

# GENTLE.NEWS

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## In Today's Edition

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### **Nature & Environment**

Giant Iceberg Creates Amazing Ocean Life Bloom

### **Technology & Innovation**

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### **Science & Discovery**

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Word Search Puzzle

*"A classic is a book that has never finished saying what it has to say."*

— Italo Calvino

### **Giant Iceberg Creates Amazing Ocean Life Bloom**

A huge iceberg called A-23A has been traveling through Antarctic waters for over 40 years. This "megaberg" is one of the largest icebergs ever seen.

The giant ice chunk recently started melting as it moved into warmer ocean waters. As it melted, it broke into smaller pieces and left behind cold, fresh water.

Something wonderful happened next. The cold meltwater helped tiny ocean plants called phytoplankton grow in huge numbers. NASA satellites spotted this amazing bloom of life from space.

These tiny plants are very important for our planet. They make up to half of the oxygen we breathe. They also provide food for fish and other sea animals. The phytoplankton help keep our oceans healthy.

Scientists are excited to watch this natural process. The melting iceberg created a burst of new life in the ocean. Nature shows us amazing things when we take time to look.

### Scientists Turn Computer Heat Into Helpful Energy

Scientists have found a new way to make computers work better. They discovered how to use heat as a power source instead of fighting it.

All computers make heat when they work. This heat usually makes computers work poorly. That's why computers need fans to stay cool. It's also why computers use so much electricity.

A team of smart scientists had a great idea. What if we could use that heat to help computers instead? They created a special type of computer that runs on heat energy.

This new computer works like the human brain. It uses much less electricity than regular computers. It can work at normal room temperature too. That means no special cooling needed.

The scientists published their work in a science magazine. Their discovery could help make all computers use less energy in the future. This would be good for the environment and save money too.

### **Scientist Creates Magic X-Rays to Help People**

Silvia Russi loves science and helps people every day. She works at a special lab where she makes X-rays using amazing machines.

Her lab has a big ring that spins tiny particles very fast. These particles move almost as fast as light! When they spin around, they make bright X-rays that help scientists learn new things.

Scientists from all over the world come to use Silvia's X-rays. They use them to find new medicines that can help sick people feel better. They also use them to study how to make better energy for our homes.

Silvia started loving science when she was young in Uruguay. Now she teaches new scientists how to use these special machines. She watches the computers to make sure everything works perfectly.

When scientists have questions, Silvia is there to help them. She makes sure the X-ray machines are ready for important experiments. Her work helps scientists discover wonderful new things that make life better for everyone.

### Ocean Farmers Help Sea Life Grow

Aaron Huang loves seaweed so much he eats it every day! He calls himself a "kelp nerd." Aaron lives in Newport, Oregon, near the ocean.

Aaron noticed something sad happening underwater. Beautiful kelp forests were disappearing. These underwater gardens are home to many sea creatures. They also help keep our oceans healthy.

The problem was too many sea urchins. These spiky creatures love to eat kelp. Without enough natural enemies, the urchins ate too much. They gobbled up whole kelp forests!

Aaron had a smart idea. He started a sea urchin farm called OoNee. The name sounds like "uni," a fancy food made from sea urchins. Aaron and his partner Brad collect hungry urchins from the ocean floor.

At their farm, they feed the urchins healthy food. The urchins grow fat and happy. People can eat them as a special treat. Best of all, removing urchins lets kelp forests grow back. Aaron is helping both people and ocean life!

## **Animals & Wildlife**

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### **Great Lakes Get Help from Nature Helpers**

The Great Lakes are getting lots of loving care these days. Teams of nature helpers have been working hard for 16 years. They want to make the lakes better homes for fish and wildlife.

So far, these caring people have finished 102 special projects. They work in six states around the Great Lakes. These states are Illinois, Michigan, Minnesota, New York, Ohio, and Wisconsin.

The helpers have done amazing work. They have fixed up more than 5,400 acres of land near the water. They also opened 570 miles of rivers and streams. Now fish can swim freely again.

The teams clean up old debris that was cluttering the water. They also plant new wetlands along the shores. These wetlands help keep the water clean and give animals safe places to live.

All this good work helps the fish, birds, and other animals. It also makes the Great Lakes more beautiful for everyone to enjoy. The nature helpers plan to keep working for many more years.

## Activity Time - Word Search

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

### Words to Find:

COMPUTER

ICEBERG

ENERGY

OCEAN

LAKES

OCEAN

LIGHT

