



MOON SMASH-UP

cientists have long been puzzled as to why the two sides of the moon look so different. The side facing Earth contains mostly rocky plains, whereas the far side is mountainous. A new theory, dubbed the "Big Splat," could provide the answer.

About 4 billion years ago, our moon may have had a sister moon that shared the same *orbit*, or path, around Earth, says Erik Asphaug, a planetary scientist at the University of California, Santa Cruz. His computer simulations show that a collision between the moons caused the companion to flatten out and stick to our moon. The crash could have created the different lunar landscapes. "This would mean that part of our moon may actually be made of a smaller moon that went SPLAT," says Asphaug.

-Rachelle Burk