

# GENTLE.NEWS

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*"You know, when it works, love is pretty amazing. It's not overrated.*

*There's a reason for all those songs."*

— Sarah Dessen

## **Animals & Wildlife**

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### **Special Trout Fish Are Doing Great**

Two special kinds of trout are doing very well in America. These fish live in cold mountain streams in the Southwest.

The Gila trout and Apache trout almost disappeared long ago. Many people worked hard to save them. Scientists, park workers, and fishing lovers all helped.

Now these beautiful fish are swimming happily in their streams again. People can even go fishing for some of them now. The Apache trout was taken off the danger list in 2024. This means there are plenty of them now.

The fish live in very pretty mountain areas. The streams are cold and clear. These trout only live in this one part of the world. They make their home in special places that are hard to reach.

Many groups still work together to keep these fish safe. They want to make sure the trout will be around for children and grandchildren to see. It is a happy success story about saving nature.

### Scientists Study How Anesthesia Works in the Brain

Scientists are learning new things about what happens to our brains during surgery. When people have operations, doctors give them special medicine called anesthesia. This medicine helps patients sleep deeply so they don't feel pain.

For over 150 years, doctors have used this helpful medicine. But they are just now starting to study how it affects the brain. Before this, doctors would check a patient's heart rate and blood pressure. They would look at oxygen levels too. But they didn't watch the brain very closely.

A team of smart scientists at Yale School of Medicine wanted to learn more. They studied how anesthesia changes the way our brains work. The research team was led by Dr. Janna Helfrich. She teaches about anesthesia and wanted to make surgery safer for everyone.

The scientists found that anesthesia does more than just make people sleep. It changes how the brain works in special ways. This is different from regular sleep at night. Understanding this helps doctors take better care of their patients.

This new knowledge will help doctors improve surgery for everyone. The research shows how important it is to study the brain during medical care.

### **NASA Plans Important Space Mission Test**

NASA is getting ready for an exciting space mission next year. The mission is called Artemis III. It will be a big test in space.

Four astronauts will fly around Earth in a spacecraft called Orion. They will practice meeting up with moon landing ships made by different companies. This practice is very important.

The astronauts won't land on the moon during this trip. But they will learn how to work with the moon landing ships. This will help them get ready for the next mission when they do land on the moon.

NASA says this is one of their most complex missions ever. They are working with many partner companies. Everyone is working together to make sure everything goes perfectly.

The practice mission will help NASA learn important things. They want to make sure astronauts stay safe when they finally return to the moon. The moon landing will happen during the next mission after this test.

## Nature & Environment

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### Scientists Help Protect Arizona's Beautiful Mountain Lands

Scientists are working with the White Mountain Apache Tribe in Arizona. Together they are making special maps of Mount Baldy area. These maps help protect the beautiful wilderness there.

The Fort Apache Reservation covers over 1.6 million acres. It has deserts, forests, rivers, and mountains. Many animals live there, including elk herds that move through pine trees. The land is very important to the Apache people and their culture.

The tribe uses these lands in many good ways. They harvest timber from the forests. Visitors come to hunt, fish, and enjoy winter sports. Tourism brings many people to see the natural beauty. All of these activities help the local community.

The new maps are special because they focus on what matters most to the tribe. Scientists studied the unique landscape carefully. They want to help protect the places that are most precious to the Apache people.

This partnership shows how science can help communities. The maps will guide decisions about caring for the land. Both the natural areas and the people who call them home will benefit from this important work.

### Ten Students Win College Scholarships

Ten high school students just received wonderful news. They each won a college scholarship worth \$2,500 per year.

The scholarships come from Brookhaven Science Associates. This group runs a big science laboratory on Long Island. They give these awards to children of people who work at the lab.

"These 10 students each have different paths ahead of them," said John Hill. He helps run the laboratory. "We are proud to support them all."

The students can use their scholarships at any college they choose. The money helps pay for four years of school. Students picked colleges like Binghamton University and Vassar College.

The scholarship program started in 1965. That makes it almost 60 years old! Each year, a special committee picks the winners. They look at grades, volunteer work, and essays the students write.

## Activity Time - Word Search

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

### Words to Find:

MOUNTAIN

STREAMS

SCIENCE

SLEEP

SPACE

MAPS

FISH

