

New Scientist

WEEKLY September 10-16, 2022

WHY FATIGUE STRIKES
AND HOW TO TACKLE IT

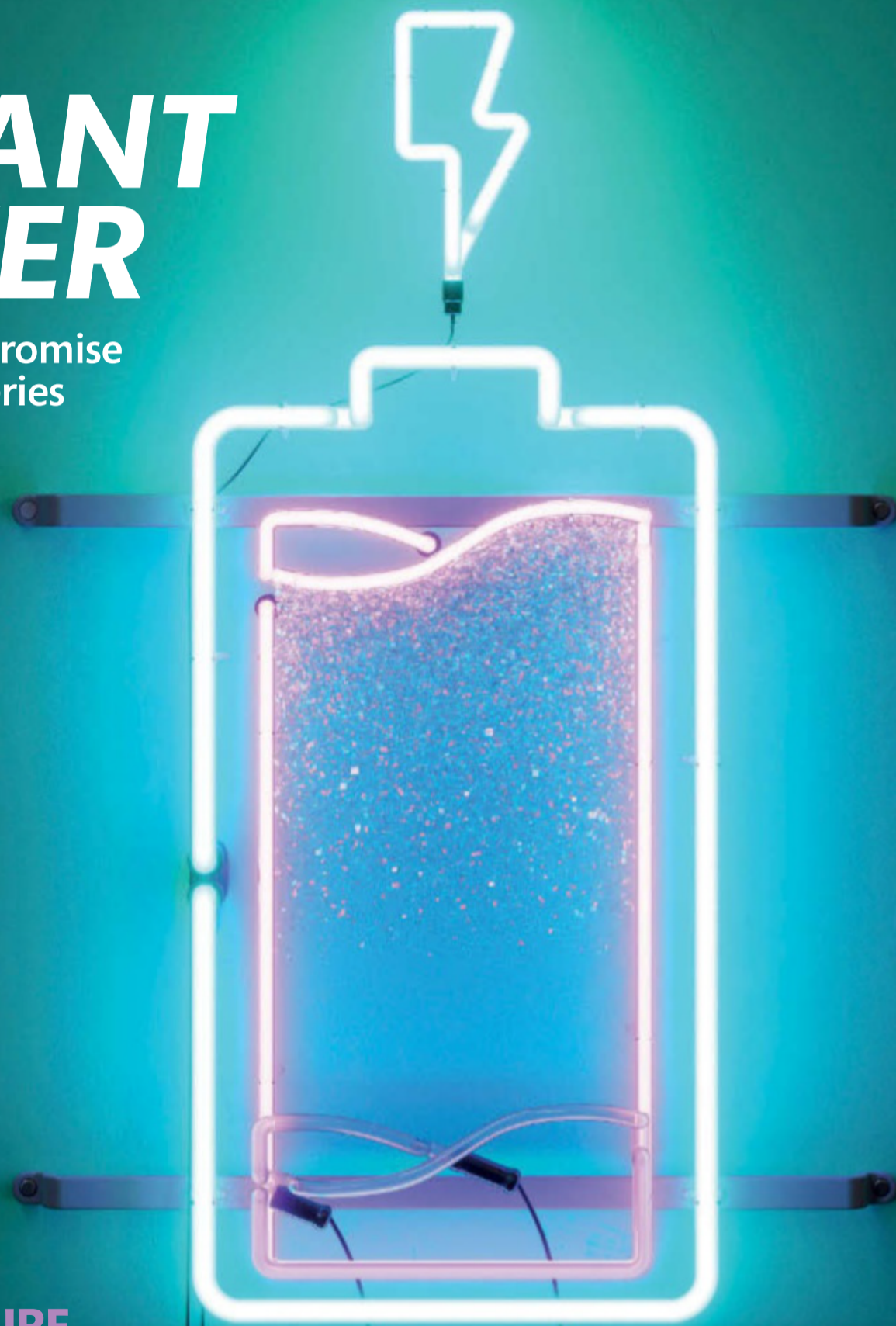
THE POPE'S ADVISER ON
ARTIFICIAL INTELLIGENCE

JAMES WEBB PROBES
ITS FIRST EXOPLANET

YOUR GUIDE TO BEING
A GOOD ANCESTOR

INSTANT POWER

The electrifying promise
of quantum batteries



CARBON FAILURE

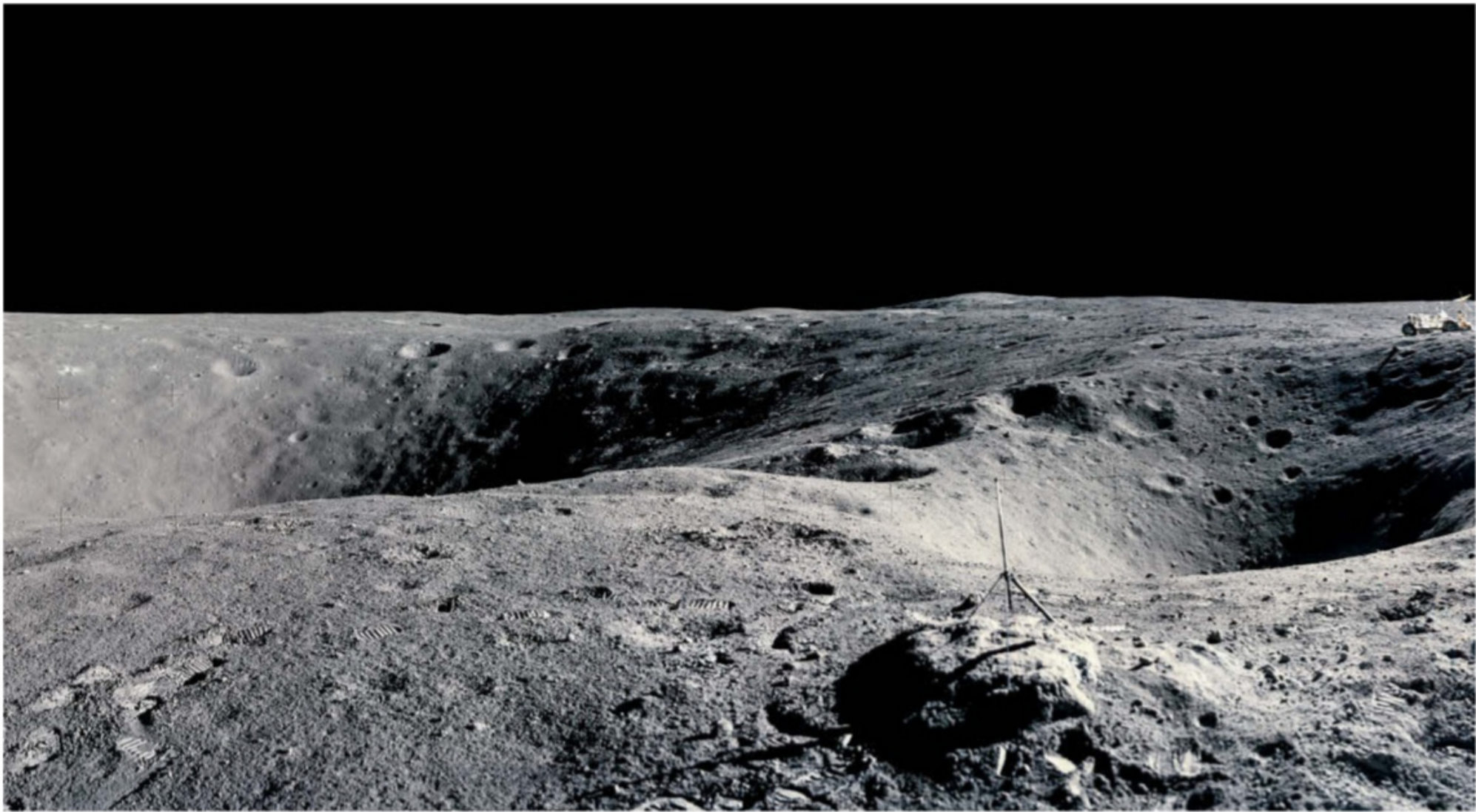
How capture and storage facilities are underperforming

PLUS TURNING PLASTIC INTO DIAMONDS / COLDEST MAGNET /
30 SECONDS OF NUCLEAR FUSION / MAKING OXYGEN ON MARS

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LOWER L + R + TOP: NASA/JSC/ASU/ANDY SAUNDERS

ANDY SAUNDERS (DIGITAL SOURCE: STEPHEN SLATER)



Moon shots



Publisher Particular Books

THESE are the Apollo lunar missions like you have never seen them before. Taken from the new book *Apollo Remastered* by Andy Saunders, these illuminating images have been produced by enhancing original material to reveal new details of NASA's forays in the 1960s and 70s.

Its programme is best known for putting the first humans on the moon in 1969 during the Apollo 11 mission, though it comprised 14 missions in total that covered everything from testing technology to collecting lunar samples. Saunders, who specialises in NASA digital restoration, created the new high-definition images from scans of 35,000 or so originals preserved in a frozen vault in Houston.

The moon's cratered surface is laid bare in the panoramic top picture, taken during the Apollo 16 mission in 1972 and showing astronaut Charlie Duke, the youngest person to walk on the lunar surface at the age of 36.

The bottom row shows (left to right): NASA astronaut Dave Scott during the Apollo 9 mission in 1969, with the Apollo spacecraft and Earth reflected in his visor; cue cards made by Apollo 8 astronaut Bill Sanders to document the upcoming mission of testing the spacecraft in the moon's orbit; and a shot of Apollo 9 commander James McDivitt performing the first docking (or joining) of two crewed spacecraft. Saunders writes that this is the only photo of an Apollo astronaut in their full suit and bubble helmet during flight. The reflections of Earth, and the docking window, can be seen on McDivitt's helmet. ■

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