

“RUPERT SHELDRAKE: Science Set Free, Part 1”



Part 1 of a talk by Rupert Sheldrake at the conference ELECTRIC UNIVERSE 2013: The Tipping Point, in Albuquerque, New Mexico.

SEE PART 2: <http://www.youtube.com/watch?v=VRKvvx...>

Many scientists like to think that science already understands the ways of the natural world. The fundamental questions are answered, leaving only the details to be filled in. The impressive achievements of science seemed to support this confident attitude. But recent research has revealed unexpected problems at the heart of physics, cosmology,

biology, medicine and psychology. Dr. Shel Drake is a biologist and author of more than 80 scientific papers and 10 books, including *Science Set Free* (September 2012).

For more information on Dr. Shel Drake SEE:

<http://www.shel Drake.org>

link submitted by Robert Petrovich

“What Moves?”



Bright light. PHOTO: Arsgera (1070)

“When you’re in a boat, you see waves of water lap against the hull. If you could tie a flag to a molecule of water, you could see that molecule move up and down. When you’re at a concert, you hear waves of sound press against your ear. If you could tie a flag to a molecule of air, you could see that molecule move back and forth.

“When you tune your radio to your favorite station, you set its sensory organ—the antenna and tuning circuit—to respond to waves of electromagnetic potential energy. If you could tie a flag to ... um, what exactly could you tie a flag to?

“The water or air molecule moves. You can measure its spatial displacement as it varies with time, and you can plot those measurements on a graph with displacement along one axis and time along the other. The result is a sinusoidal curve that resembles the form of the water’s surface which we call a wave.

“Hence we speak of water waves, usually without distinguishing the “real” surface feature from the metaphorical mathematical form. And we speak of sound waves, usually without being aware that the term is, in this instance, entirely metaphorical. We have developed mathematical manipulations that enable us, on the basis of metaphorical resemblances, to predict and to utilize various attributes of periodically moving water and air molecules. The wave theory of water and the wave theory of sound have been wondrously productive cognitive tools.

“So, too, we speak of electromagnetic waves. And we have developed mathematical manipulations that have been wondrously productive. We measure voltages or currents; we graph their variation with time; and the graphs have the form of a wave. But what moves? . . .”

[Read the entire article posted on March 26, 2018 at thunderbolts.com.](#)

[Watch the video based on the article posted on May 7, 2018 at YouTube.com.](#)

link submitted by Robert Petrovich

“Ancient Egyptian Music: Hymn to the Sun”



“Let our imaginations take us to the ancient times of Ancient Egypt; to the green and fertile borders of the Nile ; to the golden deserts and all the mysteries of this spiritual civilization. We hear now a priestess singing her devotional chant to Ra in the first rays of the day. This music is part of the soundtrack of the Brazilian TV series El Clon. It was composed and performed by Marcus Viana who also played all the violins, violas , cellos and keyboards. You can find it on the album Maktub at the site www.sonhosesons.com.br.”

[Listen to this song posted online by Marcus Viana on YouTube \(3:35\)](#)

link submitted by Frieda Nelson

“The Mystery of Jesus’s Brother Gets Even Weirder”



Jesus and James. Unknown painter. Possibly 14th century.

“Whether Jesus had any siblings is an old debate within Christianity. A number of passages in the New Testament have been stoking this speculation for almost two thousand years. The Gospel of Mark mentions Jesus having brothers and sisters, while the Gospel of Matthew talks about his “brothers” James, Joseph, Simon and Judas. Are these references more figurative than literal, meaning these are just spiritual brothers? An incredible recent find of an ancient text just put James back in the spotlight of this controversial mystery. ”

[Read the entire article posted online December 25, 2017 by Paul Ratner at bigthink.com.](#)

link submitted by Robert Petrovich

New Views on the Shroud of Turin

[“Unwrapping the Shroud: New Evidence”](#)



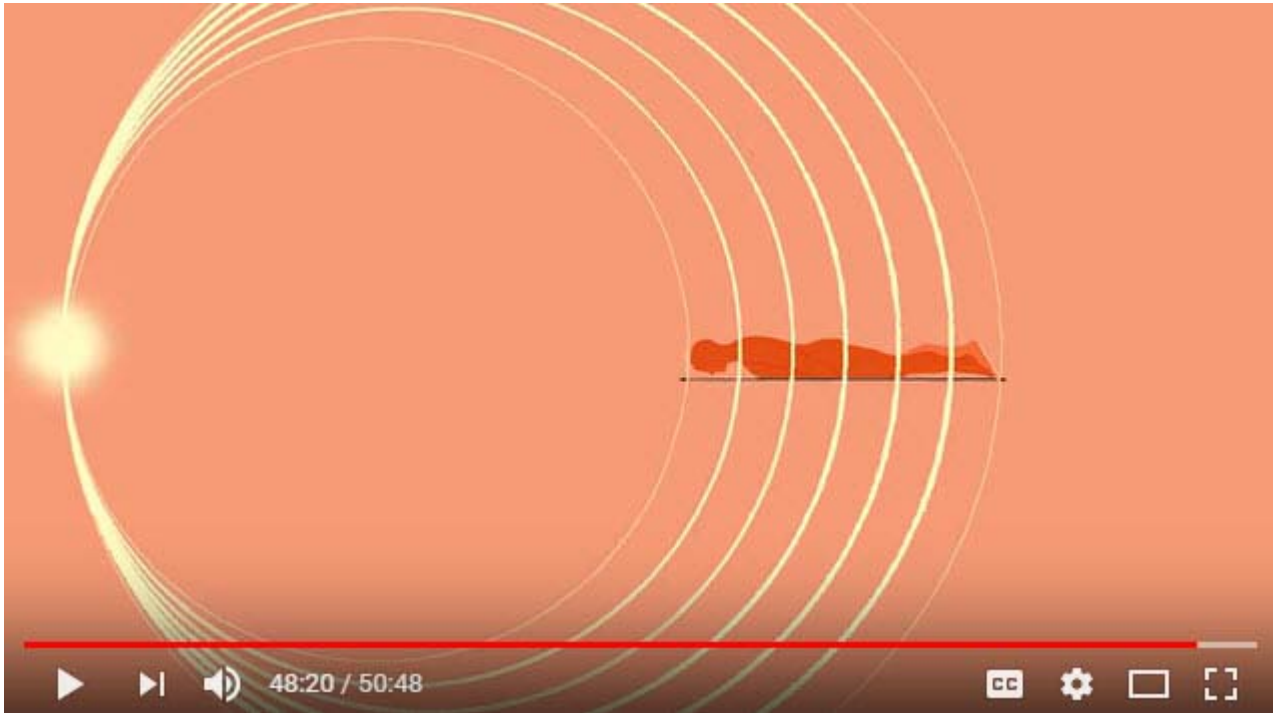
[New evidence on the Shroud of Turin from April 2013.](#)

[“The Shroud of Turin Conference 2017 – Role of Radiation in Image Formation”](#)



[Streamed live on Jul 22, 2017](#)

["The new astonishing phenomenon detected on the Shroud"](#)



[Published on Mar 11, 2018](#)

“Photogrammetric restitution on the Shroud of Turin has revealed a previously unknown phenomenon that opens up new horizons for science. The strength of this discovery is stressed by the fact that the geometrical data used for restitution can be verified with tools that are accessible to everyone. The discovery was made by the INTERNATIONAL INSTITUTE FOR ADVANCED STUDIES OF SPACE REPRESENTATION SCIENCES

www.istitutorappresentazionespazio.it”

– links submitted by Frieda Nelson

“Ancient DNA and the new science of the human past”



Dr. David Reich

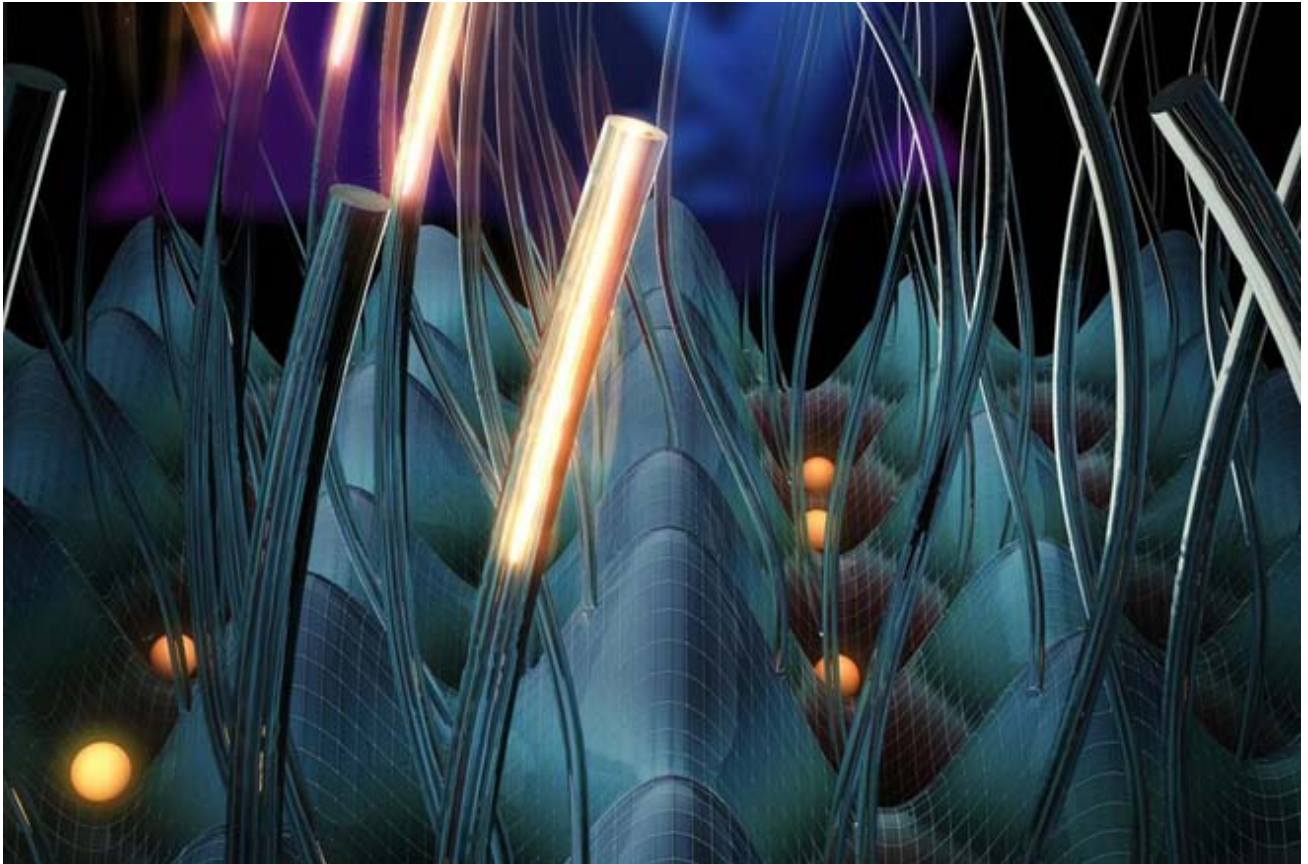
“Beginning in 2010, it became practical to sequence whole genomes from DNA extracted from ancient human bones, and to analyze the data to understand changes in biology over time. Since that time, the amount of ancient DNA data has increased at an extraordinary rate, with the number of samples with at least one-fold genome coverage being five in 2013, eighteen in 2014, and 116 in 2015. Dr. Reich will begin his lecture by describing how present-day Europeans derive from a fusion of highly divergent ancestral populations as different from each other as are Europeans and East Asians. He will then summarize the history of modern humans in Europe over the approximately

45,000 years since they first arrived. He will next describe the spread of farming populations from the Near East over the last 12,000 years. He will finally conclude by describing how the analysis of ancient DNA has led to some of the insights about human biological change over time.”

< [Watch the entire lecture of Dr. David Reich posted September 21, 2016 by the National Institutes of Health on YouTube \(1:05:45\)](#) >

link submitted by Frieda Nelson

**“Hints of the 4th dimension
have been detected by
physicists”**



Two different experiments show hints of a 4th spatial dimension. PHOTO: Zilberberg Group / ETH Zürich

“Physicists have understood at least theoretically, that there may be higher dimensions, besides our normal three. The first clue came in 1905 when Einstein developed his theory of special relativity. Of course, by dimensions we’re talking about length, width, and height. Generally speaking, when we talk about a fourth dimension, it’s considered space-time. But here, physicists mean a spatial dimension beyond the normal three, not a parallel universe, as such dimensions are mistaken for in popular sci-fi shows.

“Even if there are other dimensions somewhere out there in our universe or in others, should we travel to a place which includes them, scientists aren’t so sure we could even experience them. Our brains may be incapable. Mathematically, we can describe the 4th dimension. . . .

“We ourselves as 3D objects cast a 2D shadow. A 4D object should then cast a 3D shadow. We can learn something about a 3D object by studying its shadow. So it stands to reason that we could also gain knowledge about a 4D object from its 3D shadow. Both teams in these experiments did something of that kind. They used lasers to catch a glimpse of the 4th dimension. . . .”

[Read the entire article posted online January 14, 2018 by Philip Perry at bigthink.com.](#)

link submitted by Robert Petrovich

“The Ancient Peruvian Mystery Solved from Space”



Aerial photo showing the ventilation holes of the Cantalloc Aqueduct in Nazca, Peru, some 435 kms south of Lima on December 12, 2014. These aqueducts are among the most original hydraulic engineering projects dating from Peruvian history's pre-Hispanic period.

PHOTO: MARTIN BERNETTI/AFP/Getty Images

Puzzling holes in the arid valleys of southern Peru tell us there was once a flourishing, sophisticated society here.

“In one of the most arid regions in the world a series of carefully constructed, spiralling holes form lines across the landscape. Known as puquios, their origin has been a puzzle – one that could only be solved from space.

“The holes are from the Nasca region of Peru – an area famous for the Nasca lines, several enormous geometric images carved into the landscape; immaculate archaeological evidence of ceremonial burials; and the rapid decline of this once flourishing society.

“What adds to the intrigue in the native ancient people of Nasca is how they were able to survive in an area where droughts can last for years at a time.

“The puquios were a ‘sophisticated hydraulic system constructed to retrieve water from underground aquifers,’ says Rosa Lasaponara of the Institute of Methodologies for Environmental Analysis, in Italy. And they transformed this inhospitable region.”

[Read the entire article online at **bbc.com**.](#)

link submitted by Gene Savoy Jr.

**“Optics in a Non-linear
World: When UV Light Changed
Earth”**

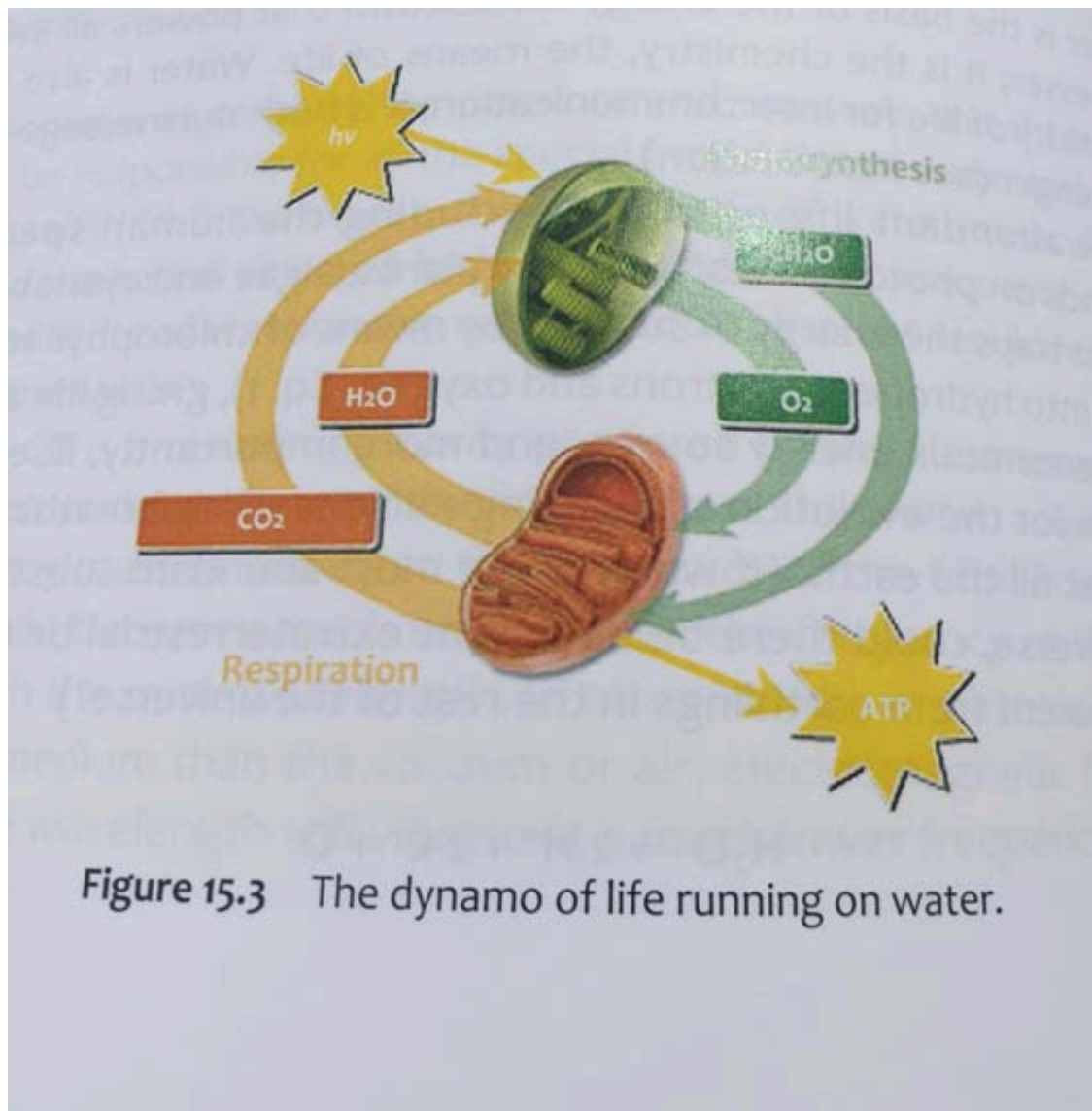


Figure 15.3 The dynamo of life running on water.

“Most modern technology works electronically by making electrons do the things we want them to do on semiconductors. All electronic semiconductor circuits work on the basic idea that any given electrons can influence the control of other electrons and holes adjacent to those electrons. This implies that we can use one current to control another in a specific way we want to engineer. That is what a transistor gave mankind in the technology revolution.

“What happened 600 million years ago was biology’s Big bang and lead to a technology revolution by changing a bacteria into a mitochondria that could reverse the photosynthetic process. What was the stimulus to this change? I believe

incident light was the stimulus that lead to this change. I think this new release of UV light from the sun was slowed down by parts of the cell that led to structural change of things with mass inside the cytoplasm. Our class star is expected to undergo this frequency change in midlife. 600 million years ago the sun was in this mid life time span. UV light spiked and made the surface skin of the planet more transparent to sunlight. This had a massive impact on the planet's life forms. At the time solar power was raised some other things occurred on the surface of Earth. More UV light penetration meant more oxygen would be liberated in the atmosphere from ozone and in the seas photosynthesis was super charged to make both DHA and oxygen at the same time in the seas."

[Read the full article posted online MAY 3, 2017 by Jack Kruse at jackkruse.com.](#)

link submitted by Roger Davis

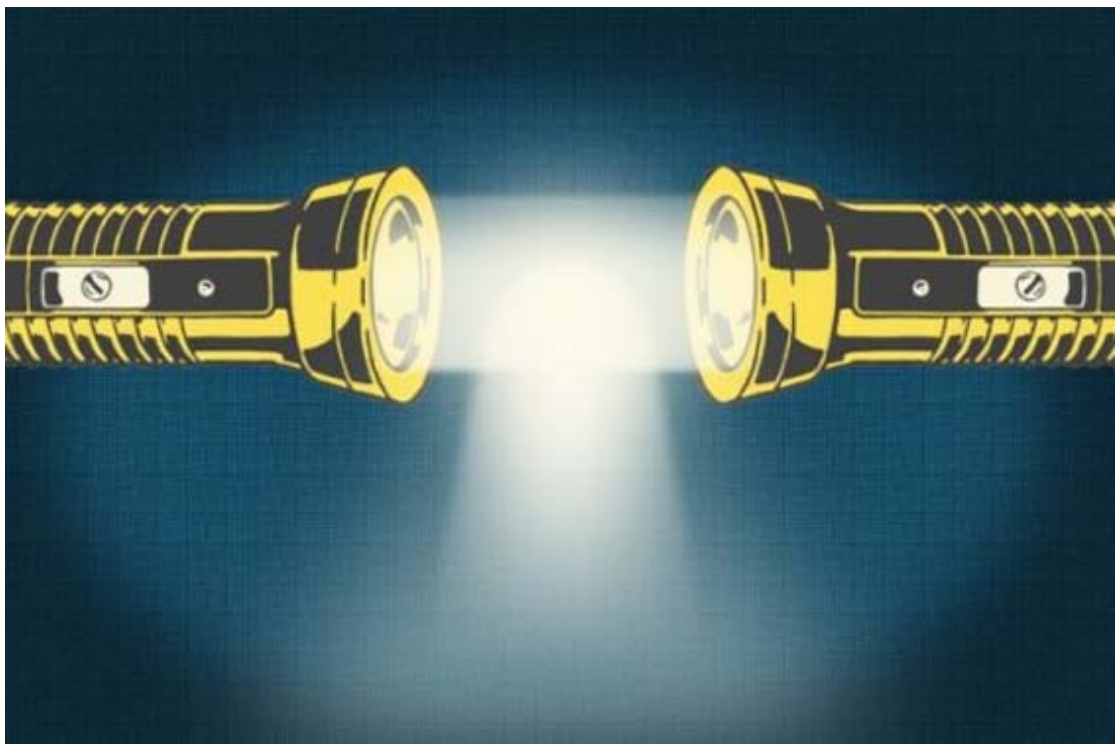
"Physicists create new form of light"

Newly observed optical state could enable quantum computing with photons

Date: February 15, 2018

Source: Massachusetts Institute of Technology

Summary: Physicists have created a new form of light that could enable quantum computing with photons



Scientists at MIT, Harvard University, and elsewhere have now demonstrated that photons can be made to interact – an accomplishment that could open a path toward using photons in quantum computing, if not in light sabers.

PHOTO: Christine Daniloff/MIT

“Try a quick experiment: Take two flashlights into a dark room and shine them so that their light beams cross. Notice anything peculiar? The rather anticlimactic answer is, probably not. That’s because the individual photons that make

up light do not interact. Instead, they simply pass each other by, like indifferent spirits in the night.

“But what if light particles could be made to interact, attracting and repelling each other like atoms in ordinary matter? One tantalizing, albeit sci-fi possibility: light sabers – beams of light that can pull and push on each other, making for dazzling, epic confrontations. Or, in a more likely scenario, two beams of light could meet and merge into one single, luminous stream.

“It may seem like such optical behavior would require bending the rules of physics, but in fact, scientists at MIT, Harvard University, and elsewhere have now demonstrated that photons can indeed be made to interact – an accomplishment that could open a path toward using photons in quantum computing, if not in light sabers.”

[Read the entire article online at sciencedaily.com.](http://www.sciencedaily.com)

link submitted by Frieda Nelson