1}{3} \Lambda$$

November 22, 1951:  
Opening meeting of the  
Pontifical Academy of  
Sciences, declared the Big  
Bang theory does not  
conflict with the Catholic  
concept of creation.



Pope Pius XII

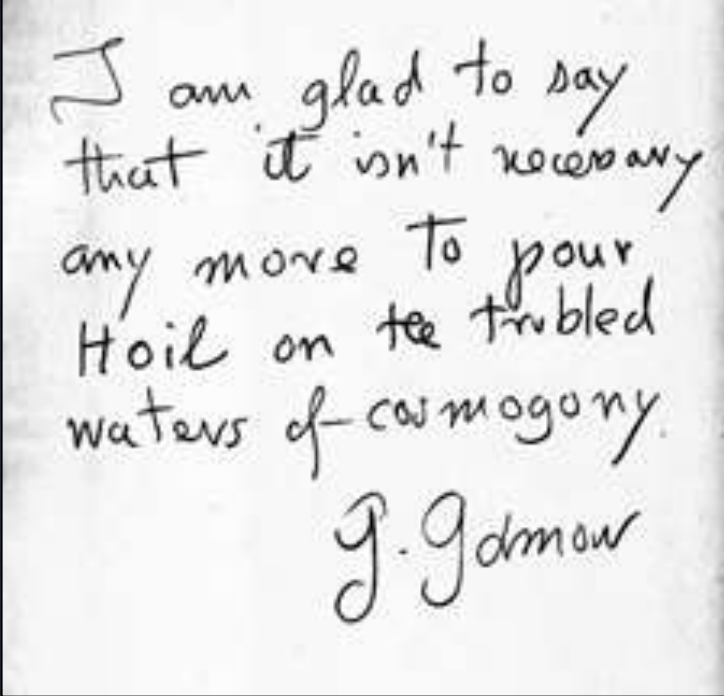
“[The Big Bang] is an irrational process that cannot be described in scientific terms ... [nor] challenged by an appeal to observation.”



Wikipedia: Fair use

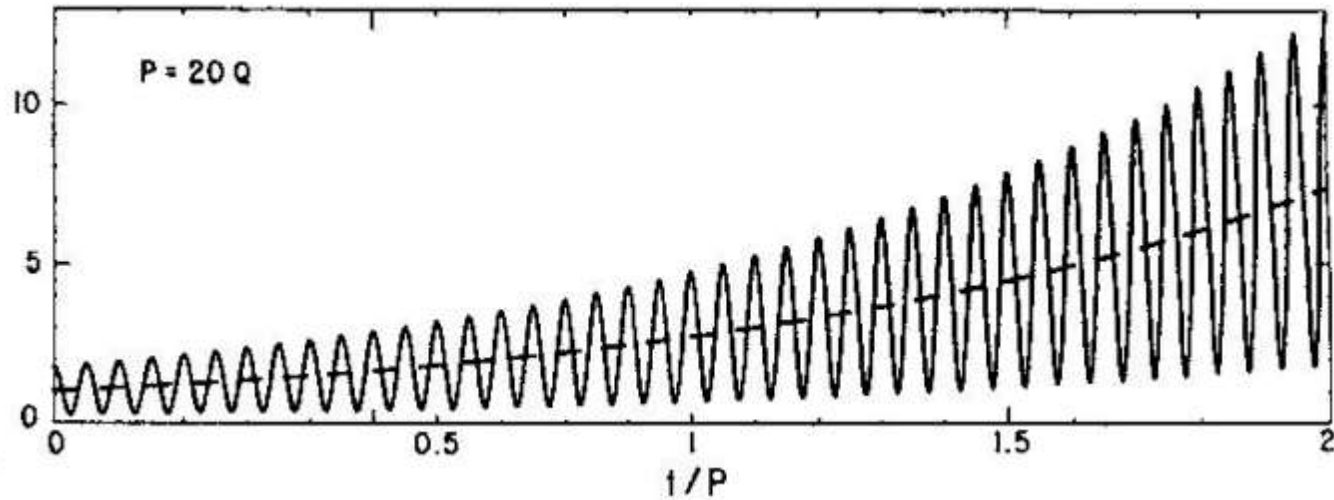
Sir Fred Hoyle, quoted by Smith, Q., in A Big Bang Cosmological Argument For God's Nonexistence, Faith and Philosophy 9(2):217–237, April 1992.

# Sounded death knell for Steady State theory

A photograph of a handwritten note on a piece of paper. The text is written in cursive and reads: "I am glad to say that it isn't necessary any more to pour Hoil on the troubled waters of cosmogony." The word "Hoil" is misspelled. The signature "G. Gamow" is written at the bottom right of the note.

I am glad to say  
that it isn't necessary  
any more to pour  
Hoil on the troubled  
waters of cosmogony.  
G. Gamow

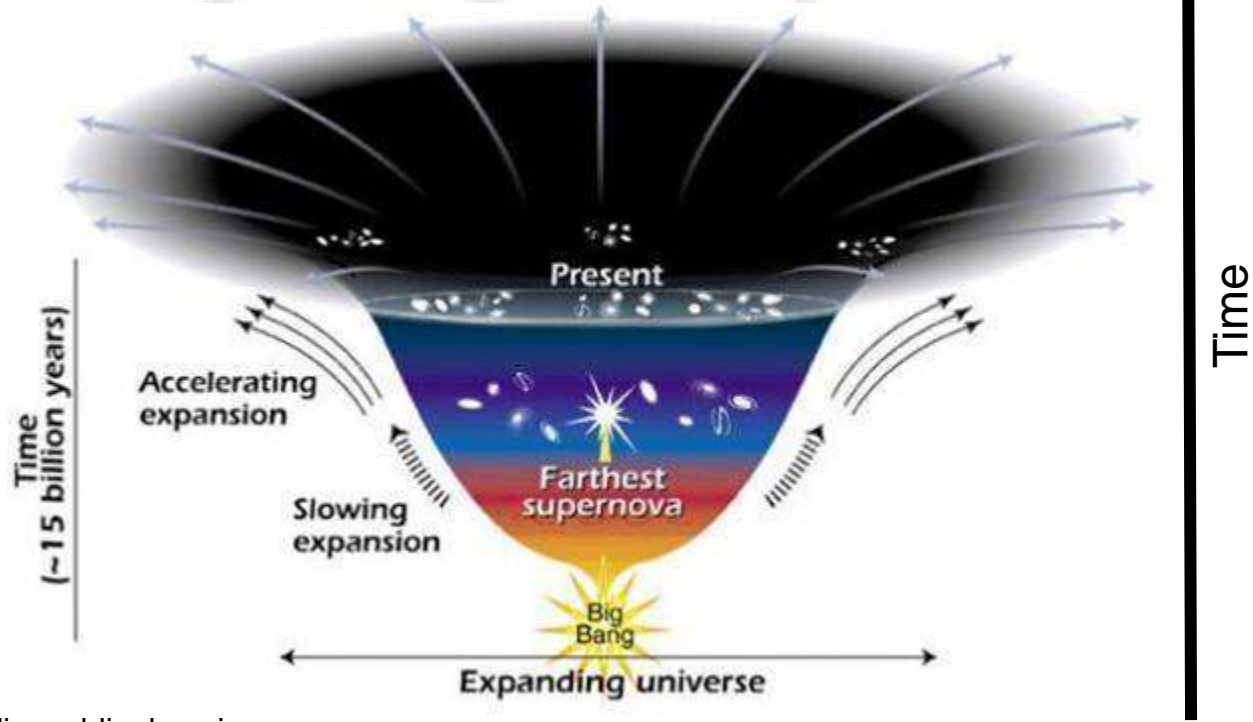
George Gamow



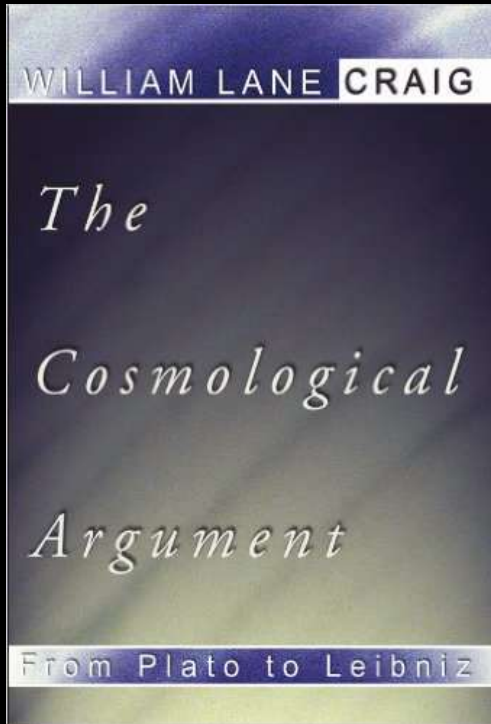
H. Kragh, arXiv.org: 1201.3449

Quasi-steady state cosmology (QSS) was proposed in 1993 by Fred Hoyle, Geoffrey Burbidge, and Jayant V. Narlikar

# Big bang theory used



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## The Kalam Cosmological Argument

1. Everything that begins to exist has a cause;
2. The universe began to exist;
3. Therefore: The universe has a cause.

# Big bang theory used

**Einstein's  
field  
equations**

$$R_{\mu\nu} - \frac{1}{2}R g_{\mu\nu} + \Lambda g_{\mu\nu} = \frac{8\pi G}{c^4} T_{\mu\nu}$$

**Friedmann  
-Lemaître  
equation**

$$\begin{aligned} \frac{\dot{a}^2}{a^2} &= \frac{8\pi G \rho_{\text{total}}(t)}{3} - \frac{c^2}{R^2 a^2} + \frac{1}{3}\Lambda \\ &= \frac{8\pi G}{3} \left( \rho + \frac{3P}{c^2} \right) - \frac{c^2}{R^2 a^2} + \frac{1}{3}\Lambda \end{aligned}$$



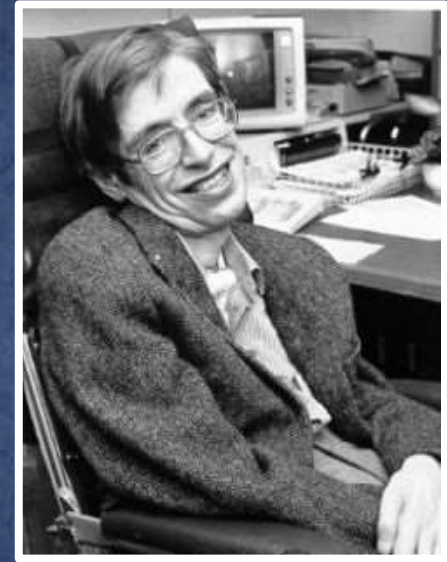
# Must eliminate the origin in time

Beginning:  
origin in  
time



# “How did the universe begin?”

Many scientists would regard this as one of the most profound questions of all. But to Stephen Hawking, ..., the question doesn't ... even exist. [He is] claiming that **the Universe had no unique beginning.**

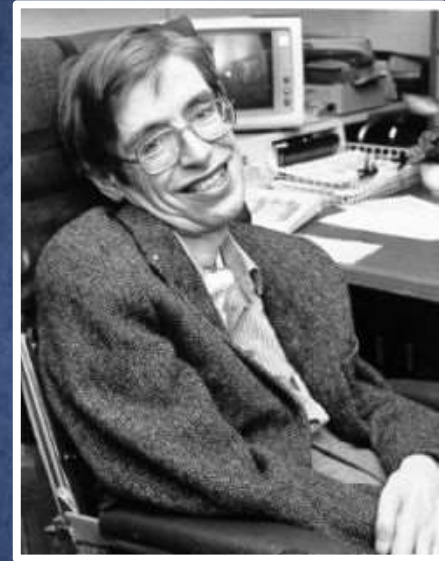


Wikipedia: Public domain

Prof. Stephen Hawking

# “How did the universe begin?”

Instead, it began in just about every way imaginable (and maybe some that aren't). If we start from where we are now, it is obvious that **the current Universe must 'select' those histories** that lead to these conditions. Otherwise we simply wouldn't be here.

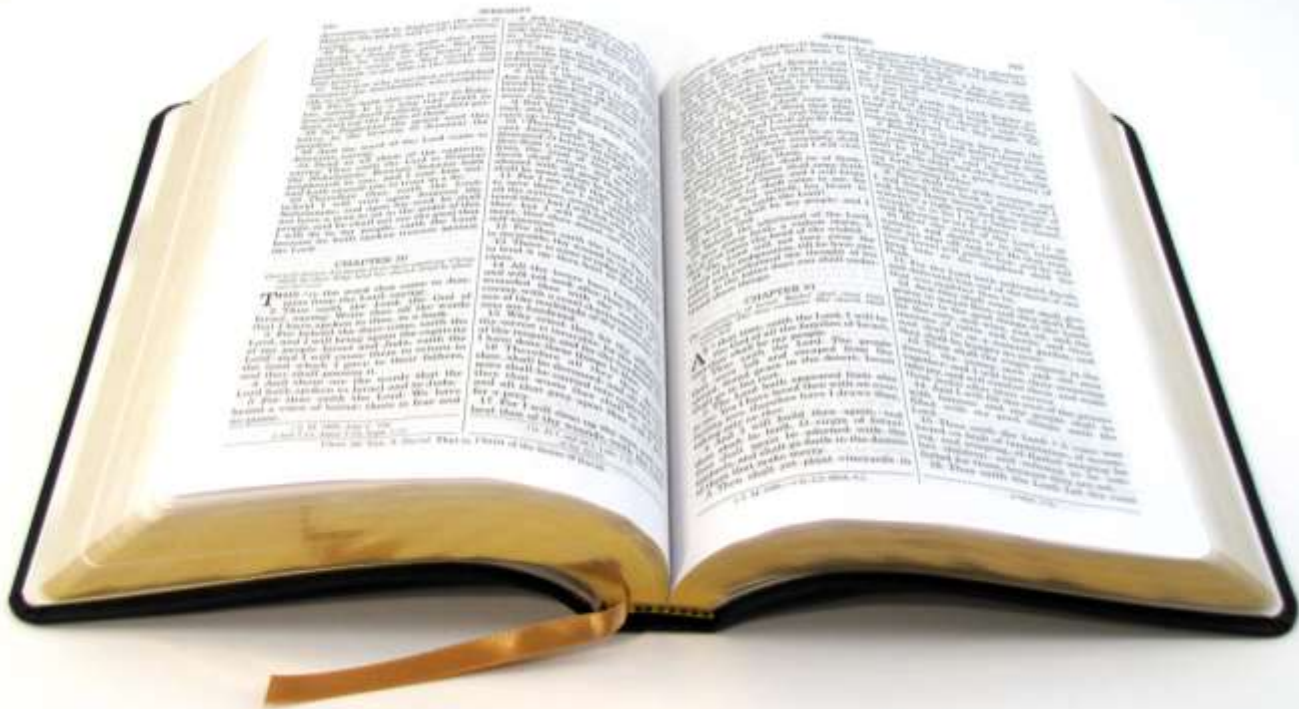


Wikipedia: Public domain

Prof. Stephen Hawking

My main reason (1968) to believe in the Steady State Theory over the Big Bang Theory was **it didn't need a beginning**. Because of that, I believed **it didn't need a Creator**, and because if I believed it did need a Creator then I would have had to acknowledge Him.

John Gideon Hartnett



CHAPTER 37

**T**HOU art the most high one to dwell  
above the firmament of heaven.  
I have heard the voice of thy word,  
O Lord, when thou spakest to them, in a vision.  
Thou hast said, I will bring upon them the sword,  
and I will cause them to inherit the land  
of the enemy, and I will give it to their fathers,  
and they shall possess it.  
O Lord, thou hast said, I will bring upon them the sword,  
and I will cause them to inherit the land  
of the enemy, and I will give it to their fathers,  
and they shall possess it.

CHAPTER 38

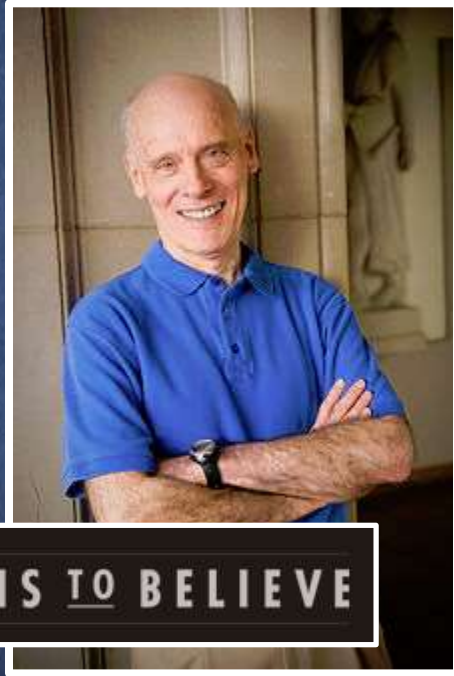
**A**LL the nations shall be gathered  
against thee, O Lord, and they shall  
say, We will fight against thee, O Lord,  
and we will destroy thee.  
But thou shalt say unto them,  
I have done all things, and shall not  
fail.

CHAPTER 39

**A**LL the nations shall be gathered  
against thee, O Lord, and they shall  
say, We will fight against thee, O Lord,  
and we will destroy thee.  
But thou shalt say unto them,  
I have done all things, and shall not  
fail.

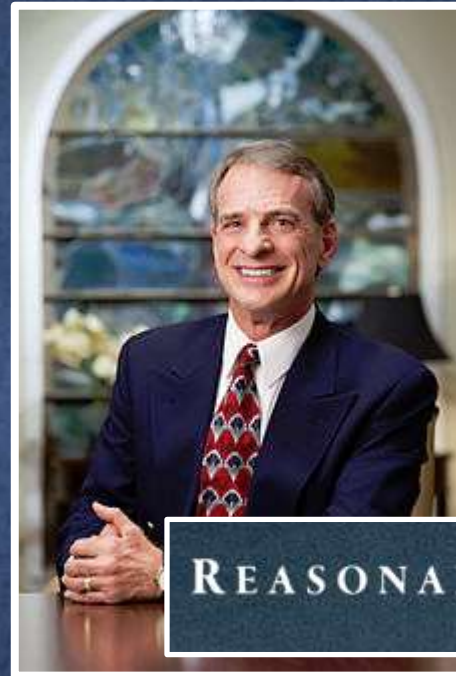
CHAPTER 40

**A**LL the nations shall be gathered  
against thee, O Lord, and they shall  
say, We will fight against thee, O Lord,  
and we will destroy thee.  
But thou shalt say unto them,  
I have done all things, and shall not  
fail.



REASONS TO BELIEVE

Hugh Ross



REASONABLE *Faith*

William Lane Craig

A new quantum gravity theory, eliminates the big-bang singularity



The catch is that by eliminating the singularity, the model predicts that the **universe had no beginning**. It existed forever as a kind of quantum potential before 'collapsing' into the hot dense state we call the Big Bang.

Unfortunately many articles confuse 'no singularity' with 'no big bang.'

Astrophysicist Brian Koberlein



It should also be noted that replacing the big bang singularity with **an eternal history isn't a new idea**. Many inflation models, for example, make similar predictions. But none of these ideas eliminate the big bang, which is **an established scientific fact**.

Astrophysicist Brian Koberlein

# An eternal big bang universe cosmogony!

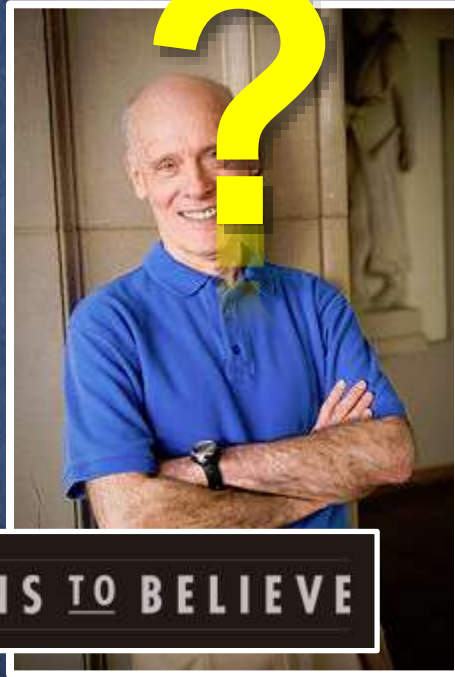
Created by merging the **eternal history** of the Steady State Theory with the expanding out of an initially hot dense state of the Big Bang Theory



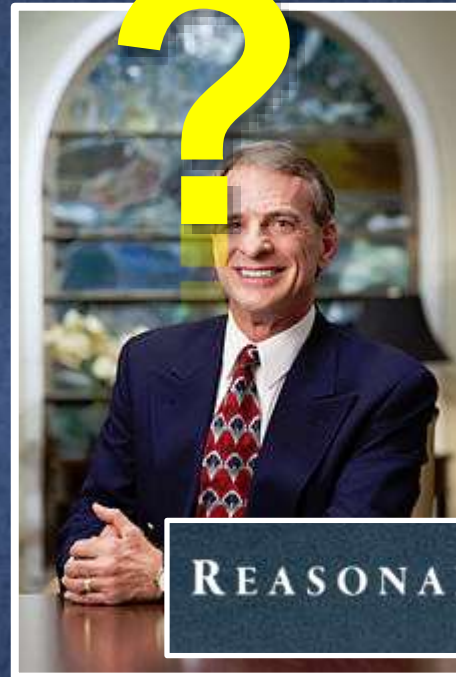
# What remains?

An eternal quantum potential, a new 'god of the gaps'

John Gideon Hartnett



Hugh Ross



William Lane Craig

# Universe from nothing?

1. Many dark entities needed in BB models  
--Dark matter, dark energy (& chameleons), dark fluid, dark radiation, dark flows, dark photons
2. Inflation—BICEP2 fiasco 2014
3. The singularity—the starting point

# “Spontaneous creation of the universe from nothing”

“Cosmologists assume that natural quantum fluctuations allowed the Big Bang to happen spontaneously. Now they have a mathematical proof.”

D. He, D. Gao, and Q-yu Cai, Phys. Rev. D 89, 083510 (2014)

# “Spontaneous creation of the universe from nothing”

- ~~1. CMB radiation claimed as an ‘echo of the big bang’~~
- ~~2. Expansion of space, by extrapolating it backwards, suggests its origin in a big bang, i.e. a dimensionless point—a singularity; and~~
- ~~3. Abundances of the primordial elements, such as hydrogen, helium-4, helium-3, deuterium etc can all be calculated using the theory.~~

# “The singularity”

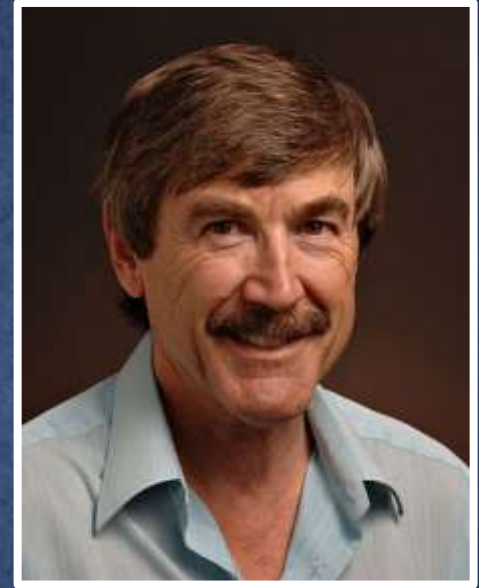
1. The proof they offer is mathematical only
2. What caused the singularity to bang?

$$\left(\frac{1}{a^p} \frac{\partial}{\partial a} a^p \frac{\partial}{\partial a} - ka^2\right)\psi(a) = 0.$$



# ‘Ultimate free lunch’

“So science has done away with the need for a button-pushing creator who lives for eternity before making a Universe at a certain moment in time.”

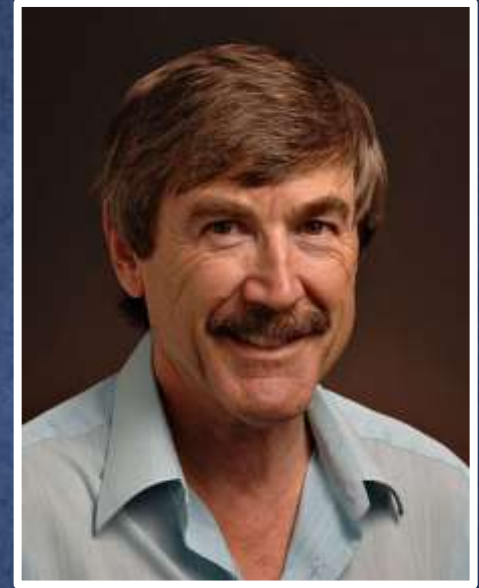


Wikipedia: Public domain

Prof. Paul Davies

# ‘Ultimate free lunch’

“Yet the laws [of physics] that permit a Universe to create itself are even more impressive than a cosmic magician.”

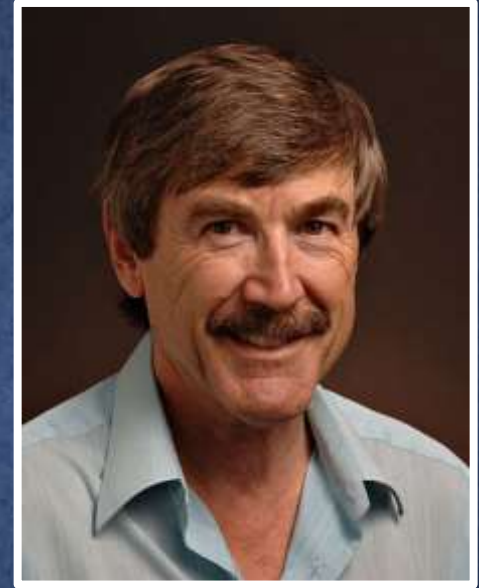


Wikipedia: Public domain

Prof. Paul Davies

# 'Ultimate free lunch'

“If there is a meaning or purpose beneath physical existence, then it is to those laws rather than to the big bang that we should direct our attention.”



Prof. Paul Davies

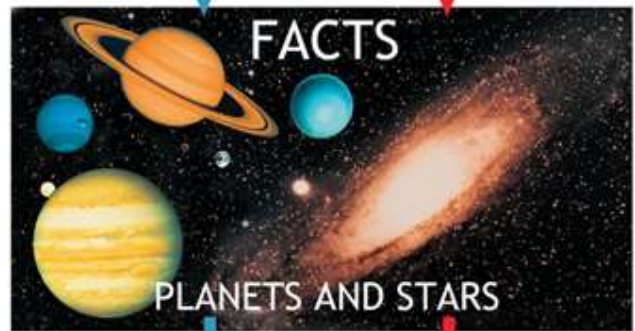


Atheists  
Hugh Ross  
William L. Craig

big bang  
assumptions

biblical  
assumptions

Biblical  
creationists



big bang  
interpretations

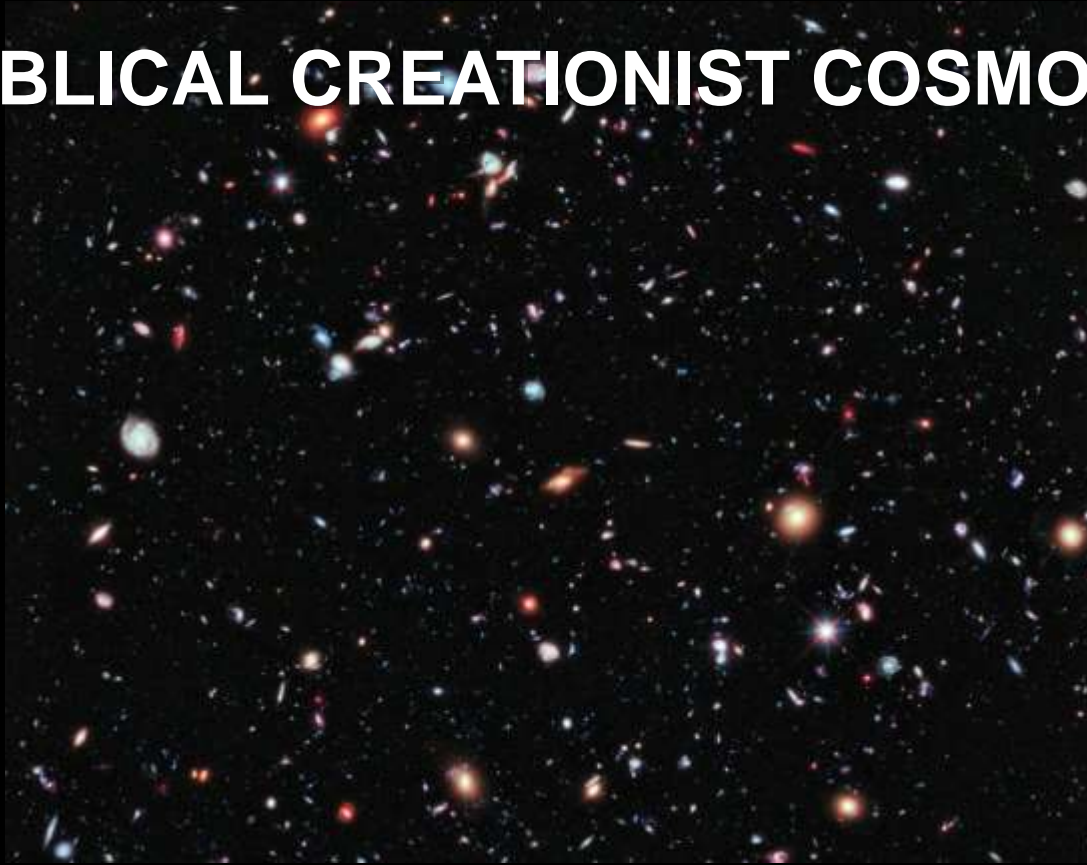
biblical  
interpretations

**A BIBLICAL CREATIONIST COSMOGONY**

**johnhartnett.org**

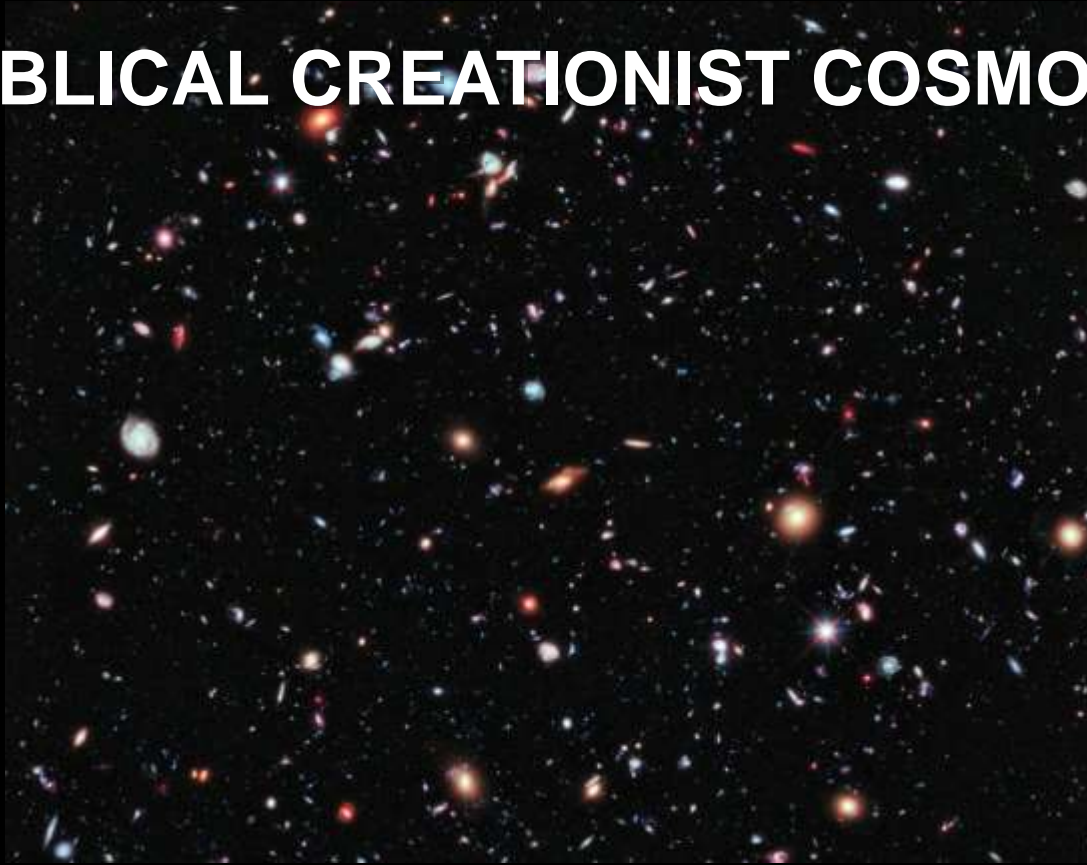
NASA HST

# A BIBLICAL CREATIONIST COSMOGONY



NASA HST

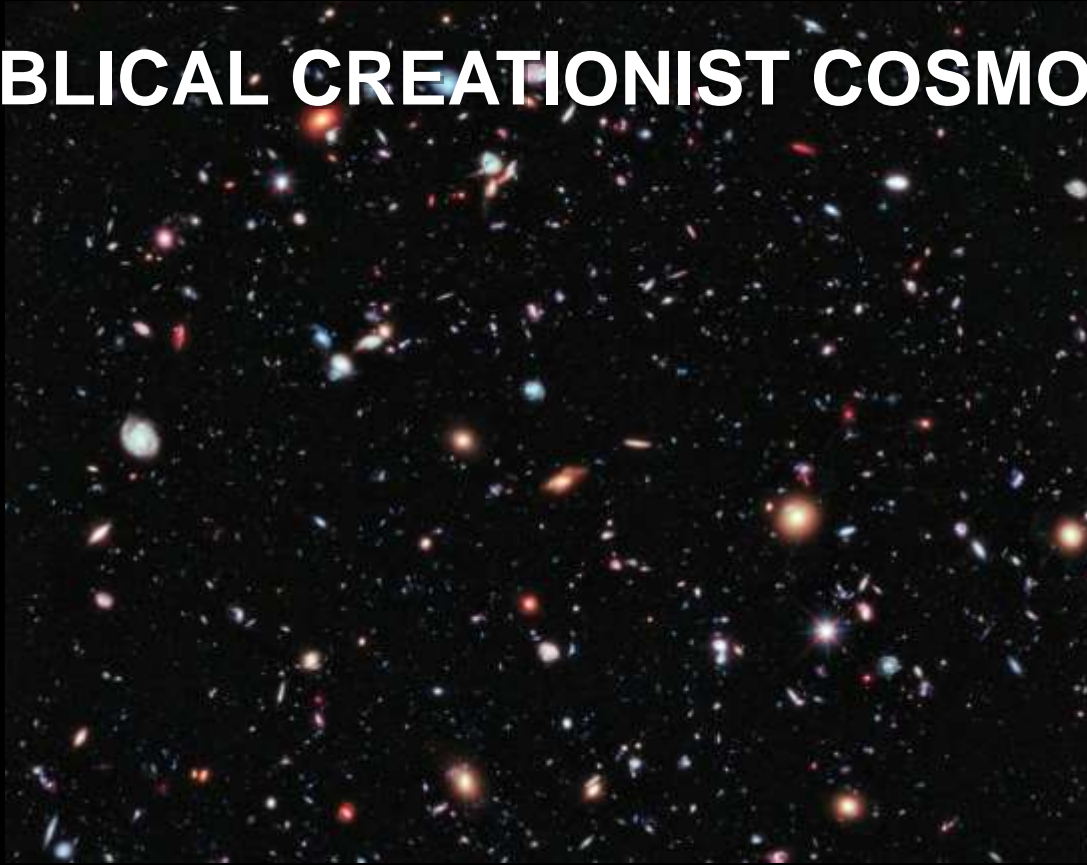
# A BIBLICAL CREATIONIST COSMOGONY



NASA HST



# A BIBLICAL CREATIONIST COSMOGONY



NASA HST

# YEC test

## Exodus 20:11

Holy  
Bible

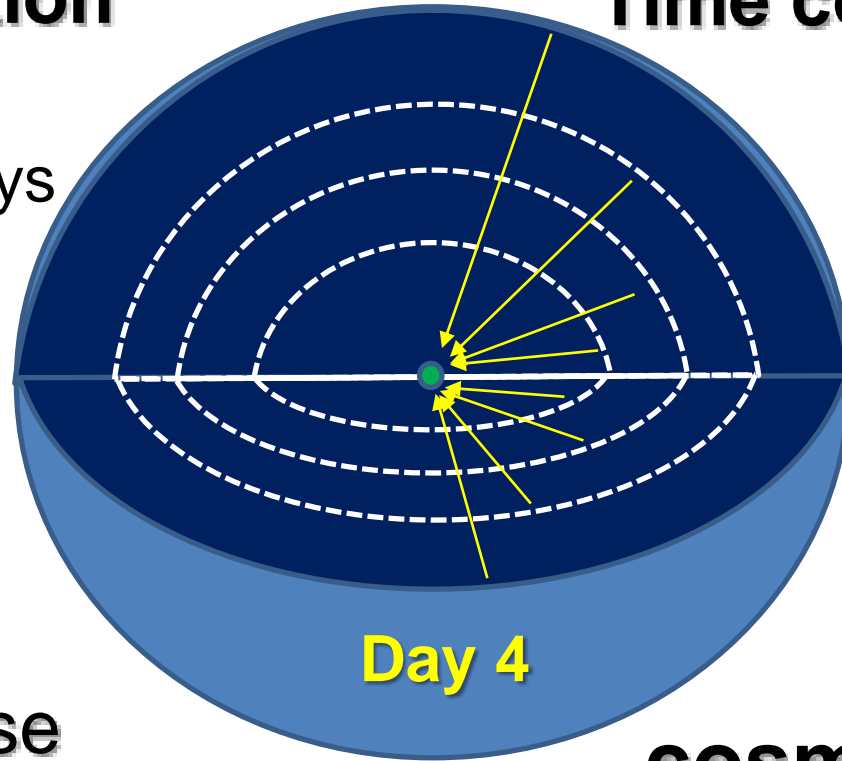
<sup>11</sup> For in **six days** the LORD made heaven and earth, the sea, and all that is in them, and rested on the seventh day.

## Time dilation models

1. Humphreys
2. Hartnett

## Time convention models

1. Lisle
2. Hartnett

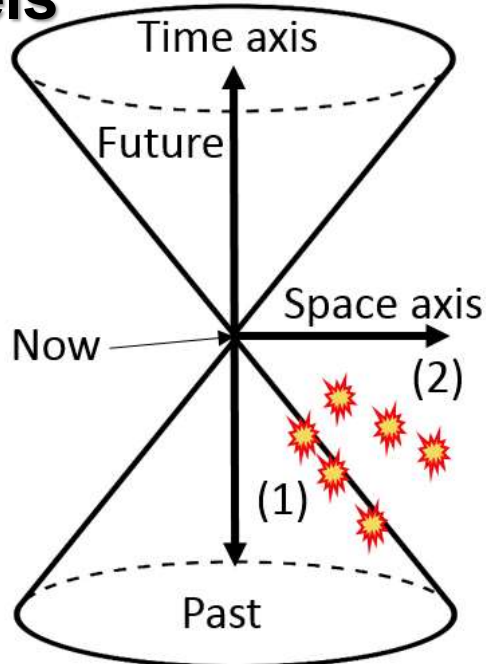


Finite universe

Day 4

Biblical cosmologies

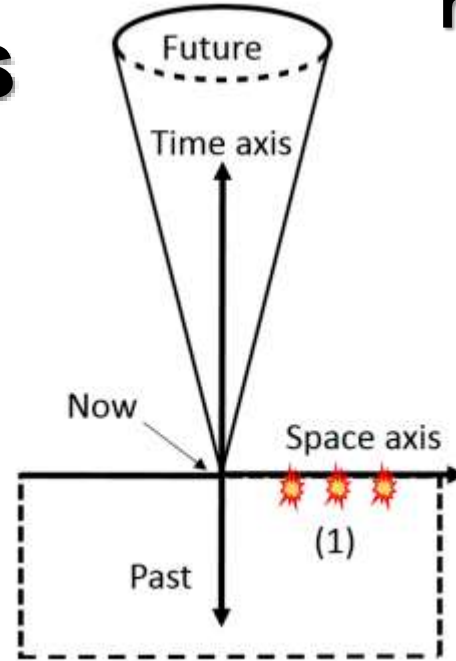
## Time dilation models



**ESC**

# Light Cones

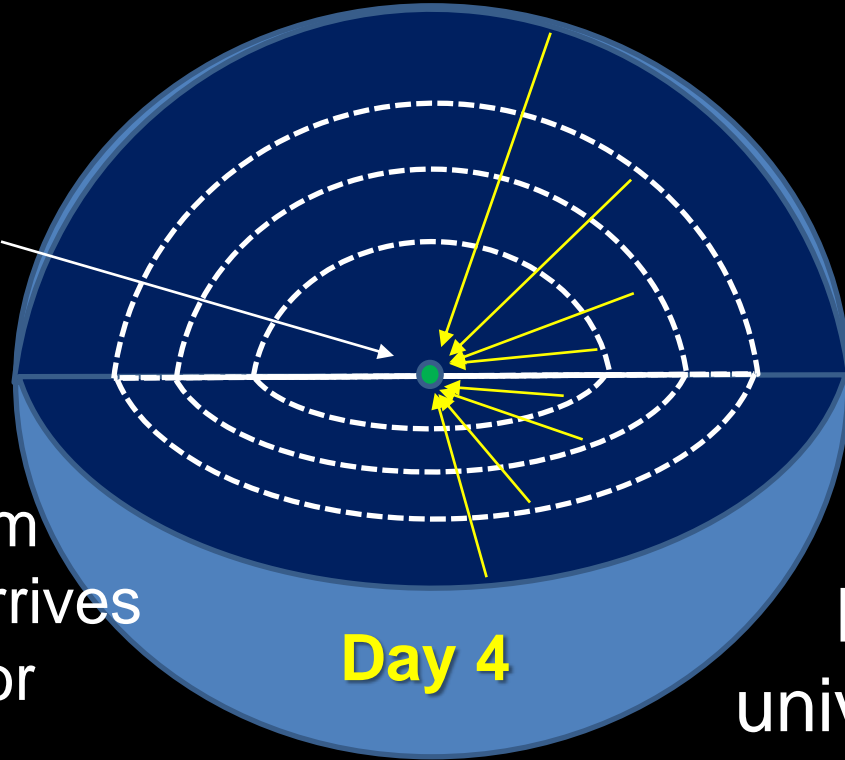
## Time convention models



**ASC**

Day	Biblical creation		Big bang evolution	Sequence
1	Earth		Light	1
1	Darkness		Darkness	2
1	Water		Stars	3
1	Light		Water	4
2	Oceans		Solar system	5
3	Dry land		Earth	6
3	First life (vegetation)		Dry land	7
3	Trees		Oceans	8
4	Solar system		First life (single cellular)	9
4	Stars		Fish	10
5	Fish		Trees	11
5	Birds		Insects	12
6	Mammals		Reptiles	13
6	Reptiles		Birds	14
6	Insects		Mammals	15
6	Man		Man	16

Earth

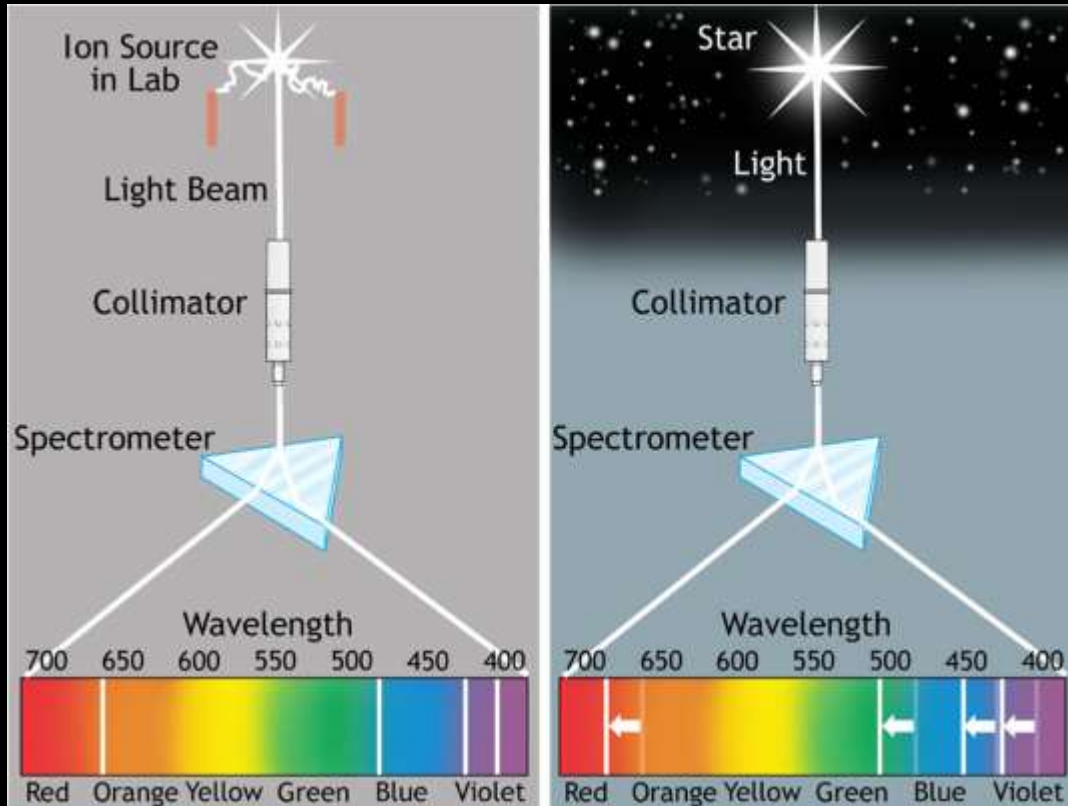


All light from  
the stars arrives  
on Day 4 for  
first time

Day 4

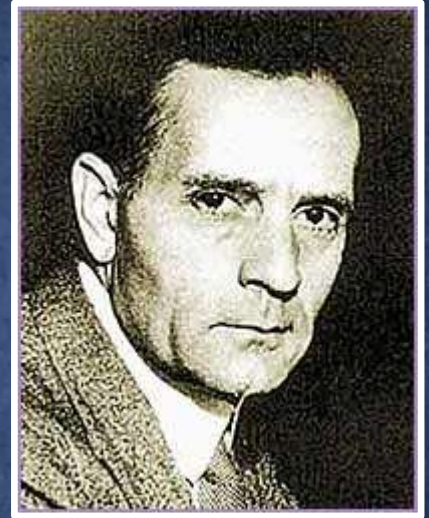
Finite  
universe

# Astronomical Redshifts



# Redshifts

“...the possibility that red-shift may be due to **some other cause**, connected with the long time or distance involved in the passage of the light from the nebula to observer, should not be prematurely neglected.”



Wikipedia: Public domain

Edwin Hubble



# God stretched the heavens?



**Holy  
Bible**

2 Sam 22:10

Job 37:18

Isaiah 51:13

Psalms 18:9

Isaiah 40:22

Jeremiah 10:12

Psalms 104:2

Isaiah 42:5

Jeremiah 51:15

Psalms 144:5

Isaiah 44:24

Ezekiel 1:22

Job 9:8

Isaiah 45:12

Zechariah 12:1

Job 26:7

Isaiah 48:13



Holy  
Bible

## Isaiah 44:24

24 ...I am the LORD that makes all things; that **stretches** forth the heavens alone; that **spreads** abroad the earth by Myself;

[creation.com/bible-cosmological-expansion](http://creation.com/bible-cosmological-expansion)



Holy  
Bible

## Isaiah 34:4

<sup>4</sup> And all the **host of heaven shall be dissolved**, and the heavens shall be rolled together as a scroll: and **all their host shall fall down**, .....



Holy  
Bible

## Revelation 6:14

<sup>14</sup> And the **heaven departed** as a scroll when it is rolled together; .....

# **Static universe cosmology**

**4 papers** describing model on **[johnhartnett.org](http://johnhartnett.org)**

1. EXPANSION OF SPACE – A DARK SCIENCE
2. A BIBLICAL CREATIONIST COSMOGONY
3. SPECULATION ON REDSHIFT IN A CREATED UNIVERSE
4. SUPERNOVA REMNANTS AND THE AGE OF THE UNIVERSE

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