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GENTLE.NEWS

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"Kindness is a language which the deaf can hear and the blind can see."

— Mark Twain

NASA's Mars Rover Takes a Rest to Recharge

NASA has a robot explorer driving around on Mars right now. It is called Curiosity. This rover has been working hard and needed a short rest to recharge its power.

Curiosity has been drilling into the surface of Mars to collect rock samples. Scientists named the drilling spot "Nazca." The rover drilled a hole and collected tiny pieces of rock called tailings. These samples help scientists learn what Mars is made of.

Special tools inside the rover study the samples. One tool is called SAM and another is CheMin. They work like tiny laboratories inside the robot. The rover sends the results back to scientists on Earth.

One fun activity is called RAGE. That stands for Rotate to Agitate for Granule Expulsion. It simply means the rover shakes its drill to remove leftover bits of rock. Scientists also took many photos of the drill hole to keep good records.

After its rest, Curiosity will be fully charged and ready to get back to work. This amazing robot has been exploring Mars for many years. Every rock sample helps us learn more about our neighboring planet. It is a truly wonderful adventure!

Source: NASA

Pacific Island Fishing: A Tradition Passed Through Generations

The Pacific Islands are surrounded by a vast, beautiful ocean. This ocean connects the islands of Hawai‘i, American Samoa, and the Marianas. For thousands of years, fishing has been at the heart of island life.

Fishing in the Pacific is more than a job. It is a way of life passed down through many generations. Fishers head out each morning and bring home fresh tuna and other fish. Some fish is sold at market. Some is shared with neighbors and family. This sharing builds strong, close communities.

The ocean provides food, work, and a deep sense of pride. Local traditions around fishing keep cultures alive and well. Stories, skills, and customs are handed down from grandparents to grandchildren every single day.

For 50 years, a law called the Magnuson-Stevens Act has helped protect these rich fishing waters. It helps keep fish populations healthy for future generations. Local communities have a voice in how their waters are managed.

As one leader said, Pacific fisheries are "food security, cultural heritage, and jobs." The people of the Pacific Islands cherish their ocean. They are working hard to keep it healthy, bountiful, and full of life for all.

Source: NOAA Fisheries

Fish Hatchery Defeats Tiny Invaders, Protects Million Fish

A fish hatchery in Utah has won an important battle. Workers there successfully removed a harmful tiny snail from the facility. Now the hatchery is healthy and ready to keep doing its good work.

The Jones Hole National Fish Hatchery raises up to 1.2 million fish every year. That is a lot of fish! Workers there grow rainbow trout, cutthroat trout, and other fish. These fish are then released into lakes and rivers across Utah and Wyoming.

The little snail causing trouble came all the way from New Zealand. It may be small, but it can cause big problems. These snails can take over waterways and harm native fish. Hatchery workers spotted the snails early and took quick action.

The team treated the whole facility from top to bottom. They also made upgrades to keep future invaders out. Strong new safety measures are now in place to protect the fish.

Thanks to this success, millions of fish will keep swimming into local lakes. Fishermen and nature lovers can enjoy wonderful days outdoors. Popular spots like Flaming Gorge will continue to be stocked with healthy, beautiful trout.

Source: U.S. Fish & Wildlife Service

NASA Captures Autumn Fog Drifting Through River Valleys

Every autumn, something magical happens in the valleys of America. Cool morning air meets the warmth of rivers and lakes. This creates soft, white fog that fills the valleys like a blanket.

NASA has satellites high above Earth that take photos of this beautiful sight. On a cool November morning, cameras captured thick white fog curling through the valleys of the Appalachian Plateau. The Cumberland River valley was completely wrapped in mist. It looked like white ribbons from space.

By afternoon, the sun had warmed the air. The fog slowly melted away. The same valleys then showed bright green trees and dark blue rivers sparkling below. The change happened gently, over just a few hours.

Scientists use these satellite photos to learn how fog forms and fades. The images show the landscape in beautiful detail. Autumn colors, winding rivers, and rolling hills are all visible from space.

It is a lovely reminder of nature's quiet rhythms. Every cool morning brings its own soft mist. And every sunny afternoon clears it away. This peaceful cycle happens year after year, season after season.

Source: NASA

Smart computers help find who needs dental care most

Scientists have found a new way to protect people's teeth. They are using smart computer programs to spot who is most likely to get cavities. This exciting news gives hope for better dental care around the world.

Cavities are the most common health problem on Earth. They affect billions of people of all ages. Many things can lead to tooth decay. These include diet, access to dentists, and the type of water people drink.

Researchers at New York University used a special computer tool called artificial intelligence, or AI. They studied health information from nearly 24,000 people in Brazil. The computer found patterns that human eyes might miss.

The AI looked at things like age, income, and eating habits. It then identified which groups of people were most at risk. This helps doctors and health workers know where to focus their care and resources.

The goal is to get the right help to the right people. With these smart tools, communities that need dental care most can receive it sooner. Scientists believe this new approach could improve the health of millions of smiles worldwide.

Source: Futurity.org

Activity Time - Word Search

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

Words to Find:

CAVITY ISLAND AUTUMN ROVER

RIVER DRILL TUNA

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