

GENTLE.NEWS

In Today's Edition

Science & Discovery

Top Scientist Joins Tennessee Research Team

Technology & Innovation

Scientists Win Awards for New Battery Technology

Animals & Wildlife

Louisiana Wetlands Come Back to Life

Nature & Environment

Scientists Study Hawaii's Amazing Volcano Eruption

Health & Wellness

Scientists Study How Neighborhoods Affect Our Health

Activity Time

Word Search Puzzle

"We have to continually be jumping off cliffs and developing our wings on the way down."

— Kurt Vonnegut

Top Scientist Joins Tennessee Research Team

A brilliant scientist is joining the University of Tennessee and Oak Ridge National Laboratory. His name is Deep Jariwala. He studies very tiny materials that could change how computers work.

Jariwala comes from the University of Pennsylvania. He is an expert in quantum science. This is a special field that looks at the smallest parts of matter. These tiny pieces could help build super-fast computers someday.

The scientist has written over 180 research papers. Other scientists have read his work more than 26,000 times. This shows how important his discoveries are. He also has patents for his inventions.

Jariwala will start his new job in January 2027. He is excited to work at both places. The university has great classrooms and labs. The national laboratory has amazing equipment for experiments.

This partnership brings together the best of both worlds. Students will learn from a top expert. Scientists will work together on exciting projects. Tennessee is becoming a leader in future technology.

Technology & Innovation

Scientists Win Awards for New Battery Technology

Scientists at Oak Ridge National Laboratory won six special awards. They created new technology that helps make batteries better.

The awards came from a group called the Federal Laboratory Consortium. This group gives prizes to scientists who create useful new inventions.

The winning technology helps companies get lithium from oil wastewater. Lithium is an important material used in many batteries. These batteries power phones, cars, and other devices we use every day.

Six scientists received the top award for excellence. Their names are Parans Paranthaman, Ramesh Bhave, Jennifer Caldwell, Edna Gergel, Andreana Leskovjan, and Leslie Smith.

Their work helps American companies make better products. It also helps create new jobs and keeps our country strong. The scientists turned their laboratory discoveries into real solutions that help everyone.

Animals & Wildlife

Louisiana Wetlands Come Back to Life

Something wonderful is happening in Louisiana's wetlands. A big project is bringing back important homes for animals and fish.

The area is called the Upper Barataria Basin. It sits between two waterways near the Gulf of Mexico. Over many years, this special place lost a lot of land. Storms and water wore it away.

But now people are working hard to fix it. They moved millions of tons of mud and sand to build new marshes. The project created over 1,000 acres of new wetland homes. That's bigger than many towns!

The best news is that animals are already moving in. White shrimp and brown shrimp now live in the new waters. Blue crabs scurry through the shallow areas. Red drum fish swim in the channels.

Birds will come next as the marsh grows stronger. The plants will spread and create more food for everyone. This new wetland will be a busy neighborhood full of wildlife for many years to come.

Scientists Study Hawaii's Amazing Volcano Eruption

Scientists have written new research papers about a wonderful volcano eruption in Hawaii. The volcano is called Mauna Loa. It is the biggest active volcano in the whole world.

In 2022, this amazing volcano woke up after sleeping for 38 years. It started erupting in November with beautiful flowing lava. The eruption happened on the big island of Hawaii.

Before the eruption began, scientists noticed small earthquakes under the volcano. They also saw the ground moving slightly. These signs told them the volcano was getting ready to erupt.

The eruption started late at night on November 27th. Bright orange lava flowed from cracks in the volcano's top. Soon the lava moved to other areas of the mountain. It created glowing rivers of molten rock flowing down the slopes.

Scientists at the Hawaiian Volcano Observatory watched the eruption carefully. They shared information with local communities to keep everyone safe. Now researchers are studying what they learned to better understand how volcanoes work.

Scientists Study How Neighborhoods Affect Our Health

Scientists have made an interesting discovery about our neighborhoods. They found that where we live might affect how our bodies age.

Researchers looked at over 1,200 adults across America. They took blood samples to study their cells. They also looked at the neighborhoods where these people lived.

The study showed something important. People who live in areas with more green spaces, clean air, and good schools may age differently than others. Neighborhoods with parks, steady jobs, and nice housing seem to help people stay healthier.

"Our health comes from more than just what we do," says researcher Mariana Rodrigues. "The places where we live also matter for our well-being."

This research helps us understand why some communities are healthier than others. It shows that having access to nature, good schools, and safe housing can make a real difference in people's lives. The scientists hope this work will help create better neighborhoods for everyone.

Activity Time - Word Search

Find the words below in the puzzle. Words go across or down only.

Words to Find:

VOLCANO

BATTERY

AWARDS

CRABS

HOMES

PARKS

LAVA

