

GENTLE.NEWS

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*"When the power of love overcomes the love of power, the world will know
peace."*

— Jimi Hendrix

NASA Center Helps Create Amazing New Airplanes

NASA has a special place in California where they test new airplanes. The center is called Armstrong Flight Research Center. It sits in the desert near Edwards Air Force Base.

This is where history was made in 1947. A brave pilot named Chuck Yeager flew faster than the speed of sound for the first time. His airplane was called the Bell X-1. It was a very exciting day for flying.

Today, NASA scientists still work at this desert center. They are building new kinds of airplanes. Some planes will fly very quietly. Others might run on electricity instead of gas.

The desert location is perfect for testing airplanes. There is lots of open space and clear skies. The area is safe and secure for trying new flight ideas.

NASA works with other companies to make flying better. They want planes to be safer, quieter, and cleaner. The work they do today will help people fly in amazing new ways tomorrow.

Technology & Innovation

Oak Ridge Lab Names First Data Leader

A top science lab has chosen its first data chief. Oak Ridge National Laboratory picked Budhu Bhaduri for this new job.

The lab does important work with energy and science. They study many things to help people. Now they want to use their information better.

Bhaduri has worked at the lab for many years. He started there in 1998 as a scientist. He knows how to handle lots of information well.

His new job will help the lab work faster. He will make sure all the computer information is organized. This will help scientists do their research better.

The lab leader said data is very important. Good information helps scientists make new discoveries. Bhaduri will help the lab use computers and data in smart ways. This change shows how science labs are growing. They collect lots of information every day. Having someone in charge of data will help everyone work together better.

Fishing Captains Help Scientists Study Ocean Fish

Two brothers love taking people fishing for bluefin tuna. Captain Brian Bacon and Captain Peter Bacon run fishing trips off the Atlantic coast. They say bluefin tuna are amazing fish to catch.

"Once you go bluefin fishing, you'll never want to fish for anything else," says Brian. The fish are strong and exciting to catch. Even small bluefin tuna put up a big fight. Peter adds that the fish are powerful swimmers. It takes skill to bring them to the boat.

But the Bacon brothers do more than just catch fish for fun. They help scientists learn about bluefin tuna too. They work with ocean researchers to tag the fish before letting them go.

Scientists give the brothers special tags to put on the fish. The tags help track where the fish swim and how they live. When other fishermen catch tagged fish later, they report it to the scientists.

This teamwork between fishermen and scientists helps everyone learn more about ocean life. The research helps keep fish populations healthy for the future.

New Lung Cancer Medicine Shows Great Promise

Doctors have exciting news about a new medicine for lung cancer. The drug is called Hernexeos. It helps people fight this serious illness.

The medicine works much better than older treatments. In tests, it helped 76 out of every 100 patients. Their tumors got much smaller. Old medicines only helped 30 to 45 people out of 100.

The government approved this new drug very quickly. It only took 44 days to review. Usually it takes much longer. Doctors wanted to help patients as soon as possible.

This medicine is for a special type of lung cancer. It works for people whose cancer has certain markers. Doctors use tests to see if patients can use this treatment.

The drug company first got permission to help patients who tried other medicines. Now they can also help patients who are just starting treatment. This gives more people hope for getting better.

Hawaii's Giant Volcano Teaches Scientists New Lessons

Hawaii's biggest volcano, Mauna Loa, erupted in 2022 after sleeping for 38 years. Scientists were excited because they had much better tools to study it than ever before.

The volcano started showing signs of waking up back in 2014. Special instruments felt tiny earthquakes and measured how the ground was moving. These changes came and went for several years.

In 2021, scientists noticed something new. A special tool called a tiltmeter detected the volcano shifting slightly. This told them that hot melted rock was moving closer to the surface.

The big eruption finally began just before midnight on November 27, 2022. It started at the top of the volcano, then moved to create beautiful lava flows down the mountainside. The glowing rivers of lava flowed toward the main highway but stayed safely away.

By December 13, 2022, the show was over. The volcano went back to sleep. Scientists are still learning from all the information they gathered. Even when quiet, this giant mountain continues teaching us amazing things about how our Earth works.

Activity Time - Word Search

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

Words to Find:

AIRPLANE

DOCTORS

SCIENCE

DESERT

HAWAII

HEALTH

DATA

