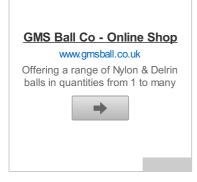


Teaming up with Teller of Denne and Teller, researchers at the Perrow Neurological Institute

examined the magician's "cup and balls" routine, a trick that dates back thousands of years. The routine involves balls appearing and disappearing under the cover of cups. Their ultimate goal, of course, was to find out what exactly distracts a person while the illusion is being performed.

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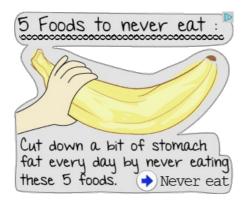
The researchers used seven volunteers and tracked their eye movements as they watched a tape of Teller performing his illusion. They were then given a remote and told to press one button every time the ball was removed from the cup and another button when the ball was replaced. In all, the viewers watched the magician perform the trick in 48 different ways--sometimes the cups would be clear instead of solid and other times the ball would be dropped or stuck to the cup, or not in the cup at all.

After the experiments were performed, the researchers examined the results. They found that the common belief held by magicians that facial cues

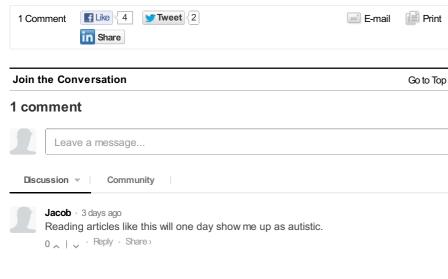
direct attention was wrong. Covering the face of the magician, for example, had no effect on where participants thought the ball actually was. And eye movements didn't accurately track what people were actually paying attention to, either.

So what does this mean for scientists? It allows them to learn how people pay attention to others and objects by means of eye-gazing, pointing or other verbal and non-verbal signals. In fact, it could allow neuroscientists to better understand people with conditions such as autism that have problems with maintaining this kind of attention.

The study was published in the inaugural issue of the journal PeerJ.



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Asteroid Mining Company Will Help to Detect and Deflect Them



Cure for Type 1 Diabetes With Gene Therapy Demonstrated

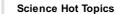


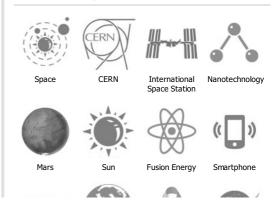
Tracking and Surveillance System-Demonstrator satell win from low earth orbit in this artist's rendering.

Missile Defense Test Sets Milestone With First Space-Based Tracking Intercept



The Experiment That Uses Lasers to Play With Fat Antimatter

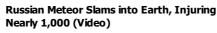




#### Space News

#### **Mystery** Behind Saturn's Moonlets and **Rings Finally** Revealed

The mystery behind Saturn's moonlets has finally been unlocked, according to scientists.

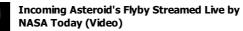


Ameteorite struck Russia early Friday morning, injuring about 1.000 people.



SpaceX will Resupply ISS for NASA with Dragon Capsule: Win a Front Row Seat

SpaceX is set to launch its Dragon capsule to resupply the International Space Station. Now, you can win a front row seat to the launch, as well,



NASAwill provide live imagery of the asteroid as it zooms by Earth. Find out how to watch it online!



Nascent asteroid mining company Planetary Resources, Inc. (PRI) announced, on the eve of 2012 DA14's close pass of Earth, that it will provide the capability to aid the deflection of potentially hazardous objec...



#### Asteroid to Come Within Record Distance From Earth Friday

The asteroid 2012 DA14 is set to pass Earth Friday at a recording-breaking distance of roughly 17 miles lower than most communication and television satellites.

#### Health & Medicine News



#### **FDA Approves Device** that **Offers Vision** to Blind

The blind may be able to see again with a device approved by the FDA



#### in U.S. Prefer Condoms as Birth Control Method When choosing a birth control method, condoms still

**Birth: 99 Percent of Sexually Active Women** 

take the cake for number one usage in America according to reports.



**Neutering Makes Dogs Vulnerable to Cancer** and Joint Disease According to a latest study by researchers at the

University of Davis, the age at which the dog is neutered is important, as it may increase the risk of developing cancers and joint disease



#### Broken Heart Syndrome: Stress **Cardiomyopathy Can Cause Death**

On Valentine's Day, the last thing you want to be doing is suffering from the loss of a loved one or a recent

break up



#### Counterfeit Avastin: FDA Warns Of New **Batch Of Fake Cancer Drug**

The Food and Drug Administration is warning doctors about another counterfeit version of the cancer drug Avastin distributed in the U.S., the third case involving the best-selling Roche drug in the past year.



#### V-Day: Kegel Exercises Help Create More Valentine's Day Friction (VIDEO)

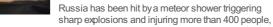
If you're hoping to get some action going in the bedroom this Valentine's Day with your partner, don't worry about a low libido.

**Environment News** 

Fifth of

World's

Meteor Shower Causes Havoc, Injures Hundreds of People

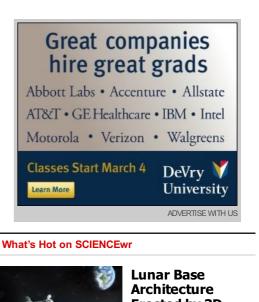


Russia has been hit by a meteor shower triggering



**Neutering Makes Dogs Vulnerable to Cancer** 

and Joint Disease According to a latest study by researchers at the

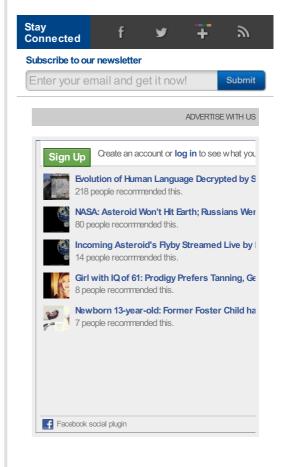




## **Erected by 3D** Printing

The idea to use a 3D printer for building lunar base structures from local materials is not just

hypothetical anymore, but is now in the process of be



University of Davis, the age at which the dog is neutered is important, as it may increase the risk of developing cancers

More

More

More

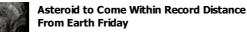
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Observatory

#### Reptiles Face Extinction: Lizards Say Farewell

Almost a fifth of the world's reptiles are at risk of extinction, according to new research.





The asteroid 2012 DA14 is set to pass Earth Friday at a recording-breaking distance of roughly 17 miles –

lower than most communication and television satellites.



#### Anxiety Drug in Waterways May Drastically Affect Fish Behavior



An anti-anxiety medication has been found in local waterways and is altering fish behavior, according to a



Climate Change Creates Massive Financial Risks for Government: GAO

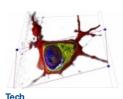


**Risks for Government: GAO** Climate change may create massive financial risks for the federal government, according to a new report.

#### Inside SCIENCE World Report



Space Launch of Landsat 8 Successful (Picture)



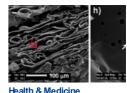
Holographic Nanoscale Microscopy Allows Watching Living Cells in 3D



Poll Finds 71 Percent of U.S. See Humans on Mars by 2033



Evolution of Human Language Decrypted by Supercomputer



Accelerated Broken Bone Healing With New Implant



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