

Best of Last Week – Gravitational wave rumors, Internet cutting cord with US gov and recovering memory from low fat diet

January 18 2016, by Bob Yirka

A nanophotonic incandescent light bulb demonstrates the ability to tailor light radiated by a hot object. Credit: MIT

(ScienceX)—It was a very good week for physics [as gravitational wave rumors rippled through the science world](#)—all based on a Tweet from

cosmologist Lawrence Krauss of Arizona State University. He made mention in a positive way, of a previous rumor regarding work being done by a team with the Advanced Laser Interferometer Gravitational Wave Observatory. Also, researchers with Purdue University and MIT announced that they had come up with a way to show [how photonics could reshape the spectrum of light, and rehabilitate Edison's light bulb along the way](#). And another trio of researchers in China demonstrated how [a one-way light beam could be steered in different directions](#).

In space news, a team working in the U.S. described [a new theory of secondary inflation that expands options for avoiding an excess of dark matter](#). A team studying data from the Atacama Large Millimeter/submillimeter Array reported that they had found evidence of [extreme turbulence roiling the 'most luminous galaxy' in the universe](#)—perhaps enough to cause it to jettison gases that would otherwise lead to star formation. And an international team of space scientists announced that they had [found water ice on the surface of comet 67P](#)—the first time it has been documented on a comet.

In other news, the head of the Internet Corporation for Assigned Names and Numbers announced that the [Internet is set to cut the cord with the U.S. government this year](#)—hopefully ensuring an independent web for the future. A team of researchers working at Washington University reported that they had found evidence that [poverty can be linked to childhood depression and changes in brain connectivity](#). And demographers with Texas A&M University reported that [more people in Europe are dying than are being born](#), signaling changing times ahead for that part of the world.

And finally, if you are one of the people who has experienced memory problems after living on a high-fat diet for a stretch of time, you may not have to worry about it coming back—a team at UT Dallas found that [loss of memory after a high-fat diet is recoverable](#) over a long period of time,

at least in rats.

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