

PearTickle

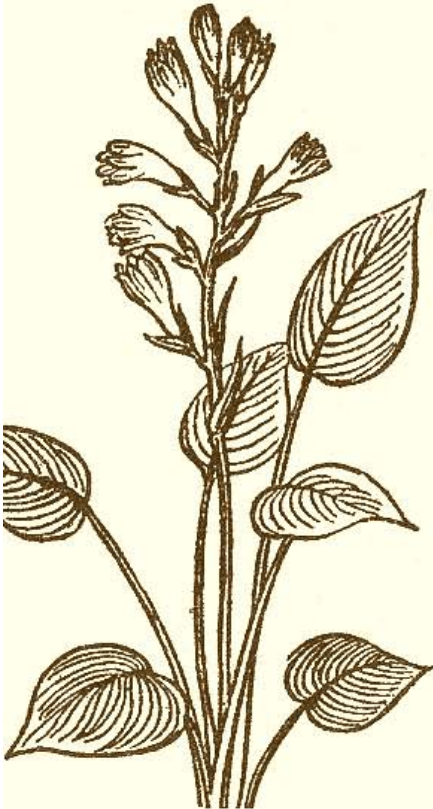
HOME
ARCHIVE
ASK ME



oceansoftheworld:

(Photo by JennyHuang)

This is a **juvenile emperor angelfish** (*Pomacanthus imperator*). The emperor angelfish is a species of marine angelfish. It is a reef-associated fish, native to the Indian and Pacific Oceans. Juveniles are dark blue with electric blue and white rings; adults have yellow and blue stripes, with black around the eyes. The two look completely different and would appear to be a different species to one that does not know about the species. It takes about 24 to 30 months for an emperor angelfish to acquire its adult colouring. They grow to 40 cm (15.75 in) in length. (Source)



Reblog this Post
4 days ago

Rantings of a Crazy Person at five am: Tertiary Education.

raidaakr:

Being a post/almost post A level student is hard, mainly because this means you have to look for Universities. Most people around you will seem to have it all composed and in control, and that will just freak you out more. If you're one of those people who need some advice going down this path,...

Reblog this Post
6 days ago



quantumaniac:

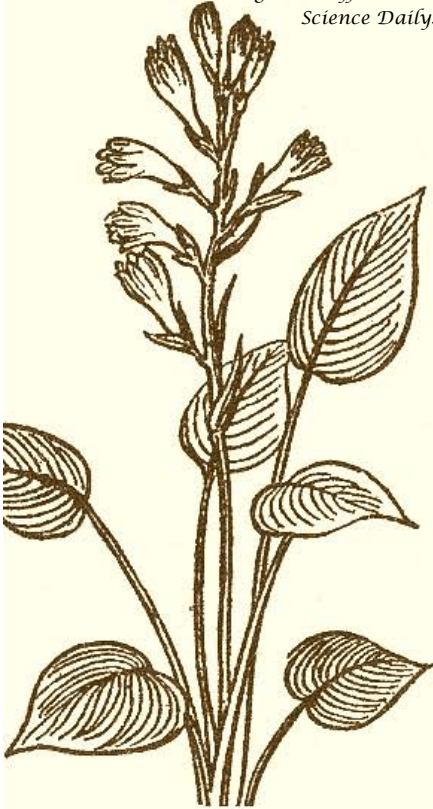
Why do Fingernails on a Chalkboard Sound so Terrible?

"The latest study, conducted by musicologists Michael Oehler of the Macromedia University for Media and Communication in Cologne, Germany, and Christoph Reuter of the University of Vienna, looked



This blog was created the day I got bored of Engineering. It's dedicated to all things I stumble upon and to those that still keep my love for science alive. Contains all sorts of science news and stories. If you have any interesting story you can always submit and you will be credited! Note: This blog is not affiliated to the website Science Daily.

© T H E M E



at other sounds that generate a similar reaction — including chalk on slate, styrofoam squeaks, a plate being scraped by a fork, and the ol' fingernails on blackboard.

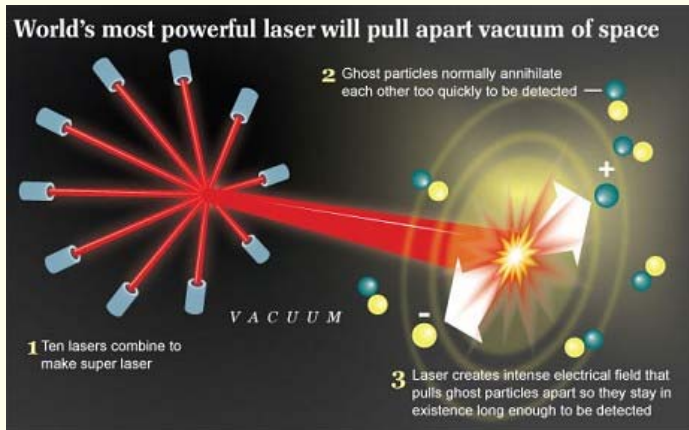
Some participants were told the genuine source of the sound, and others were told that the sounds were part of a contemporary music composition. Researchers asked the participants to rank which were the worst, and also monitored physical indicators of distress — heart rate, blood pressure and the electrical conductivity of skin.

They found that disturbing sounds do cause a measurable physical reaction, with skin conductivity changing significantly, and that the frequencies involved with unpleasant sounds also lie firmly within the range of human speech — between 2,000 and 4,000 Hz.

Removing those frequencies from the sound made them much easier to listen to. But, interestingly, removing the noisy, scraping part of the sound made little difference.

A powerful psychological component was identified. If the listeners knew that the sound was fingernails on the chalkboard, they rated it as more unpleasant than if they were told it was from a musical composition. Even when they thought it was from music, however, their skin conductivity still changed consistently, suggesting that the physical part of the response remained. That physical response is likely generated by the shape of the human ear canal, which prior research has shown to amplify frequencies in the range of 2,000 to 4,000 Hz. What seems to happen, the researchers reckon, is that when a screech on a chalkboard is generated, the sound is amplified within our ears to painful effect."

Reblog this Post
1 week ago



8bitfuture:

New laser will tear the fabric of space.

Plans are underway in Europe to build a new laser which would be the most powerful in the world. The laser will be 200 times more powerful than the current top lasers, and would be equivalent to the power received by the Earth from the sun focused onto a speck smaller than a tip of a pin.

Contrary to popular belief, a vacuum is not devoid of material but in fact fizzles with tiny mysterious particles that pop in and out of existence, but at speeds so fast that no one has been able to prove they exist.

The Extreme Light Infrastructure Ultra-High Field Facility would produce a laser so intense that scientists say it would allow them to reveal these particles for the first time by pulling this vacuum "fabric" apart.

They also believe it could even allow them to prove whether extra-dimensions exist.

The £1 billion project is due to be completed by the end of this decade.

Oh hamburgers.

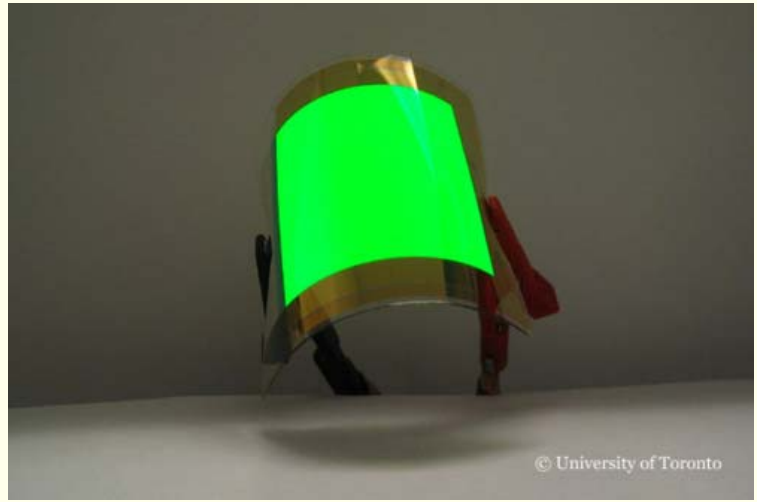
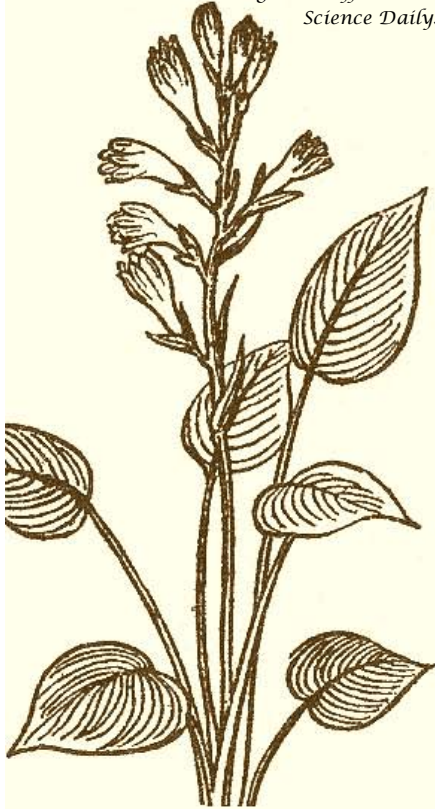
(Source: telegraph.co.uk)

Reblog this Post
1 week ago



This blog was created the day I got bored of Engineering. It's is dedicated to all things I stumble upon and to those that still keep my love for science alive. Contains all sorts of science news and stories. If you have any interesting story you can always submit and you will be credited! Note: This blog is not affiliated to the website Science Daily.

©THEME



laboratoryequipment:
Researchers Develop Most Efficient LEDs

Engineering researchers at the Univ. of Toronto have developed the world's most efficient organic light-emitting diodes (OLEDs) on plastic. This result enables a flexible form factor, not to mention a less costly, alternative to traditional OLED manufacturing, which currently relies on rigid glass.

Read more: <http://www.laboratoryequipment.com/news-Flexible-Organic-Light-Emitting-Diodes-on-Plastic-110211.aspx>

Reblog this Post
1 week ago



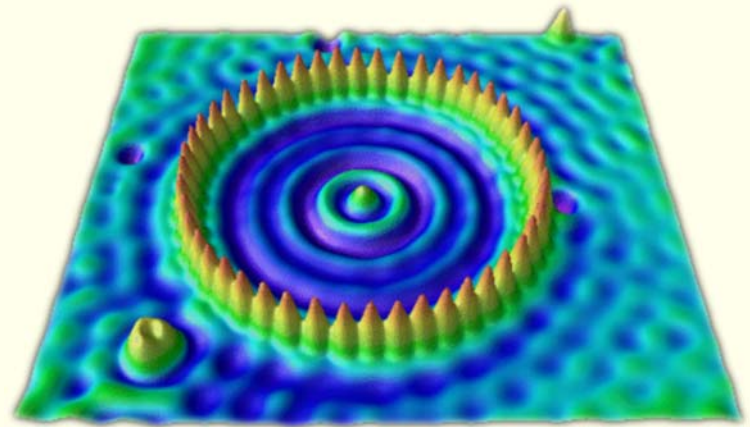
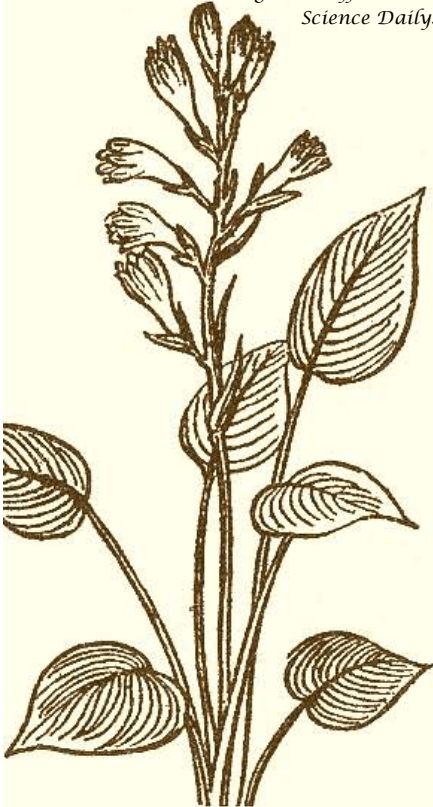
discoverynews:
How Much Does The Internet Weigh?
The answer lies in the mass of a single electron. Watch and be marveled.

Reblog this Post
1 week ago



This blog was created the day I got bored of Engineering. It's is dedicated to all things I stumble upon and to those that still keep my love for science alive. Contains all sorts of science news and stories. If you have any interesting story you can always submit and you will be credited! Note: This blog is not affiliated to the website Science Daily.

©THEME



bloodredorion:

14-billion-years-later:

A Brief History of Wave-Particle Duality

The above image is constructed from data using a **Scanning Tunneling Microscope** gathered from a copper sheet with a ring of iron atoms placed on top. Aside from the fact that we're essentially looking at atoms this image is amazing for another reason. Within the ring we can see something quite strange occurring, there appear to be a series of waves with crests and troughs. These waves are caused by the **electrons** in this system interfering with each other.

Wave-particle duality is a key concept in modern physics but dates back the 17th century when two competing theories about light's behavior were proposed. One proposed by a fellow named **Huygens** stated that light behaved solely as a wave, while **Newton** claimed it was in fact a particle. It wasn't until **Einstein** and **Planck** came along that we got the "Why not have both?" Old El Paso concept. As such our modern understanding of **quantum mechanics** began to take shape.

An interesting repercussion of this realization was that it meant that all masses in motion have a wave component to their movement. This is given by the equation $\lambda = h/mv$. This means that even things such as planets have a tiny wave like component of their motion just like electrons or photons but that it is inversely related to **momentum** (mv).

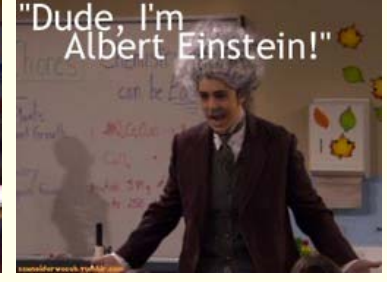
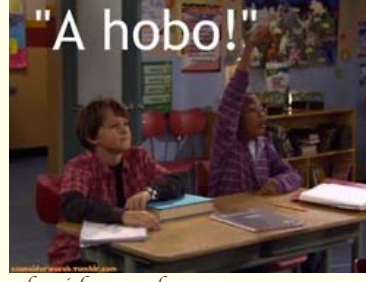
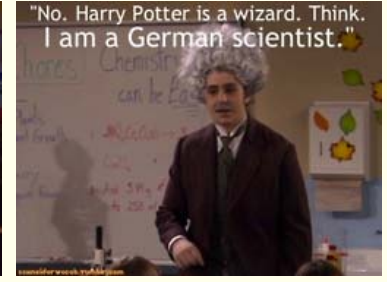
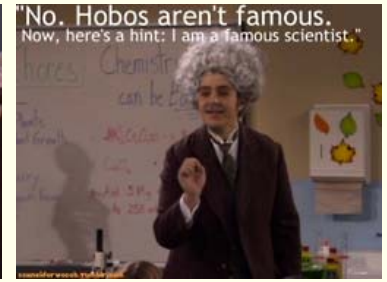
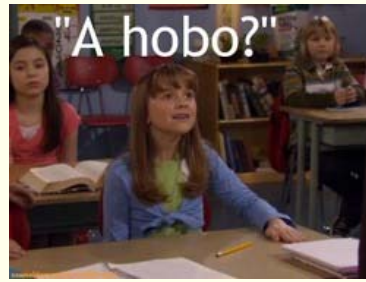
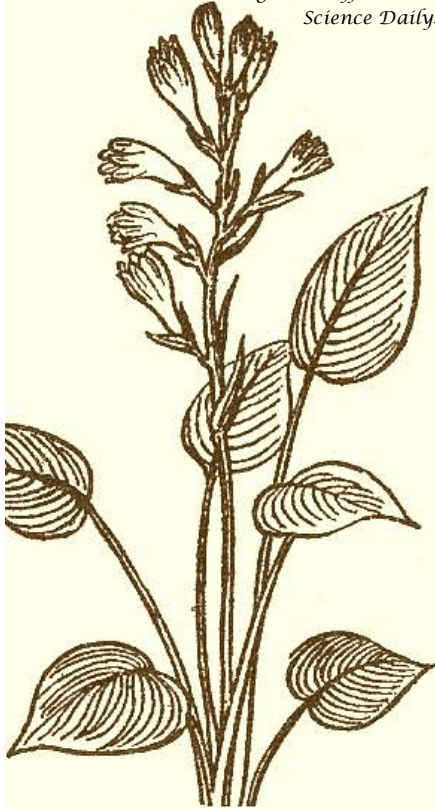
One of my favorite things.

Reblog this Post
1 week ago



This blog was created the day I got bored of Engineering. It's dedicated to all things I stumble upon and to those that still keep my love for science alive. Contains all sorts of science news and stories. If you have any interesting story you can always submit and you will be credited! Note: This blog is not affiliated to the website Science Daily.

© T H E M E



schneidervocab:

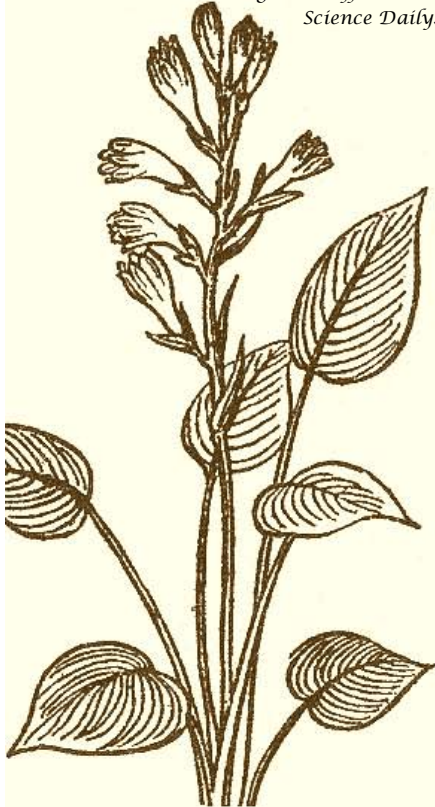
If you need a last minute costume idea, here's a three-in-one concept.

Reblog this Post
2 weeks ago



This blog was created the day I got bored of Engineering. It's is dedicated to all things I stumble upon and to those that still keep my love for science alive. Contains all sorts of science news and stories. If you have any interesting story you can always submit and you will be credited! Note: This blog is not affiliated to the website Science Daily.

© T H E M E



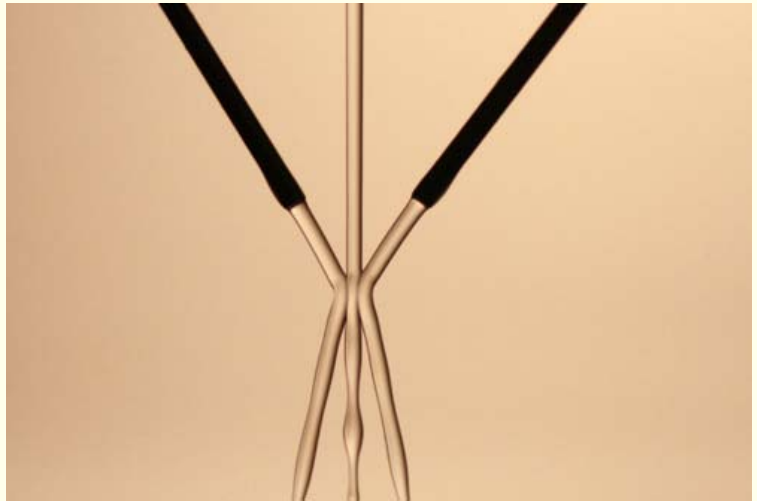
sciencecenter:

Russian heat wave statistically linked to climate change

The forces behind weather are notoriously hard to pin down, and so climate scientists need to be careful and nuanced when they assess whether extreme weather is linked to climate change or just a freak weather event. Some events, like the unprecedented heat wave that killed 700 in Russia last summer, seem obviously linked to climate change. Now, by using a modeling approach originally based on casinos, scientists can model weather and predict the impact climate change had.

In the case of the Russian heat wave, researchers predict that climate change was 80% responsible. "With climate change, it's going to happen five times more often than without," said climatologist Stefan Rahmstorf. These findings further solidify what climate scientists have been warning for decades: the hotter the Earth gets, the more likely extreme weather is to occur.

Reblog this Post
2 weeks ago



fuckyeahfluidynamics:

Three impinging jets of silicone oil rebound without coalescence due to thin-film lubrication between the jets. The motion of the oil

replenishes the thin layer of air separating the streams. The same phenomenon keeps droplets from coalescing as well. (Photo credit: BIF Lab, Department of Engineering Science and Mechanics, Virginia Tech) #

Reblog this Post
2 weeks ago

This blog was created the day I got bored of Engineering. It's is dedicated to all things I stumble upon and to those that still keep my love for science alive. Contains all sorts of science news and stories. If you have any interesting story you can always submit and you will be credited! Note: This blog is not affiliated to the website Science Daily.

© T H E M E



THEME BY: ©HELOISA TEIXEIRA
BASE BY: ©JAM16

