FEATURES

In Search of the Brain's Social Road Maps

By Matthew Schafer and Daniela Schiller



Solar and Wind Power Could Ignite a Hydrogen Energy Comeback

By Peter Fairley



No One Can Explain Why Planes Stay in the Air

By Ed Regis



Fully Autonomous Weapons Pose Unique Dangers to Humankind

By Noel Sharkey



The First Molecule in the Universe

By Ryan C. Fortenberry



SPECIAL REPORT

INNOVATIONS IN

How Artificial Intelligence Will Change Medicine



By Claudia Wallis

Hunting for New Drugs with AI By David H. Freedman Rise of Robot Radiologists By Sara Reardon Can AI Fix Electronic Medical Records? By Cassandra Willyard The Talent Gap Holding Back Digital Medicine By Amit Kaushal and Russ B. Altman

DEPARTMENTS

FROM THE EDITOR
On Navigation

LETTERS

Readers Respond to the October 2019 Issue

ADVANCES

New Instrument Will Stretch Atoms into Giant Waves

A Drone's-Eye View of the Quick and the Dead

People Don't Learn to Trust Bots Scientists Solve a Deadly TB Mystery In Case You Missed It Indigenous Lands Ace Biodiversity Measurements Jackdaws Have Different Rules for Different Flocks Penicillium Fungus Hosts Surprising Opioid Compounds Diving Beetles Dramatically Take Down Tadpoles **FORUM** A Proposed EPA Regulation Would Endanger the Public's Health THE SCIENCE OF HEALTH The Case for Fewer Heart Procedures THE SCIENCE AGENDA Doctors Need to Focus Less on a Patient's Weight **RECOMMENDED** Recommended Books, February 2020 **ANTI GRAVITY** Light Pollution Isn't Just a Problem for Stargazers 50, 100 & 150 YEARS AGO 50, 100 & 150 Years Ago: February 2020 Cooling the Air around Us; The Dangers of Diving **GRAPHIC SCIENCE**

What's Inside? Meat vs. Meatless Burgers

New Process Could Provide More Sustainable Plastic Production

METER

Mathematical Glossolalia

OBSERVATORY

So Is It Okay to Eat More Red and Processed Meat?

VENTURES

Augmented Reality Is Getting Real