

# CSA News

The Creation Science Association for Mid-America

"It is better to trust in the Lord than to put confidence in man" Psalm 118:8

Volume 20(1) Jan - Feb, 2003

## CSA Begins 20th Year - Thank You!

The faithfulness of CSA workers has been matched by your prayers and support for nearly 20 years. Though we have virtually never had much spare change, neither have we ever gone into the red. We intend, and pray that, through our seminars, safaris and writing, we will continue to bring the truth and importance of creation to many.

We appreciate your continued support, and covet your prayers! If you have occasion to call and are fortunate enough to get her, welcome Troy Lynn Swank to our staff. Troy loves the LORD, is smart, has extensive experience as a computer graphic artist and is already having an impact at CSA. Add her to your prayers.

## Ohio Joins Kansas as a "Laughing Stock"

In 1999, Kansas reentered "the Dark Ages," and became the "laughing stock" of the world, etc., because the Kansas State School Board tried to place limits on the unbridled arrogance and unjustified conviction with which evolution is taught in Kansas Schools. While people interested in truth are not really interested in how much company they have, it is a bit humorous to note that Kansas was led by Alabama, Texas and others, and is being followed by citizens of Virginia, Georgia, et al... and now, Ohio.

The Ohio State Board of Education, after almost a year of deliberating and fact-finding, voted **unanimously** on October 15, 2002, for some changes:

The Ohio Science Writing Team had submitted a definition of science: "Recognize that scientific knowledge is limited to natural explanations for natural phenomena based on evidence from our senses or technological extensions." The Board version reads: "...science is a systematic method of continuing investigation, based on observation, hypothesis testing, measurement, experimentation, and theory building, which leads to more adequate explanations of natural phenomena." The wording was different, but the content similar to the one first adopted in Kansas. A phrase, promoted by the atheist National Academy of Science, that is missing is "natural explanations." This could tend to prevent teachers and administrators from telling a student who asks, "What about creation?" "That is not science, see your preacher, rabbi or parents" - a neat way to avoid embarrassment... and substance. There were also other changes. It is hardly the blow that evolution deserves, the standards are still evolutionary. But it is a small step. There is much weeping and gnashing of teeth, even over this. Adoption is not formal until the December meeting, but seems likely.

Another Great Proof of Evolution

## Light From Distant Stars - Part II

Or "What's the Matter with Matter?"

By Tom Willis

"The Problem:" "The Bible describes a cosmos only a few thousand years old, but, since we see stars billions of light years away, they must be billions of years old."

Many people think there is no rational answer to this argument. Many in the church despaired, others became "old earth Christians" and/or "Big Bang Christians." Jesus taught "Thy word is truth." There may be "old earth Christians," but there is no "old earth Christianity." In Part I last issue (Vol 19, No 6, Nov-Dec, 2002), I gave two valid answers to "the problem." I also suggested these may not be the best or the true answers.

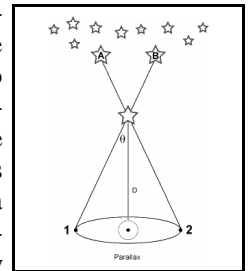
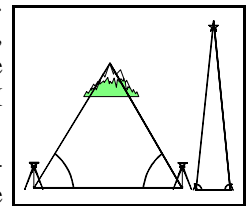
### Response 3: Do You Really Know Distance to Stars, How Fast Light Travels, or How it Gets Here?

If this begins to seem too technical, don't quit - hang in there! In order for "Light from Distant Stars" to be a problem for biblical history, men must **know** some things: 1. Distance to the stars; 2. Velocity of light, throughout history, and everywhere in the cosmos today (and that the answers I gave in Part I are wrong).

Distance to a nearby mountain can be accurately calculated by a surveyor like George Washington. Aim a transit at the mountain from two different points, record the angle from a line between the points and the distance between the two points. Then by high-school trigonometry you can calculate the distance to the mountain. In theory, this works for stars using the length of the earth's orbit (a theory) and a few other theories. In surveying, we call the strategy "triangulation," in astronomy, "parallax."

Except for very close stars in our galaxy, the angle gets smaller than the precision of our instruments. Even using the new satellite, HIPPARCOS, which is hoped will improve precision many times, only distance to stars in our own galaxy will be measurable with these theories.

Distance to more distant stars is "measured" by the theory that a certain type of pulsating brightness is a "Cepheid Variable."



## CSA Family Creation Safaris for 2003

"Fun for all Ages + Good Science Education"

Safaris will be announced in the March CSA News (mailed in February). The Lord willing, the first safari will be in March, 2003.

For details, visit [www.csama.org](http://www.csama.org), call (816) 618-3610 or write: CSA, 22509 State Line Road, Cleveland, MO 64734

Based on the period (frequency) of the pulses, the theory tells us how bright (luminous) they are. Based on how bright they appear to us, another theory tells us how far away they must be. Minor note: There is no way any of these theories can be tested. Like other theories, especially in astronomy, however “reasonable,” they must be believed by faith.

Current theories of light and electricity are contradictory, requiring they be both particles and waves. In some situations, we use wave equations, in others particle equations. But, nothing can be both particle and wave. A particle (like a bullet) moves mass from one location to another and is virtually always hindered by a medium, e.g., a bullet moving in air, glass, steel, water, etc. Without a force, an “oscillating particle” violates the 1st Law of Motion. Waves oscillate, **require** a medium and do not move any mass. Drop a rock in water, or strike a piece of steel. Waves may go far, but the water (or steel) molecules stay about where they were. Light travels nicely through a “vacuum” (space). If light is a wave, what is its medium? Light travels through solid glass, plastic, and some crystalline materials... and water, but not through copper or iron. Theories describe light and electricity as an electromagnetic phenomena. Electricity travels nicely through copper, iron and water, but not through glass or plastic.

### How fast does light travel - how fast *can* it travel?

Not too long ago, light “had infinite velocity.” Roemer, in the 1600’s (others later) “measured” light velocity at around 186,000 miles per second. Einstein’s *sacred* theories, hold that nothing else can travel as fast as light, it’s mass (thus it’s weight) would be infinite. Yet matter has been observed traveling many times this speed (superluminal jets). Light, in the last decade, has been slowed to 33 miles per hour, stopped completely, and observed to travel, in cesium, at hundreds of times as fast as its own supposed maximum velocity in a vacuum.

We know that light travels in a medium, and its velocity can be greatly affected by the medium. How does light travel through a vacuum? Is there any such thing as a vacuum? Aristotle said there was not; Pascal, we thought, proved there was; quantum physics says it (all space) is full of fields and particles.

Theories of light are intricately entwined with theories of matter. Popular textbooks show us simple models of the atom which no one believes anymore. Even our definitions of matter have curiously evolved. **Mass** was defined by Newton as **quantity of matter**. *Science* told us one object the same size as another may have more *mass* because it is more dense. But, we can’t measure mass directly. We can weigh two rocks and claim one has more mass than the other, but they will weigh differently on the moon, or even on the top of a mountain. So we say weight is proportional to mass as affected by the “gravitational field” it is in. Mass calculated this way is “gravitational mass.” We can use the 2nd Law of Motion ( $f = ma$ : force = mass x acceleration). By measuring the amount of force to achieve an acceleration the theory tells us the “inertial mass,” which normally equals “gravitational mass.” Einstein’s theories said mass would increase toward infinity as velocity approached the velocity of light. In accelerators, a constant electric field causes particles to accelerate, but at high speeds has less and less effect, “confirming Einstein.” But, a tiny force at right angle to the high velocity will move the particle. “Mass (quantity of matter) has only *increased* in the direction of travel,” an irrational statement.

If you trace the definition of “mass” through history, you find it still defined today in my son’s college text as “quantity of

matter.” But, “more sophisticated” writers since Einstein define mass as “resistance to acceleration.” Anyone with any knowledge of language and history knows this is the definition of “inertia,” not mass. Newton held that “inertia” was related to and caused by mass, not the same as mass. Scientists talk glibly about *rest mass, inertial mass, gravitational mass, longitudinal mass, and transverse mass*. Pause here! Try substituting “*quantity of matter*” for “*mass*” in these phrases!

Newton believed rocks go down because of “gravity” which, in his theories, is a force between two objects, proportional to the product of their **masses** (quantity of matter), and inversely proportional to the square of the distance between them. Einstein believed rocks go down because mass “curves space-time,” whatever that means. He thought “gravity” was superstition. He also thought mass increased toward infinity, only in the direction of travel, whatever that means. Is the gravity of (observed) superluminal jets (matter going faster than light) greater than infinity? If light is a particle, when it travels faster than light, does it have greater than infinite mass and gravity?

At least one minority theory of matter holds that inertia is a real electromagnetic force, that mass and time are real, not variables, and the velocity of light **is variable**, dependent on its location, and is **infinite** in deep space, eliminating the “light from stars problem,” and agreeing with observation. Even if the theory is true, it will not be popular.

Does man really understand light... or matter, for that matter?

### Now, is Light from Distant Stars a Problem?

As Karl Popper (1902-1994) put it, “*Science seeks true theories but can never be certain which theory is true,*” and “*a scientific law is conclusively falsifiable although it is not conclusively verifiable.*” Nonchristian philosopher of science, George Gale, says “*All theories of modern science are false.*” Recently, a well known astronomer said, “*If you don’t believe the theories in astronomy you had just as well forget it, because astronomy offers little else.*” Consider: the velocity and propagation of light are theories, the distance to stars is theory, the nature of matter, light, energy, etc., are theories, all filled with contradictions! Belief in these theories as a coherent whole requires belief in the unverifiable... and the absurd.

Since the Laws of Complex Systems, covered in four consecutive 2002 CSA News have no internal contradictions, since they clearly require a creator, who is transcendent to matter and life, to be the cause of matter and life; and since only in the Bible has such a creator given us a credible testimony of how and when he did it, I choose to place my faith there, rather than in a porridge of contradictory, frequently irrational, often known-to-be-false, theories.

The Bible clearly says the cosmos is young, and much evidence agrees. In Part I, we presented two other responses to the “light problem.” In Part II, we have suggested that our knowledge of matter, distance to stars, light velocity, and how it is propagated is very tentative, to say the least. To me, it would be very unwise indeed to reject Jesus or the Bible he represents for such a proposition as “light from distant stars”.

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### Real Scientists Just Say NO! By Tom Willis

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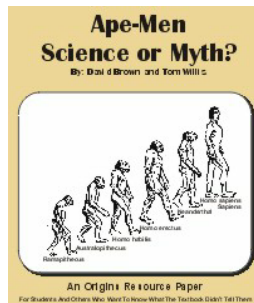
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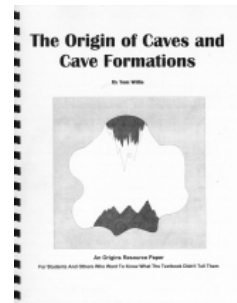
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**The CSA Lending Library - Librarian: Larry Rink  
8904 Mastin, Overland Park, Ks 66212, (913) 492-6545**

### Are You Participating in CSA As Much as You Should?

"The harvest is plentiful, but the laborers are few." Are you doing all the Lord has called you to do in the war for the minds and hearts of our citizens... especially our youth? **CSA** is not a closed fraternity. Any born-again believer who is abiding in the words of Jesus, and has been gifted in research, computers, speaking, clerical activities, writing of articles or book reviews, etc., and who has heard a call to serve in an origins ministry should consider and pray about serving with us. Write or call for more information.

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**The Creation Science Association  
for Mid-America**

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**CSA Monthly Meeting Location: Westbrooke Church 9898 West 95th, Overland Park, KS**

Four blocks East of 69 Highway (or Switzer) on North side of 95th Street

**Refreshments: 6:15PM - Meeting: 7:00PM Nursery Available: \$2.50 per child (Reservations required for nursery)**

**CSA Meeting - Tuesday, Jan 7, 2003**

**Pharaohs and Kings:  
A Biblical Quest - Part II**

*Video by David Rohl, Archeologist*

Rohl, not a believer, is one of the modern opponents of the "standard" Egyptian chronology. He defends his changes well, then shows they make it easy to find many links between Egyptian and Biblical history: Joseph (home, tomb, and enormous statue in Goshen of a foreigner with high political power and multicolored coat, his administration, 7-year famine, and the growth of power by the Pharaoh); Moses (birth, sojourn in Egypt, slaughter of male infants, weakened Egypt); the Exodus (conquest of Jericho and other key Canaanite cities); Saul (his name, defeat, et al); David (captures Jerusalem, rise to power, and more); Solomon (marriage to Pharaoh's daughter, massive building projects, et al). Rohl does not claim to discover all of these, but that, with his revised chronology, they are easy to identify in the museums of Europe and the Middle East.

[Both Pharaohs and Kings videos may be purchased from the Discovery Channel]

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**CSA Meeting - Tuesday, Feb 4, 2003**

**God Does Not Believe in Atheists**

*By: Glenn Kailer*

The Apostle Paul wrote in Romans 1 that all men know God's invisible qualities, his eternal power and divine nature, by the things he has made. Which qualities? Revealed how? If it is true that all men know these attributes of God, it must also be true that no advanced science education is required. Discussing such observations as spilt milk and dead batteries launches a logical application of several Laws of Physics, but without the need for scientific terminology. A brief introduction to DNA as a language system opens a fresh discussion of revelation. Could "natural theology" lead to a concept of The Eternal, Incarnate Word? This session features ideas you will be easily able to understand and share with others.

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