## ONTENTS

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FRONT

**FEATURES** 

VISIONS

## CARVED BY LAVA

**EXPLORE** Progress: 3-D paintings,

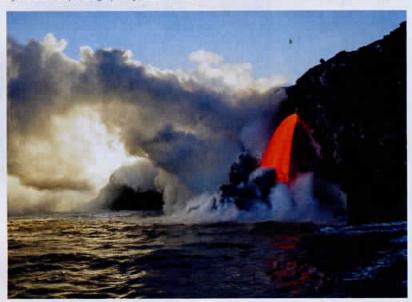
Centuries of eruptions have created hidden networks of caves under Hawaii's volcances. Below, lava flows out of one of the underground passageways into the sea. By Joshua Foer, Photographs by Carsten Peter

diverse comics, holograms

## STARTALK



Neuroscientist and TV star Mayim Bialik on the status of women in STEM fields.



On the Cover A polygraph allows its operator to compare a person's physiological responses - such as changes in breathing, blood pressure, or pulse - when telling the truth versus lying. Originally introduced in 1921, these instruments may help indicate when people lie, but scientists are still exploring the question of why people lie. National Geographic photo illustration

**Corrections and Clarifications** Ga to natgeo.com/corrections

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In the age of social media, separating truth from lies may be harder than ever. By Yudhijit Bhattacharjee Photographs by Dan Winters

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PHOTO: DUUG PERRINE, LAVA OCEAN TOURS