

GENTLE.NEWS

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"When we are tired, we are attacked by ideas we conquered long ago."

— Friedrich Nietzsche

Scientists Discover Ocean Life Using Tiny Clues

June is National Ocean Month! Scientists are finding amazing new ways to learn about life in the deep ocean. The ocean is full of mysteries, and researchers are working hard to unlock them.

Deep ocean water is very hard to explore. Some parts are more than 200 meters below the surface. These dark depths are far from shore and hard to reach. But scientists have found a clever new way to study them.

The trick is called environmental DNA, or eDNA. Every living creature leaves tiny traces of itself behind. Fish, tiny plants, and other sea life shed skin cells into the water. Scientists collect water and mud samples from the ocean. Then they study the DNA found inside them.

This method is very gentle. It does not disturb the animals or their homes. Scientists can find rare creatures that cameras and nets often miss. It helps build a fuller picture of ocean life, from the surface to the seafloor.

Researchers from several science agencies are working together on this exciting project. They are discovering new species and learning how ocean life is connected. Every discovery helps us better protect and understand our beautiful oceans.

Space Telescope Watches a Planet Get Super Hot

Have you ever stood too close to a fire and felt the heat? Scientists have spotted something like that happening far out in space. A giant planet is getting roasted by its star!

NASA's James Webb Space Telescope has been watching a planet called HD 80606 b. This planet is four times bigger than Jupiter, the largest planet in our solar system. It travels in a long, looping path around its star.

That path is very unusual. Most planets travel in nice, round circles. But this planet swoops in very close to its star, then swings far away again. When it gets close, the heat from the star is truly enormous.

Scientists say it is one of the most extreme planets ever found. The star heats it up very quickly as it passes by. Researchers are studying how the planet's weather and winds change during this wild journey through space.

The James Webb Space Telescope is one of the most powerful tools humans have ever built. It can see things billions of miles away. Every new discovery helps us understand our universe a little better. Space is full of wonderful surprises waiting to be found!

Nature Refuge and Native Nation Join Hands

A beautiful wildlife refuge in Maine has something wonderful to celebrate. The Aroostook National Wildlife Refuge is now partnered with the Mi'kmaq Nation in a special agreement to care for the land together.

The refuge is a peaceful place full of forests, wetlands, and grasslands. It sits in the far north of Maine, near the Canadian border. Animals and plants thrive there in the quiet wilderness.

On Earth Day, leaders from the U.S. Fish and Wildlife Service and the Mi'kmaq Nation came together to sign the agreement. People gathered at the visitor center to celebrate this exciting new partnership.

The Mi'kmaq Nation has deep roots in this region. Their knowledge of the land goes back many generations. By working together, both groups hope to protect wildlife and nature for years to come.

A young wildlife specialist named Lachlin Robertson helped make this partnership happen. His work brought the two groups closer together. It is a wonderful example of people joining hands to protect our Earth.

Fishing Tournaments Bring Hawaii's Ocean Communities Together

In Hawaii, fishing is much more than a hobby. It is a deep tradition passed down through generations. Local people say the ocean is their icebox. It feeds and sustains island communities.

Hawaii hosts many kinds of fishing tournaments. Some use simple bamboo poles along the shore. Others send large boats far out to sea to catch blue marlin. Every kind of fisher has a place to belong and compete.

One special event is called the "Eat the Invaders" tournament. It is held at Maunalua on the island of O'ahu. Fishers catch invasive fish that do not belong in Hawaii's reefs. This helps protect the ocean and its native creatures.

A fisherman named Henry Ta recently won this tournament. His small team caught an amazing 278 pounds of invasive fish! Henry had won other tournaments before. He even earned Fisherman of the Year honors in both 2023 and 2024.

Henry said his team entered the event to give back to the ocean. They wanted to help and spread awareness. Fishing tournaments like this bring people together. They celebrate community, care for the sea, and honor a beloved island tradition.

Scientists and Leaders Plan Exciting Future With New Technology

Some of America's brightest minds came together recently for a very important meeting. Scientists, business leaders, and government officials all gathered in Chattanooga, Tennessee. They shared big ideas about how new technology can help people and create good jobs.

The meeting focused on two exciting areas of technology. The first is artificial intelligence, which helps computers think and solve problems. The second is quantum technology, which is a powerful new way of processing information. Both are growing very quickly right now.

Oak Ridge National Laboratory played a big role at the meeting. This famous research center has been making important discoveries for many decades. Its director spoke proudly about the lab's long history of turning science into real-world benefits for everyday Americans.

Leaders at the meeting felt hopeful about what lies ahead. They believe the Tennessee Valley region is becoming a national leader in science and technology. New companies are moving there, and many good jobs are being created for young people just starting their careers.

It is exciting to think about how fast technology is growing. The scientists and leaders at this meeting are working hard to make sure those advances help everyone. The future looks very bright indeed.

Activity Time - Word Search

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

Words to Find:

SEAFLOOR SPECIES JUPITER MARLIN
NATURE ORBIT FISH

S	P	E	C	I	E	S	Y	H	X	D
W	L	N	A	T	U	R	E	W	M	J
O	W	Q	E	M	V	R	V	F	G	L
R	Z	O	H	V	F	S	F	I	S	H
B	M	A	R	L	I	N	E	S	O	J
I	Y	L	D	J	I	O	H	X	G	K
T	Q	Y	S	E	A	F	L	O	O	R
H	J	D	D	Z	O	K	Z	I	B	I
J	U	P	I	T	E	R	V	C	F	T
G	S	Q	C	V	Z	O	M	P	V	A
G	Z	I	S	Q	P	C	V	Y	K	N