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## ScienceNews

MAGAZINE OF THE SOCIETY FOR SCIENCE

### Meet the writers behind *Science News*

We believe in the power of scientific knowledge and the free flow of information to help you stay informed, enlightened, and engaged with the world around you.



**Bruce Bower, Behavioral Sciences**

Bower's beat is all things human, from the origins of our species to present-day human behavior, including mental health. A writer for *Science News* since 1984, he has a master's degree in psychology from Pepperdine University and a master's degree in journalism from the University of Missouri.



**Sujata Gupta, Social Sciences**

Gupta explores how science can help us better understand what's happening in society – and when science falls short. She was a 2017 Knight Science Journalism fellow at MIT and has written for *The New Yorker*, *Nature*, *Discover*, NPR, and *Scientific American*.



**Emily Conover, Physics**

Conover excels at explaining complex issues in physics and astronomy, from how general relativity warps time to the workings of quantum computers. She earned a Ph.D. in physics from the University of Chicago and is a two-time winner of the D.C. Science Writers Association Newsbrief award.



**Tina Hesman Saey, Molecular Biology**

Hesman Saey was honored by the National Academies of Sciences for her reporting on how consumer genetic tests can mislead people on their heritage and their health. She holds a Ph.D. in molecular genetics from Washington University and a master's degree in science journalism from Boston University.



**Erin Garcia de Jesús, Microbiology**

Garcia de Jesús holds a Ph.D. in microbiology from the University of Washington, where she studied virus/host co-evolution, and a master's in science communication from the University of California, Santa Cruz. Her writing has appeared in *Nature News*, *Science*, *Eos*, *Smithsonian Voices* and more.



**Susan Milius, Life Sciences**

Milius delves into the bizarre, beautiful and surprising in the natural world, from murder hornets to how a spider can use silk to lift 50 times its weight. She has written for *The Scientist*, *Science*, *International Wildlife* and United Press International, and her work has been featured in *The Best American Science Writing*.



**Carolyn Gramling, Earth & Climate**

Gramling's reporting ranges widely, from new discoveries about fossils to climate change. She has written for *Science* and *EARTH* magazines, and holds bachelor's degrees in geology and European history, and a Ph.D. in marine geochemistry from MIT and the Woods Hole Oceanographic Institution.



**Nikk Ogasa, Physical Sciences**

Ogasa has a master's degree in geology from McGill University, and a master's degree in science communication from the University of California, Santa Cruz. His stories have been published in *Science*, *Scientific American*, *Mongabay* and the *Mercury News*.



**Lisa Grossman, Astronomy**

Grossman explores big questions like whether Pluto really is a planet and what more we can learn from moon rocks. A former news editor at *New Scientist*, she has a degree in astronomy from Cornell University and a graduate certificate in science writing from UC Santa Cruz.



**Laura Sanders, Neuroscience**

Sanders explores the latest frontiers in neuroscience, including whether psychedelics can help treat mental illness, and the nature of consciousness. She studied fruit fly mating dances while earning her Ph.D. in molecular biology from the University of Southern California in Los Angeles.

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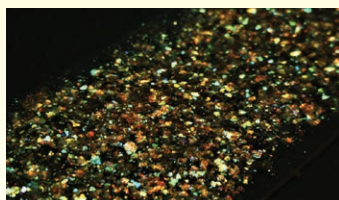
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Here's what the next 10 years of space science could look like.



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Jumping spiders' remarkable senses capture a world beyond our perception.



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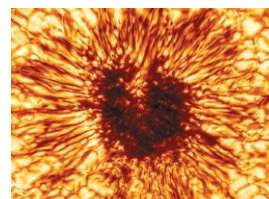
This eco-friendly glitter gets its color from plants, not plastic.

TURN THE PAGE  
for more cool news and breakthroughs!

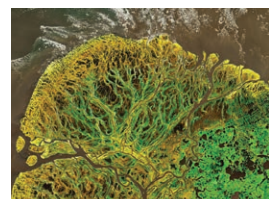


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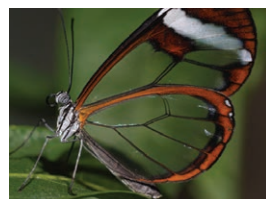
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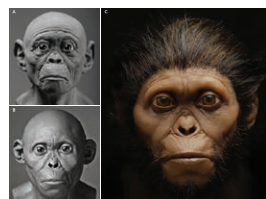
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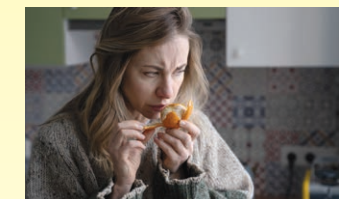
See late-breaking discoveries inside...

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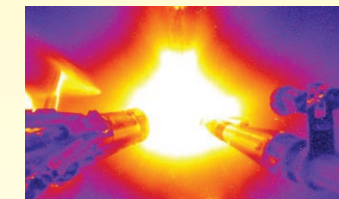
### GENETICS

Your genes hint at why COVID-19 can affect smell.



### PHYSICS

Scientists near a nuclear fusion milestone.



### HEALTH

Can animal-to-human organ transplants become mainstream?



KEEP GOING!  
More serious discoveries unfold inside!

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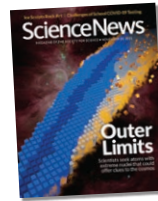
## These guys are bulletproof.

Until you treat them like a bullet.

Tardigrades are hard to kill. They can go years without food or water, and even live in the vacuum of outer space. But can they survive a crash landing on another planet?

Placed into nylon bullets, the dormant tiny animals could not survive impact speeds of more than 825 meters per second. Knowing whether life is up to the challenge of planet-hopping could help answer how life got started on Earth.

Stranger than (science) fiction news in each issue.



## Elephants never forget.

Evolution responds to poachers.

From an evolutionary standpoint, decades of elephant poaching appear to have made tusklessness more advantageous for survival, encouraging the proliferation of tuskless females.

Sadly, tusks are not just ornamental. Elephants use tusks to dig for water and strip tree bark for food. If elephants evolve without this tool to do those kinds of things, then their future may become even more endangered.

Amazing scientific discoveries happen every day.



## Oh snap!

The real power behind Thanos.

Scientists, inspired by a scene in the 2018 movie *Avengers: Infinity War*, where the supervillain Thanos snaps his fingers and obliterates half the universe, wanted to uncover the actual science behind the snap.

High-speed video reveals the extreme speed at which friction and the compression of the finger pads are key to a satisfying snap. Thus, Thanos' gloved snap would have been a dud. Once again, science saves the world.

Integrity in science journalism is our mission.



## Yoo hoo!

Aliens orbiting any of 2,000+ stars could spot Earth crossing the sun.

Astronomers look for distant planets by watching for the shadow the worlds cast when passing between their star and Earth. If any aliens are searching for other intelligent life, they could spot us using the same trick.

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