

GENTLE.NEWS

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"Everything has beauty, but not everyone sees it."

— Confucious

Two Scientists Earn Top Honor in Physics

Two scientists at a famous research lab in New York have received a very special honor. Lijuan Ruan and Xin Qian work at Brookhaven National Laboratory. They were named Fellows of the American Physical Society. This is one of the highest awards a physicist can receive.

The American Physical Society has more than 50,000 members around the world. Only a small number are chosen as Fellows each year. This year, just 153 scientists earned the honor. Being selected is truly something to celebrate.

Lijuan Ruan studies the tiny building blocks that make up all matter. Everything around us is made of incredibly small pieces called quarks. She helps run a special machine that smashes atoms together at nearly the speed of light. This lets scientists see what is hidden deep inside matter.

Xin Qian studies something called neutrinos. These are tiny particles that are very hard to detect. Scientists sometimes call them "ghost particles" because they pass through almost everything. Tracking them helps us understand the universe.

Both scientists have spent many years doing important work. Their discoveries help answer big questions about how the world works. It is wonderful to see such dedicated people recognized for their hard work and curiosity.

Smart Computer Helper Makes Science Faster

Scientists are using a very smart computer program to make big discoveries faster than ever before.

A famous science lab in California is leading this exciting project. It is called Lawrence Berkeley National Laboratory. Their team is teaching computers to help run giant machines called particle accelerators.

Particle accelerators are powerful tools that help scientists learn about how everything is made. They are used to study physics, chemistry, biology, and materials. Now, a smart computer helper named Osprey is making these machines work even better.

Osprey is like a very helpful assistant. Scientists can simply talk to it in plain English. They tell it what they need, and it helps set up experiments. It can also fix problems and collect huge amounts of information. The best part is that Osprey can work at many different science facilities around the country.

This project is growing fast. Sixteen research groups are now working together on it. The U.S. government is providing special funding to help it expand. Scientists believe this smart helper will speed up discoveries in health, energy, and space for many years to come.

Wild Places Near Lake Superior Are Being Protected

Along the shore of Lake Superior in Wisconsin, something wonderful is happening. Groups of caring people are working together to protect forests, wetlands, and streams. Their goal is to keep these wild places healthy for years to come.

Two groups joined hands to make this happen. The U.S. Fish and Wildlife Service and the Landmark Conservancy worked as partners. Together, they helped protect more than 1,700 acres of land. That is a very large area — bigger than many towns!

The land they protected is full of life. Cold, clean streams flow through thick forests. Brook trout swim in the clear water. Migratory birds stop to rest on their long journeys. Many other animals also call this place home.

Local landowners were happy to help. They worked with the Landmark Conservancy to find the best ways to care for the land. Wetlands were restored and kept healthy. This helps keep the water clean all the way into Lake Superior.

Protecting this land is a gift to the future. Healthy forests and streams help wildlife thrive for generations. It is a beautiful reminder that when people work together, nature wins. The fish, birds, and forests of Lake Superior are in good hands.

Diver Teaches Thousands to Help Save Coral Reefs

A scientist in Florida is doing wonderful work to save coral reefs. Her name is Dr. Kylie Smith. She just received a special national award for her efforts.

Coral reefs are beautiful underwater gardens. They are home to countless fish and sea creatures. Kylie has spent many years helping to bring these reefs back to life in the Florida Keys.

Kylie started a group called I.CARE in 2019. The name stands for Islamorada Conservation and Restoration Education. The group teaches everyday people how to help restore coral reefs. So far, more than 5,000 divers have been trained!

Kylie also loves working with young people. During her years in college, she guided more than 40 students through research projects. She later created a paid internship program. It gives young people real, hands-on experience in ocean science.

Kylie believes everyone can help protect nature. Her work turns ordinary visitors into reef helpers. Thousands of corals have been planted back onto the reefs because of her program. She is truly an inspiration to her community and to us all.

Countries Work Together to Protect Ocean Fish

Some fish travel thousands of miles across the ocean. They swim from one country's waters to another. Fish like tuna and swordfish never stay in one place for long. They don't know anything about borders!

Because these fish travel so far, no single country can protect them alone. Many nations must work together. They share information and make agreements. This teamwork helps keep the fish healthy and plentiful for everyone.

The United States plays an important role in this effort. American fisheries managers work with other countries around the world. Together, they set rules about how many fish can be caught each year. This helps make sure there are always enough fish.

These efforts help fishing families and coastal towns across America. Healthy fish populations mean good catches for years to come. Seafood lovers everywhere benefit too. Fresh tuna and swordfish stay available at markets and restaurants.

It is a wonderful example of the world working as one. Different countries, different languages, but the same goal. Protecting our shared oceans is something everyone can feel good about.

Activity Time - Word Search

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

Words to Find:

FISHING

PHYSICS

STREAM

MATTER

OCEAN

OCEAN

TUNA

