SCIENCE NEWS

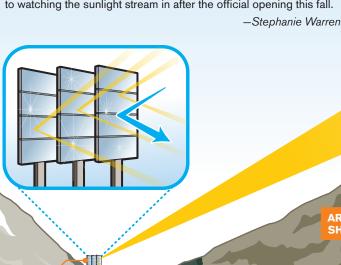
EARTH: SEASONS

SHIFTING SUNLIGHT

he town of Rjukan, Norway, doesn't get any sunlight for six months out of the year. But the city's dark days may be ending. The town is installing a system of mirrors to reflect a patch of sunlight roughly the size of a tennis court onto the city.

Rjukan is so dark because of its location. Earth spins on a tilted axis, so northern areas like Norway lean away from the sun from September to March. That means the winter sun rises just above the horizon before setting again. Rjukan also sits at the bottom of a valley, and nearby mountains completely block the low sun.

Three overlapping 17 m² (183 ft²) mirrors were recently installed in the mountains to reflect sunlight onto the town square. Computer-controlled motors rotate the mirrors so they follow the sun's path, turning them into heliostats, or sun-tracking devices. "It's been a challenging project in a very remote location," says project manager Olav Hale. He looks forward to watching the sunlight stream in after the official opening this fall.



LET THERE BE LIGHT

As Earth moves around the sun. one hemisphere is tilted toward the sun and one is tilted away. From September to March, when the northern hemisphere leans away, the sun doesn't rise high enough to shine over the mountains surrounding the town of Rjukan in Norway.

inter, the North

RJUKAN, NORWAY

MOUNTAIN BLOCKING THE SUN 800 meters (2,600 feet)

Although the

BIOLOGY: CLASSIFICATION

CUTE NEW CREATURE

ay hello to the olinguito. At 0.9 kilograms (2 pounds), it's the smallest member of the raccoon family. It's also the first new carnivore species to be discovered in North or South America

People knew the animal existed-it had lived in zoos and even been catalogued by museums. But scientists had mistaken it for a different species until they took a closer look.

"It's remarkable that today, with so much technology and environmental degradation, there are still big surprises like the olinguito to discover," says Miguel Pinto, who studies mammals at the American Museum of Natural History in New York City. -Jennifer Abbasi

Volume of molasses, in gallons, that recently leaked from a pipeline into the ocean near Honolulu, Hawaiikilling thousands of fish.

Number of

to the Netherlands-based project Mars

One, as of September 2013. Several people will be chosen to travel to Mars in 2022and never return to Earth.

olinguito is

a carnivore,

mostly fruit.

it eats

Number of personal

Facebook accounts to which agents from 74 governments requested access in the first half of 2013 as they investigated crimes like robberies and kidnappings.

Length, in meters, of a sushi roll made by hundreds of kids at a festival in Tokyo, Japan.



Height, in meters, of the largest domino tower ever built. It took structural engineer Tom Holmes 7.5 hours to build it in Bristol, England.

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450 meters

(1,500 feet)