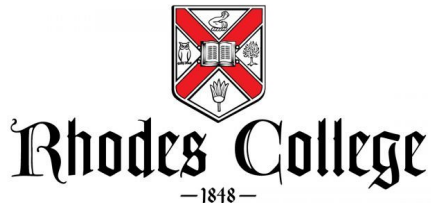


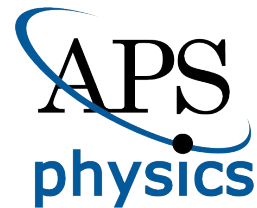


# is for everyone:

## How to Market Physics for The Masses

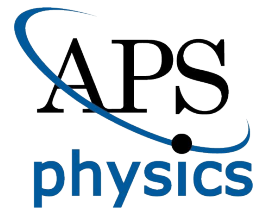


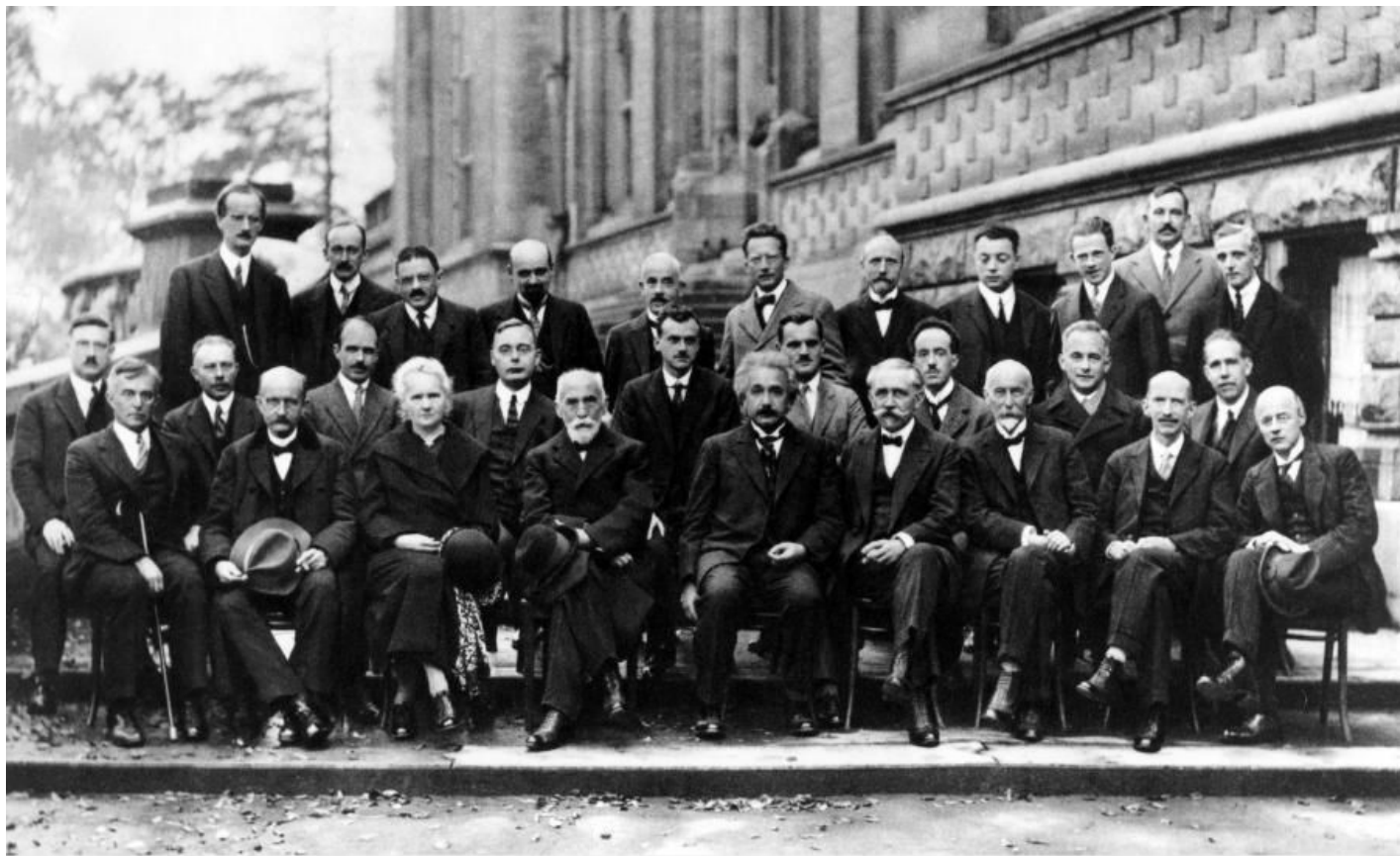
Phoebe Sharp  
APS Public Outreach Intern  
August 10, 2018





“Kids are born  
curious. Period.”  
- Neil deGrasse  
Tyson

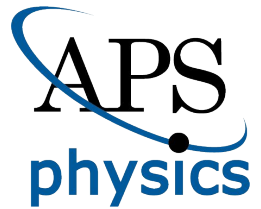




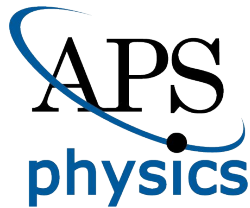
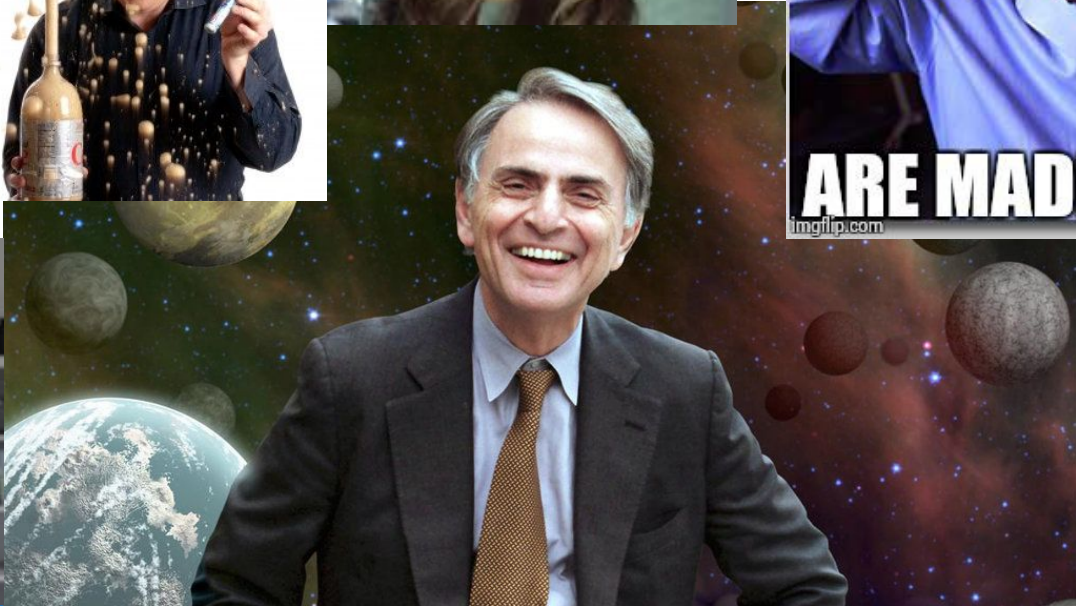
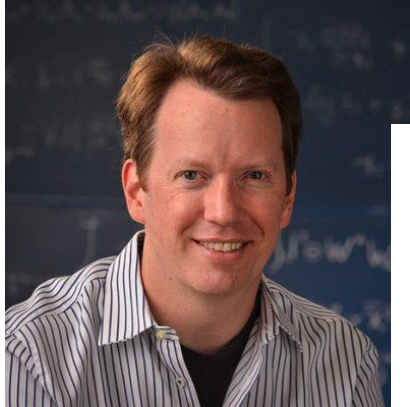
Photographie Benjamin Couprie

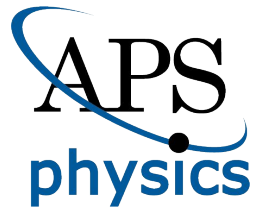
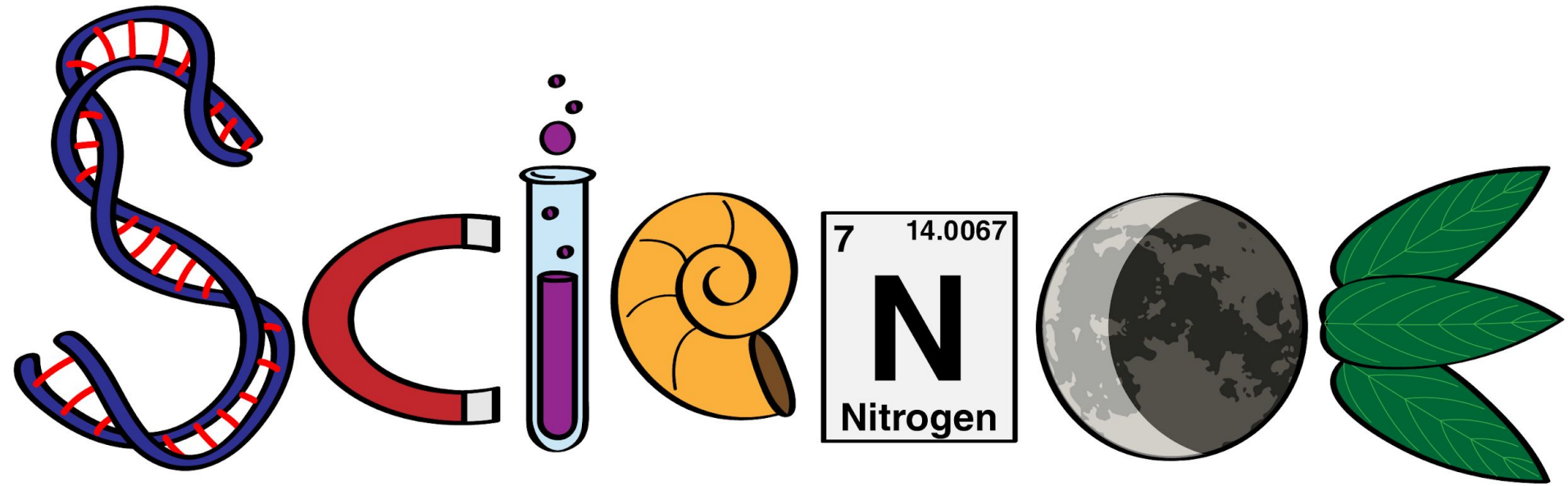
26, Avenue Louise, Bruxelles

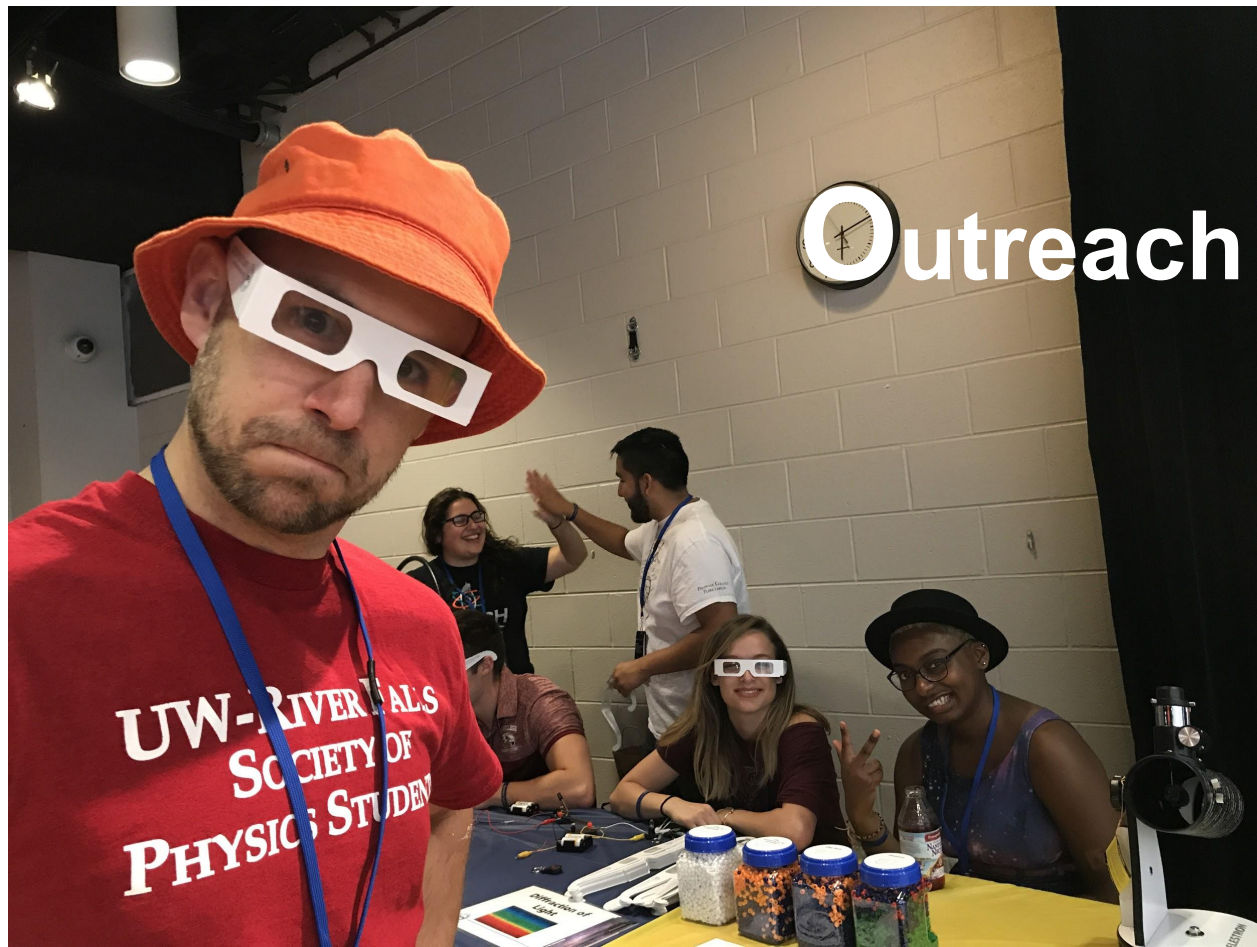
R. H. FOWLER



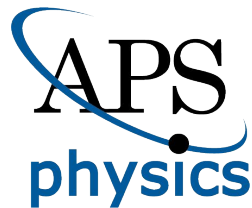








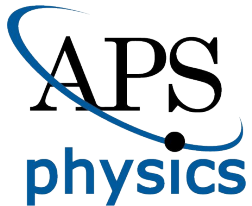
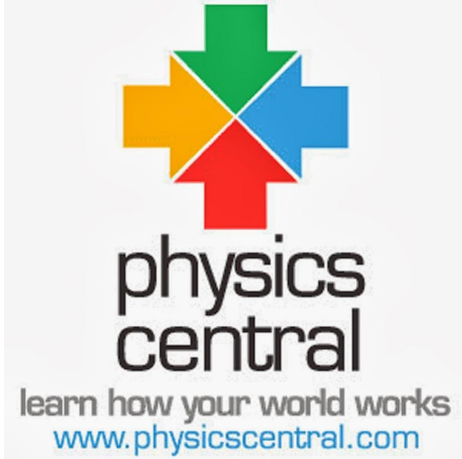
# Outreach







Amanda and her bucket hat

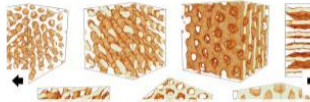


Before

Physics Buzz Blog

**A Physicist's Take on Online Hatred and Extremism**

Wednesday, August 01, 2018  
 "Do we really have to live with this?" Like many of us, that's what Dr. Neil Johnson wondered when the news highlighted yet another seemingly random violent terrorist attack back in 2014. But unlike many of us, he and his colleagues turned to science... [more](#)



**What is Nuclear Pasta?**  
 Beneath the crust of a neutron star, pressures are so intense that atomic nuclei stop existing as distinct particles and are crushed together into strange new shapes.

**Becoming the Noise: A Visit to One of the Quietest Places on Earth**

Tuesday, July 31, 2018  
 Scratchy. My ultra-smooth gel pen made a distracting and mildly irritating sound that I can only describe as scratchy with each stroke. I became acutely aware of the process involved in forming each letter. I flipped a page in my memo pad to make roo... [more](#)

discover



Physics in Action    Physics in Pictures    Physics +    Physics@Home



What could we accomplish with machines that draw power from the air around us?



The interior of a neutron star plays host to strange phases of matter unlike anything seen here on Earth.



When GPS isn't an option, scientists turned to physics to control and track swarms of underwater sensors.



Get creative and learn the basics of magnetism at the same time with this fun blend of art & science!



Getting humans to Mars safely means figuring out how to protect the body from the damage of cosmic rays.



The birth of a star produces spectacularly fast-moving bursts of particles.



Sometimes, all it takes to unlock ancient secrets is to look at the problem in a new light.



Watch the interplay of electricity and magnetism in action, with this see-through version of a classic physics demonstration!

After

(a) Gnocchi    (b) Spaghetti    (c) Waffles    (d) Lasagna

(e) Penne    (f) Farfalle    (g) Atignocchi

**What is Nuclear Pasta?**  
 Beneath the crust of a neutron star, pressures are so intense that atomic nuclei stop existing as distinct particles and are crushed together into strange new shapes.

**Physics in Action    Physics +**

**Meet the Tiny Machines that Harness Humidity for Power**

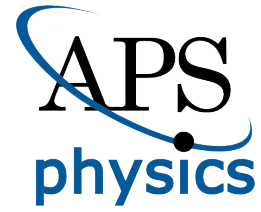
What could we accomplish with machines that draw power from the air around us?

**Activity Books**

**Popular on Physics Buzz This Week**

**A Physicist's Take on Online Hatred and Extremism**  
 "Do we really have to live with this?" Like many of us, that's what Dr. Neil Johnson wondered when the news highlighted yet another seemin...

**Liquid Droplets May Help Unravel the Secrets of Quantum Mechanics**  
 Strange as it may sound, bouncing liquid droplets are changing our ideas of what happens at subatomic levels. By studying their movement ac...





Thursday, June 21, 2018

### The Twinkle in Mother Earth's Eye: Laser Blasts Produce Promising Fusion Advances

What if you could have a miniature star powering your house, your computer, and your car? How cool would that be! Stars produce a lot of energy, and they get that energy through a process called fusion. Thanks to [recent research](#) at the National Ignition Facility (NIF), we're now one step closer to using fusion as a power source—unlocking a virtually infinite supply of clean energy.

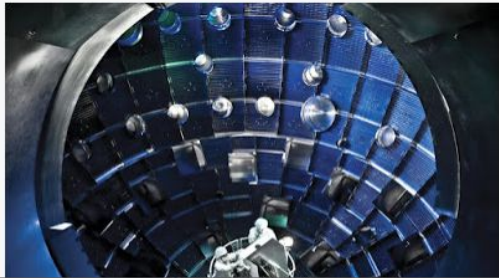


Image credit: Philip Saltonstall/Lawrence Livermore National Laboratory

### The Twinkle in Mother Earth's Eye: Laser Blasts Produce Promising Fusion Advances

Friday, July 27, 2018

### Liquid Droplets May Help Unravel the Secrets of Quantum Mechanics

Strange as it may sound, bouncing liquid droplets are changing our ideas of what happens at subatomic levels. By studying their movement across pools of liquid, Prof. John Bush from MIT is discovering how these droplets can help us understand the tiny particles that

### Liquid Droplets May Help Unravel the Secrets of Quantum Mechanics

when they bounce, as if on a trampoline, and end up being pushed around by the waves of the previous bounce.

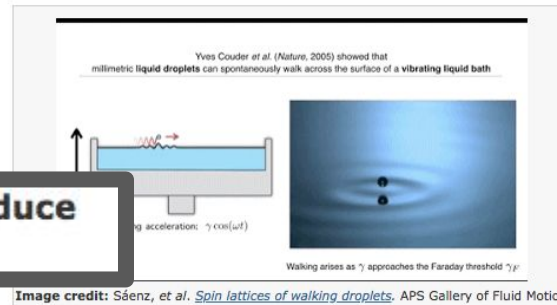
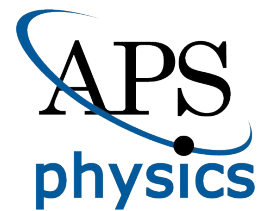


Image credit: Sáenz, et al. [Spin lattices of walking droplets](#). APS Gallery of Fluid Motion











## **Thank you:**

APS Public Outreach  
SPS National Staff  
Rhodes College  
The 14 other interns that  
made this a great  
summer

