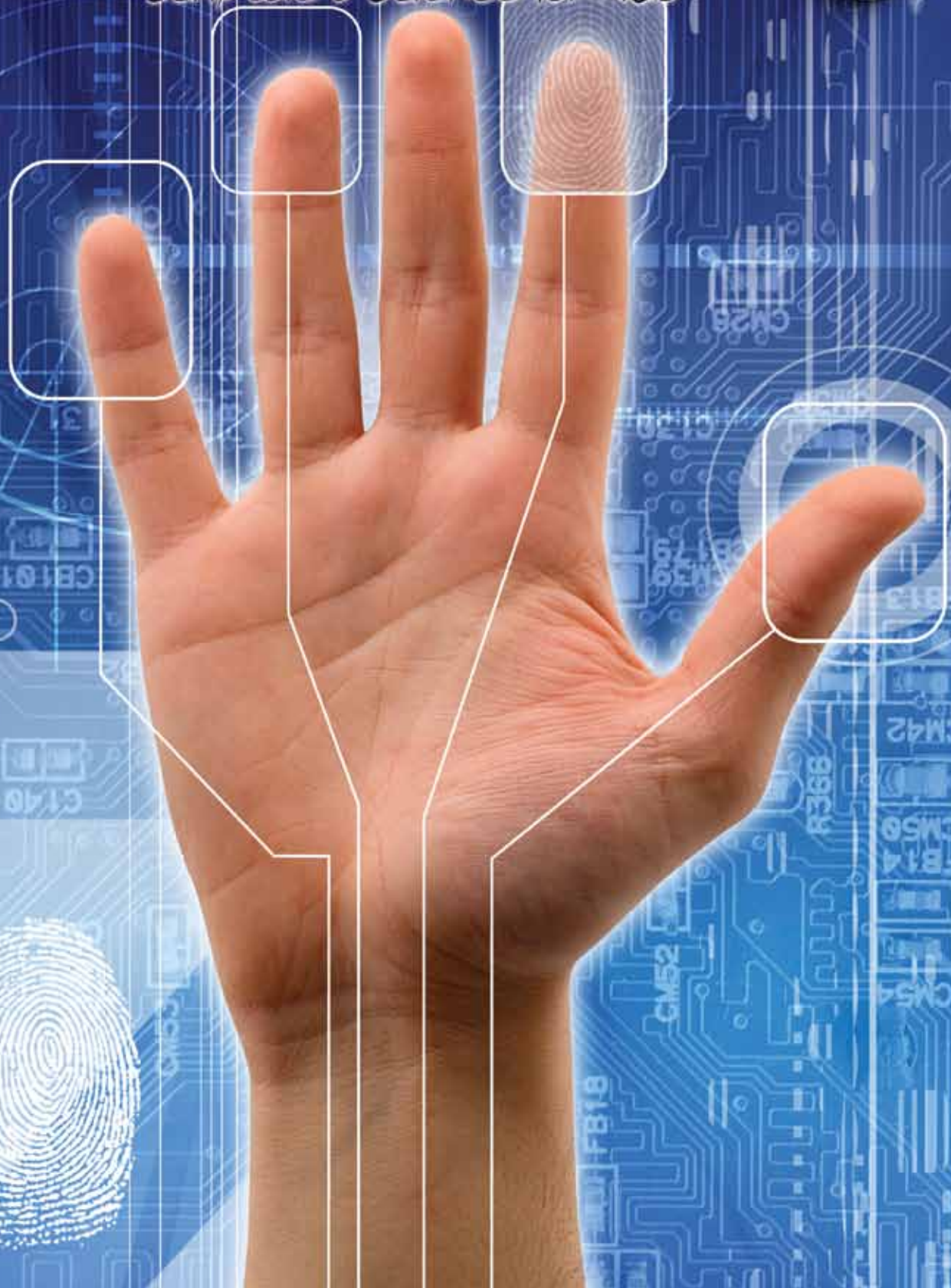


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Scripture & Science for Kids



A FOUR-MILLION-DOLLAR PIECE OF EVIDENCE FOR GOD'S EXISTENCE

KYLE BUTT

A ten-pound, four-million-dollar machine connected to the shoulder of Claudia Mitchell makes her the first “bionic” woman in the world. After losing her left arm, Mitchell received an artificial limb specially designed to work using nerve impulses from Mitchell’s body.

On September 14, 2006, Mitchell unveiled the new arm in a Washington, D.C. news conference. Mitchell’s doctor, Todd Kuiken, has done some amazing things to make this bionic arm a reality. Kuiken and his team were able to move nerves into Mitchell’s chest, disconnect those nerves from actual muscles, and connect them to sensors in the bionic arm, making it so that “six muscles in Mitchell’s chest now move six motors in the bionic arm.”

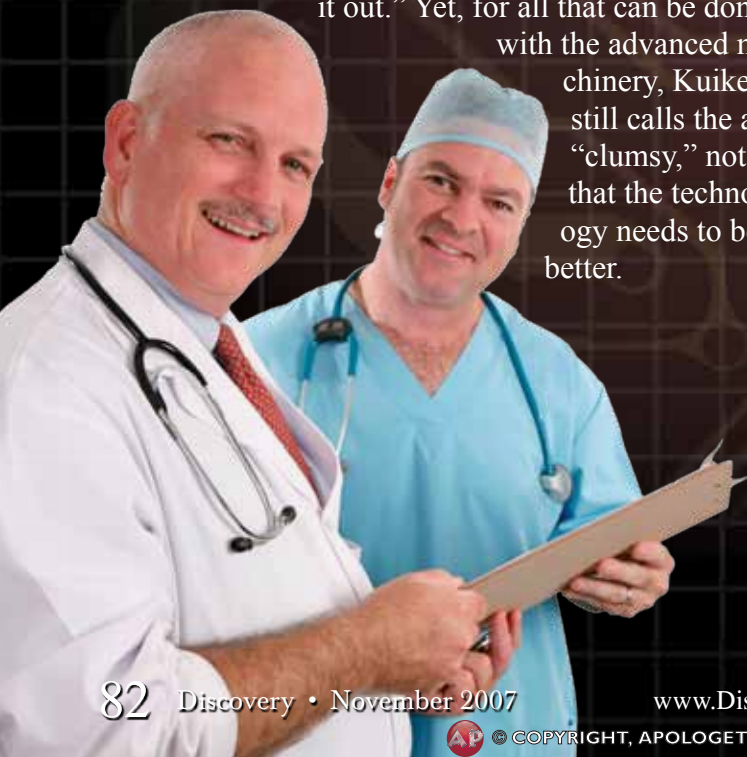
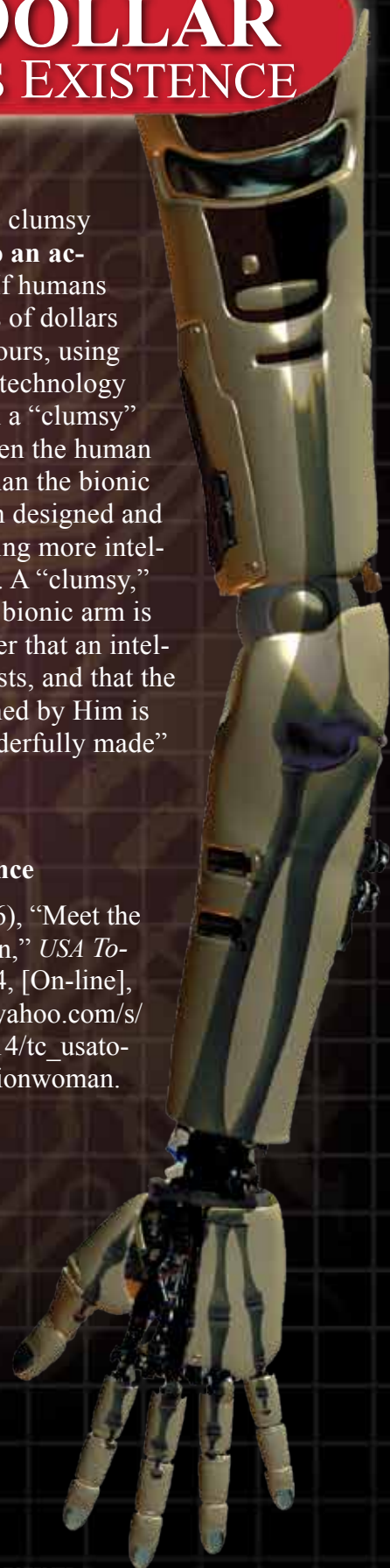
New bionic technology such as that connected to Mitchell is taking artificial limbs to new heights. With Mitchell’s new arm she can perform everyday tasks such as “folding a pair of pants without first stretching them on a flat surface,” and she can “open a spaghetti jar and hold it up at an angle and use a spoon to empty it out.” Yet, for all that can be done

with the advanced machinery, Kuiken still calls the arm “clumsy,” noting that the technology needs to be better.

The bionic arm is clumsy **when compared to an actual human arm.** If humans have spent millions of dollars and thousands of hours, using the most advanced technology available, to design a “clumsy” mechanical arm, then the human arm that is better than the bionic one must have been designed and engineered by a being more intelligent than humans. A “clumsy,” four-million-dollar bionic arm is yet another reminder that an intelligent Designer exists, and that the human body designed by Him is “fearfully and wonderfully made” (Psalm 139:14).

Reference

Davis, Robert (2006), “Meet the \$4 Million Woman,” *USA Today*, September 14, [On-line], URL: http://news.yahoo.com/s/usatoday/20060914/tc_usatoday/meetthe4millionwoman.



A STOMACH THAT CAN'T DIGEST EVOLUTION

KYLE BUTT

It cost the British government about \$1.8 million. British scientists call it the first artificial stomach ever made. Commercial food companies are looking to it for help. Dr. Marin Wickham holds the patent on this amazing contraption. This new machine is about the size of a five-gallon bucket. It is designed to copy human digestion. Its advanced plastics and metals can withstand the corrosive qualities of the acids and enzymes used in digestion. Once food is placed in the receiving funnel, computer software determines how long the food stays in one place. The model attempts to copy real muscle contractions in the stomach that help humans digest their food. The machine is a technological wonder.

One very important point needs to be noted about this artificial stomach: it is complex, expensive, and took hundreds or thousands of hours to design and build. But it still cannot accomplish all the processes of a real human stomach. Yet we are to believe that the human stomach evolved over millions of years by random, chance processes with no intelligent agent responsible for its construction.

Notice how descriptions of the artificial stomach demand the presence of intelligence. The model has computer software that determines when the food moves. Such computer programs can be designed and used only by intelligent beings. This mechanical stomach was created in an attempt to learn more about what actually happens in the stomach.

Brilliant men and women designed a modern marvel which cost almost two million dollars that attempts to mimic human digestion. But the real human stomach it attempts to model is so complex that no machine humans can build will ever help us completely understand the human stomach. The only logical conclusion is that the human stomach must have been designed by an intelligence far superior to that of humans. The designers of the artificial stomach stated: “It’s so realistic that it can even vomit.” It is high time the thinking world “vomited out” the sickening idea of evolution.

Reference

“Scientists Build World’s First Artificial Stomach” (2006), [On-line], URL: <http://www.msnbc.msn.com/id/15655255/wid/11915773?GT1=8717>.



SNIFFING

OUT DESIGN

KYLE BUTT

Thoughts about sinus drainage and mucus are not the most pleasant. Who hasn't been frustrated by the feeling of a raw nose caused by lots of nose-blowing during a cold? Have you ever wondered why mucus in your nose is there anyway? It just so happens that mucus provides a vital tool that enhances your body's ability to smell.

For many years, researchers have tried to design electronic "noses" that can tell the difference between smells. Such noses have a host of potential uses, including being used in airports to identify chemicals used in explosives. Researchers, however, have failed to master the art of smell. The e-noses simply cannot perform to the level of a real nose. Recent research, however, is sniffing out new ways to make the e-nose more useful.

Researchers from the University of Warwick and Leicester University came up with a new idea. They made a substance that copies the properties of nose mucus. This fake mucus "substantially improved the performance of their electronic nose, allowing it to tell the difference between smells such as milk and

banana which had previously been challenging smells for the device." Furthermore, the artificial mucus helped the electronic nose process the information quicker.

Intelligent men and women from campuses across the world spend thousands of hours to design electronic noses. They base much of their research on real noses. But the electronic noses do not work as well as real noses. What does that tell us? It tells us that whoever designed the real nose is much more intelligent than the humans who are building electronic noses. Even people who believe in evolution have to admit that electronic noses have intelligent designers. They should also be able to see that real noses that are much better than electronic noses have an Intelligent Designer as well. In truth, it is simple to sniff out the divine design of the nose.

Reference

"Artificial 'Snot' Enhances Electronic Nose" (2007), [On-line], URL: <http://www.sciencedaily.com/releases/2007/04/070430093948.htm>.



E7 DID NOT EVOLVE

ERIC LYONS

Imagine if scientists could build a robotic bird weighing less than one pound, that could fly non-stop more than 7,000 miles. Without ever stopping to oil its wings, tighten its screws, clean its gears, or recharge its lightweight batteries, this flying machine weighing less than a stapler could fly all the way from New York to Las Vegas and back to New York. What's more, this robo-bird need not be controlled remotely, because it was programmed ahead of time to fly precisely from one place to another. With perfect precision, it lands in the intended spot.

Can you imagine such a flying machine? It would take thousands of hours, millions of dollars, and extremely intelligent scientists to design and build such an amazing robotic bird. To the best of our knowledge, no flying robot has ever accomplished such great feats. There is, however, a real bird that has.

In February 2007, scientists from the U.S. Geological Survey fitted 16 shorebirds, known as bar-tailed godwits, with satellite transmitters. One of the godwits, named E7, made its way from New Zealand to Alaska over the next three months (flying more than 9,000 miles with one layover on the North Korea-China border). After nearly four months in Alaska, the godwit began its uninterrupted flight back

to New Zealand. Amazingly, this little bird, which normally weighs less than one pound, flew **7,145 miles in nine days without stopping, averaging 34.8 miles per hour.** Without taking a break to eat, drink, or rest, the godwit flew the equivalent of making a trip from New York to Las Vegas and back to New York.

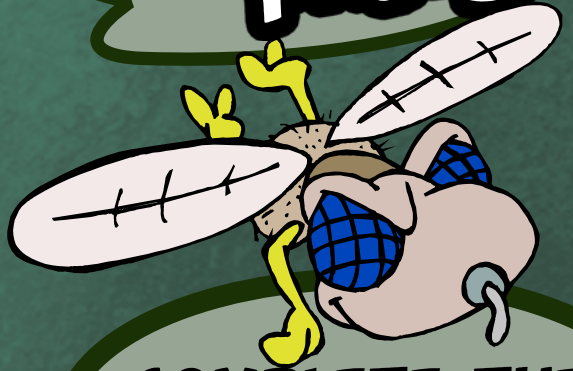
Equally impressive, the godwit's 16,500-mile, roundtrip journey ended where it began. Without a map or a compass, godwits can fly thousands of miles without getting lost.

Scientists have studied the flight of birds for decades and still cannot adequately explain their stamina and sense of direction. How can a person reasonably conclude that non-intelligence, plus time, plus chance equals a one-pound, bar-tailed godwit flying 7,145 miles in nine days without stopping for food, water, or rest?

The fact is, evolution cannot logically explain how a bird "soars, stretching his wings toward the south" (Job 39:26). Rather, "the stork in the sky knows her seasons; and the turtle dove and the swift and the thrush observe the time of their migration" (Jeremiah 8:7, NASB), because the all-knowing, all-powerful God is the Creator of them all.



ACTIVITY PAGES



COMPLETE THE BIBLE VERSES

1. "I WILL PRAISE YOU GOD, FOR I AM FEARFULLY AND _____; MARVELOUS ARE YOUR WORKS, AND THAT MY SOUL KNOWS VERY WELL" (PSALM 139:14).
2. "DOES THE HAWK FLY BY YOUR _____, AND SPREAD ITS WINGS TOWARD THE _____?" (JOB 39:26).
3. "FOR EVERY HOUSE IS _____ BY SOMEONE, BUT HE WHO BUILT ALL THINGS IS _____" (HEBREWS 3:4).
4. "BEFORE THE MOUNTAINS WERE BROUGHT FORTH, OR EVER YOU HAD FORMED THE EARTH AND THE WORLD, EVEN FROM _____ TO _____, YOU ARE GOD" (PSALM 90:2).
5. "LET THEM PRAISE THE NAME OF THE LORD, FOR HE _____ AND THEY WERE _____" (PSALM 148:5).

Dear Digger Doug,

How did God come about? I believe in God, but it just puzzles me.

—Jaron, Wichita, Kansas

Dear Jaron,

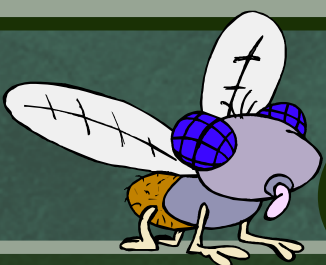
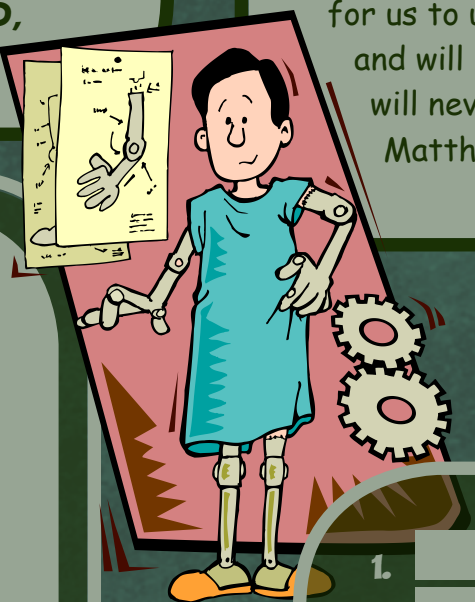
Thanks for sending this good question. Actually, God never "came about," because He always was there. He never had a beginning, and He will never have an end. Think about a couple of verses from the Bible: "Before the mountains were brought forth, or ever You had formed the earth and the world, even from everlasting to everlasting, You are God" (Psalm 90:2). The prophet Isaiah wrote that God alone "inhabits eternity" (57:15).

God existed before He created the Universe, because He never started to exist. It's difficult for us to understand the eternal nature of God, because everything we know had a beginning and will have an end. Our souls are an exception to this rule; our souls had a beginning, but will never cease to exist. Let's live so that after we die, we can live forever with God (see Matthew 25:46; 2 Corinthians 4:18).



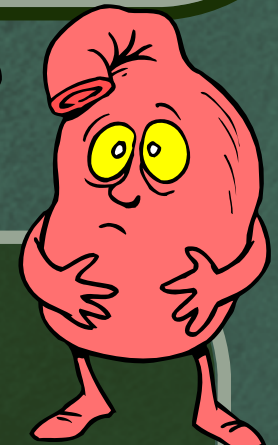
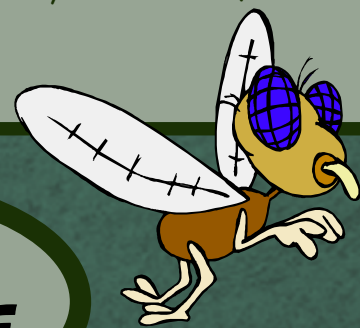
1. The great Designer of the Universe and life. _____
2. An arm that does not function as well as the normal human arm. _____
3. Cost the British government 1.8 million dollars to build. _____
4. An electronic sniffer. _____
5. A team of scientists at Harvard spent seven years designing and making this little gadget, which still pales in comparison to its living counterpart. _____
6. Bird that flew 7,145 miles without stopping. _____
7. A word that describes how God has always existed and always will exist. _____
8. Design demands a _____.

F A C F U L P J R X H K X M
 G R M C K J P D O H D K T R
 M T P G D O Y C F A Q U D A
 O I E D C E P Z T M E T L C
 T F M P R N Y Q A Q Z T U I
 I I R K Z J S W U Q A Z E N
 W C X G R G C D R A H P T O
 D I R O B O T I C F L Y E I
 O A D D D C E U E M L I R B
 G L M O E S B F S G A F N T
 T S G J M S X K O G H T A A
 L T H G C F I C N B N Y L U
 Y O W H R R W G E D N X W Q
 F M R P I P M H N M Y C O L
 R A X Z W U E C G E F S F A
 X C O I Q W F H X Q R N C C
 H H S L E C Z I M U M A W E



TRUE OR FALSE

1. BIONIC ARMS ARE BETTER THAN NORMAL HUMAN ARMS.
2. THE BIONIC ARM WAS NOT DESIGNED.
3. THE HUMAN ARM WAS NOT DESIGNED.
4. EVEN THOUGH THE ARTIFICIAL STOMACH IS COMPLEX, EXPENSIVE, AND TOOK HUNDREDS OF HOURS TO DESIGN AND BUILD, IT STILL CANNOT ACCOMPLISH ALL THE PROCESSES OF A REAL HUMAN STOMACH.
5. RESEARCHERS HAVE FAILED TO MASTER THE ART OF SMELL.
6. THE DESIGNER OF THE REAL NOSE IS MUCH MORE INTELLIGENT THAN THE HUMANS WHO ARE BUILDING ELECTRONIC NOSES.
7. THE ROBOTIC FLY IS MUCH MORE REMARKABLE THAN THE REAL FLY.
8. THE BIRD KNOWN AS E7 TESTIFIES TO GOD'S WONDROUS CREATION.
9. GOD IS ETERNAL.
10. IT HAS TAKEN CLEVER, HARDWORKING SCIENTISTS MORE THAN SEVEN YEARS JUST TO MAKE A ROBOTIC FLY LIFT OFF THE GROUND.



SOLVE, FIND, AND CIRCLE





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ADDRESS SERVICE REQUESTED

WHO MAKES THE WORLD'S BEST FLIERS?

ERIC LYONS

For more than seven years, a team of scientists from Harvard University has been studying flies, attempting to build a life-size, flying robot that can mimic the flight of living flies. The government is hopeful that robotic flies might one day be used as spies in secret missions, as well as to detect toxic chemicals used by terrorists. On July 19, 2007, it was announced that the “robotic fly has taken flight.” One scientist called this robotic flying insect “a major breakthrough.”

What do brilliant scientists have to show for their seven years of research on flies? What was the “major breakthrough”? Why are scientists so excited? Because the life-size robotic fly **took off**. It cannot maneuver in the air. It cannot be controlled. It cannot avoid obstacles. It cannot slow down and land on a specific target. It does not have its own power source (and even if it did, it could provide no more than five minutes of power to fly). The robotic fly “is limited by a tether that keeps it moving in a straight, upward direction.” Yet, since “a lot of people thought it would never be able to take off,” such a feat is considered remarkable.

Admittedly, scientists have done a splendid job building a life-size robotic fly that can move upward on something like a string by flapping its man-made wings. It takes extremely intelligent individuals to make a tiny robot that resembles and mimics (to some degree) living flies. Yet,

some of these same scientists believe that real flies, which have “long puzzled scientists and bedazzled engineers” with their “magical,” “intricate maneuvers,” are the end result of mindless time and chance (evolution). Such a thought does not make sense!

Were researchers to leave hundreds of tiny parts lying around in a lab for 100 years (or one billion years!), no reasonable person would conclude that, eventually, time and chance would assemble a robotic fly, much less one that moves as well as a real fly. It has taken clever, hardworking scientists more than seven years just to make a robotic fly lift off the ground.

Who made the often imitated, but never duplicated, living fly that far surpasses the abilities of any robotic fly? Who designed the fly’s sesame-seed-size brain and its complicated flight dynamics that scientists have been unable to figure out fully even after several years of study? God, not nature, makes the world’s best fliers. Jehovah is the builder and maker of all things (Hebrews 3:4).



ANSWERS

FALSE: 1. F; 2. F; 3. F; 4. T; 5. T; 6. T; 7. F; 8. T; 9. T; 10. T.
 SOLVE, FIND, AND CIRCLE: 1. God; 2. bionic arm; 3. artificial stomach; 4. e-nose; 5. robotic fly; 6. godwit; 7. eternal; 8. designer. TRUE OR
 COMPLETE THE BIBLE VERSES: 1. wonderfully, made; 2. wisdom, south; 3. built, God; 4. everlasting, everlasting, created.
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