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# Discovery

*Scripture & Science for Kids*





# BOOM Goes the Bad BIG BANG

JEFF MILLER

major problems with this idea.

First, the Big Bang Theory predicts that everything in the Universe—all the planets, stars, etc.—should be expanding away from each other over time, in the same way that stuff flies apart after an explosion. The problem is that American astrophysicist Halton Arp has discovered several examples of galaxies that

are not doing what they should be doing if the Big Bang Theory is true. Many atheists do not want to think about Arp's discoveries, since his discoveries show that the Big Bang Theory is not true and means that astronomers should completely change the way they view the Universe. So, Arp is known to some atheists as "the most feared astronomer on Earth."

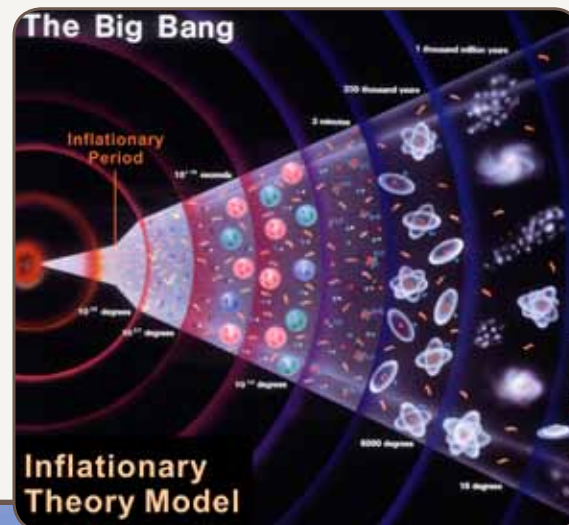
Second, the Law of Causality (or the Law of Cause and Effect) is a very important law of nature. It says that every effect in the Universe must have something that caused it. That cause has to be powerful enough

to make the effect, and it has to come before or at the same time as the effect. Without the existence of this law, there would be no such thing as studying science, since science involves trying to find out what will tend to happen (effects) every time you do



HALTON ARP

**ATHEISTS ARE PEOPLE WHO BELIEVE THAT THERE IS NO GOD. BUT IF THERE IS NO GOD, WHERE did the Universe come from? How did we get here? Many atheists believe that **everything in the entire Universe** used to be squished into a very, very tiny, dense, hot ball, about the size of the period at the end of this sentence. They think that billions of years ago, that ball—the "cosmic egg" or "ylem"—exploded in what is called the "Big Bang." So everything in the Universe has been flying away from that place where the little ball exploded since then, according to atheists. But when we look at the evidence from science, we discover that there are**



certain things (causes). The problem is that the Big Bang does not give us a cause. It is an effect without a cause. To believe in such an idea would be unscientific, since it goes against the evidence from science. The Universe and its behavior are effects that need a cause, and the Big Bang cannot give that cause. The only way to explain the effect of this Universe is to realize that there must be Someone above this Universe that caused it. According to the Bible, that "someone" is God.

And then there's the fact that even if the Universe was originally squeezed into a tiny ball, the Big Bang still doesn't explain where that little ball could have come from. There are only two possibilities—either no one put the Universe here, or Someone put it here. If no one put it here, which is what the atheist believes, then it either had to create itself—it just popped into existence out of nothing (this is called "spontaneous generation"); or it had to exist forever (this is called "eternal"). But once again, the evidence from science speaks against these two options.

The 1<sup>st</sup> Law of Thermodynamics says that if something happens in the Universe (like wood burning up or the tiny "ylem" popping into existence), the amount of "energy" in the Universe before and after it must be the same. The energy can change into other forms (like wood changing into smoke, ash, heat, and light as it burns), but the Universe still has the same amount of energy. This means that according to the evidence from science, the Universe could not have created itself. The amount of energy in the Universe



before the tiny ball existed (which would be zero energy) must equal the same amount of energy in the Universe after it came into existence (which would be all the energy in the Universe). According to the 1<sup>st</sup> Law of Thermodynamics, that cannot happen. The only way the Universe could change from zero energy to all the

energy we have now is if Someone outside of the Universe put that energy here.

The 2<sup>nd</sup> Law of Thermodynamics says that even though the amount of energy in the Universe stays the same when something happens, some of that energy has become less "usable" along the way. In other words, you can't use it as easily. When wood burns, you are left with basically a pile of ash, which is less usable. So the Universe is wearing out—getting old and decaying. This means that the Universe could not have existed forever, or else we would be out of usable energy—everything would be completely worn out. But we have lots of usable energy! If the Universe is not eternal and could not have popped into existence, then Someone outside of the Universe must have created it. That Someone is God.

The Law of Rationality says that we have to follow the evidence wherever it leads us. The evidence from science says that the Big Bang Theory is impossible. Someone had to create the Universe. It cannot be the result of a big explosion. According to the first verse of the Bible, God created the Universe.



# DARK FUDGE...FACTORS

JEFF MILLER

**MANY ASTRONOMERS BELIEVE THAT THE BIG BANG HAPPENED. SO, WHEN THESE ASTRONOMERS STUDY SPACE, THEY interpret what they see with that in mind. The problem is that the more that space is studied and evidence is gathered, the more astronomers realize that the evidence does not line up with the Big Bang. But astronomers refuse to give up on it. Instead, with each new discovery they try to patch up the damage that has been done to the theory with "fudge factors."**

Sometimes scientists come up with an equation that **almost** perfectly describes something they've studied—but not quite. In order to make the equation work, they add a very small number to the equation—what scientists sometimes jokingly call a "fudge factor." The fudge factor is usually very small, and tells the scientist that his equation is basically correct but is still missing something. It is very important that that factor be small, because if it is large, it probably means that his equation is totally wrong.

The problem with the Big Bang Theory is that it requires **huge** fudge factors to try to make the Big Bang model work. Back in the 1970s, cosmologists (scientists who study the cosmos) began adding these factors to try to explain why their model was not working. Instead of being a very small part of the equation, these cosmologists estimated that these fudge factors made up 50% of the Universe! Today, cosmologists call these factors various things that start with the word "Dark" (for example, Dark Matter, Dark Energy, Dark Flow, Dark Light, etc.), and they now think that the Universe is made up of **96%** of these fudge factors! These mysterious factors **have never been observed by scientists**. They have no idea what they are or what they are made of. Scientists do not even know for sure that they exist; yet, atheists claim that they **must** exist since the Big Bang model cannot work without them!

Interestingly, some scientists have come up with other theories that erase the need for Dark Energy (a 73% fudge factor in the Big Bang model). But these theories are not very popular, because they say that the Earth is in a special place close to the center of the Universe—not in a random place as would be expected by a Big Bang. If cosmologists would realize that the Bible's story about how the Universe got here is correct, it would shine the light of truth into the field of cosmology, eliminating the "Dark" fudge factors that prove the Big Bang to be wrong.

## THE BIBLE AND THE BIG BANG

ERIC LYONS



**SOME CHRISTIANS THINK THAT BOTH THE BIBLE AND THE BIG BANG THEORY ARE TRUE. THEY SAY THAT GOD started creation off with the "Bang" and that things proceeded from there over billions of years, just as the theory says. Is there anything wrong with this idea?**

Actually, there is a lot wrong with this idea. First, Christians who believe in the Big Bang Theory do so in spite of (1) the **lack** of scientific evidence **for** the theory, and

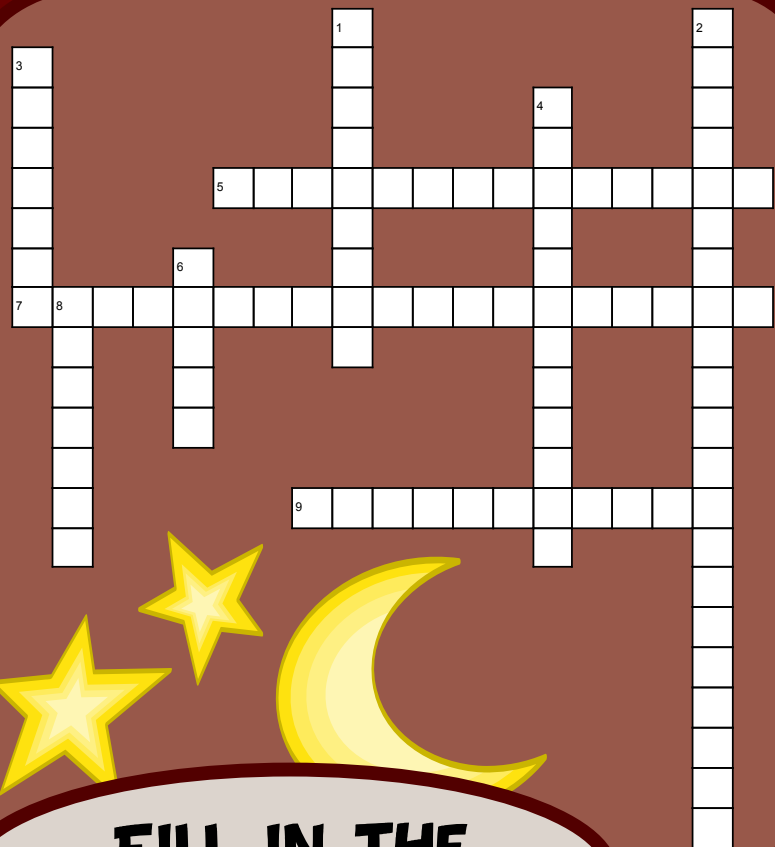
(2) the clear scientific evidence **against** it (as you've already seen in this issue of *Discovery*).

Second, the God-given order of Creation in Genesis one contradicts the Big Bang Theory. For example, the Big Bang Theory teaches that the **Sun** formed many millions of years **before** the Earth, but God says in the Bible that He made the **Earth before** the Sun. On day one, He created the Earth, and three days later He created the Sun (Genesis 1:1-5, 14-19). [Remember that "the Father of lights" (James 1:17), Who is "light" (1 John 1:5), could easily create light without first having to create the Sun. Just as God could produce a fruit-bearing tree on day three without a seed, He could produce light supernaturally on day one without the Sun—which three days later became Earth's natural light giver when God created it.]

Finally, Christians cannot logically believe in both the Bible and the Big Bang, because the Bible simply does not leave room for a theory that requires 14 billion years. According to the Bible, God made everything in six days only a few thousand years ago (Exodus 20:11; Genesis 5; 11). What's more, the creation of man was not separated from the creation of the Universe or the Earth by billions of years. According to Jesus, "God made them male and female" "from the beginning of the creation" (Mark 10:6). Man has been on Earth "from the foundation of the world" (Luke 11:50). He did not arrive on the scene billions of years after a fictitious big bang. He arrived on the scene five days after the Earth was created, and two days after the Sun.

Christians have no logical reason to believe in the Big Bang Theory. In truth, it is scientifically inaccurate and biblically impossible.





## FILL IN THE BLANKS

- The original ball of matter that supposedly exploded is known as the "cosmic \_\_\_\_\_" or "\_\_\_\_\_."
- Halton \_\_\_\_\_ is known to some atheists as "the most feared \_\_\_\_\_ on Earth."
- The \_\_\_\_\_ Law of Thermodynamics says that if something happens in the Universe, the amount of \_\_\_\_\_ in the Universe before and after it must be the \_\_\_\_\_.
- The \_\_\_\_\_ Law of Thermodynamics says that even though the amount of energy in the Universe stays the same when something happens, some of that energy has become \_\_\_\_\_ usable along the way.
- The Big Bang Theory teaches that the \_\_\_\_\_ formed many millions of years before the Earth, but God says that He made the \_\_\_\_\_ before the Sun.

## CROSSWORD CHALLENGE

Across:

- Says that every effect in the Universe must have something that caused it
- A special machine (a particle accelerator) in Switzerland
- A name the media has given the Higgs Boson particle

Down:

- American astrophysicist who discovered several examples of galaxies that are not doing what they should be doing if the Big Bang Theory is true
- Popping into existence out of nothing
- To exist forever
- Scientists who study the cosmos
- Said that God made man "from the beginning of the creation"
- A person who believes that there is no God

## TRUE OR FALSE

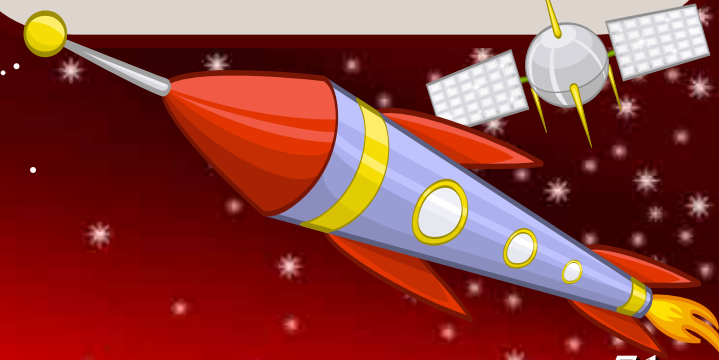
- The Big Bang does not give us a cause.
- The Big Bang Theory is very scientific, since science has proven it to be true.
- The Universe could not have created itself.
- The Bible and the Big Bang Theory are very compatible.
- Scientists know exactly what Dark Matter and Dark Energy are.
- The Bible does not leave room for billions of years of evolution.
- Scientists have now discovered the "God particle," which proves that God does not exist.
- According to the Bible, God made everything in six days only a few thousand years ago (Exodus 20:11; Genesis 5; 11).

Dear Digger Doug,  
Does God make everything work out for the best?

—Drew Haley Smith,  
Auburn, AL

Dear Drew Haley,

Thanks for the great question. It just so happens that there is a Bible verse that gives us a very clear answer. In Romans 8:28 we read: "And we know that all things work together for good to those who love God, to those who are called according to His purpose." We learn from this verse that the answer to your question is yes—and no. What I mean by that is that everything works together for good for those who love God. Notice that the promise is only for those who love God. People who do not love God should not expect things to work out for the best in their lives, since God has not promised them that it will. But for those of us who love God, we know that all things work together for good. One thing we need to understand, however, is that not everything in your life will be good. There will be some things that happen that are evil. Some people might lie about you, steal things from you, call you names, or other bad things. The verse does not promise us that God will protect us from every bad thing. It simply says that God will use everything in our lives, both good and bad, to work things out for good, if we love Him. Thanks again for reading *Discovery* and for sending us your question.





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ADDRESS SERVICE REQUESTED

# NOT a BIG BANG MACHINE

JEFF MILLER



## NEWSCASTERS OFTEN EXAGGERATE IN ORDER TO GET PEOPLE TO READ THEIR STORIES. THE MORE PEOPLE

read their stories, the more attention they get and the more money their news organizations make. An example of this exaggeration has been the excitement over a special machine in Switzerland that speeds up tiny particles and smashes them together—a particle accelerator known as the Large Hadron Collider (LHC).

The machine has been called the “Big Bang Machine” by the media, as though scientists can flip the switch on the particle accelerator when they get to work in the morning and create new universes through Big Bangs every day. In truth, according to the LHC authorities themselves, the accelerator tries to recreate things that **might** have happened **after** the Big Bang (even though, as we have shown in this issue, the Big Bang is impossible). The recreated conditions are on a very, very small scale compared to what the Big Bang would have supposedly been, and the LHC scientists admit that these conditions actually happen all the time **naturally** in Earth’s atmosphere, and yet no universes are created. So the LHC is not really a “Big Bang Machine” at all.

Another thing the media has exaggerated about the LHC has been the so called “God Particle” (or Higgs Boson particle). The media gives the impression that this particle plays God in the Universe—creating things right and left—and somehow proves that the Big Bang happened and proves that God does not exist. But in truth, the particle does nothing of the sort. It is just another tiny element of God’s creation that scientists have discovered, just like how they discovered gravity and tiny atoms. Scientists believe that this particle helps to explain why things have mass, but the Higgs Boson does not create anything from nothing. That would go against the 1<sup>st</sup> Law of Thermodynamics, as we learned earlier in this issue. Only Someone outside of the Universe could create something from nothing—God.

Bible believers know that when scientists discover new and amazing things about God’s creation, it proves that our God is awesome and that there will always be more to learn, since He is an infinite God. When scientists discover tiny things like the Higgs Boson particle, it shows us more about how “the things which are seen were not made of things which are visible” (Hebrews 11:3).



The Large Hadron Collider in Switzerland

## ANSWERS

**FILL IN THE BLANKS:** 1. egg, ylem; 2. arp, astronomer; 3. First, energy, same; 4. Second, less; 5. Sun, Earth.  
**TRUE OR FALSE:** 1-T; 2-F; 3-T; 4-F; 5-F; 6-T; 7-F; 8-T.  
**CROSSWORD CHALLENGE:** Across: 5. Law of Causality; 7. Large Hadron Collider; 9. God particle; Down: 1. Halton Arp; 2. spontaneous generation.  
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