

New Scientist

WEEKLY 21 June 2025

VERA RUBIN: THE TELESCOPE
TRANSFORMING OUR
VIEW OF THE UNIVERSE

THE SECRET MICROBIOME
IN YOUR SMALL INTESTINE

PARALYSED MAN'S
BRAINWAVES TURNED
INTO INSTANT SPEECH

DOES SPACE-TIME REMEMBER?

The answers to the biggest mysteries of the cosmos
might be imprinted in its very fabric

PLUS CYBORG TADPOLES / **EXTREME INSECT PETS** /
AGATHA CHRISTIE'S POISONS / VACCINES AGAINST TICKS /
3D-PRINTED BLOOD VESSELS / **THE SCIENCE OF REVENGE**

No3548 £6.95 CAN\$9.99



Saving a species

Sea star larvae have been cryopreserved and reactivated **p9**

Ghost plumes

There may be hidden columns of hot rock in Earth’s mantle **p12**

Space-time in the lab

A fluid-like form of light can help us study black holes **p14**

Martian discovery

We may have found, and sampled, a new volcano on Mars **p15**

Reverse the damage

Gene editing could help us treat kidney disease **p17**



Solar system

Shadows and light

A close dance between two satellites has created the first artificial solar eclipse in space. The European Space Agency’s Proba-3 mission consists of two craft: one blocks most of the sun’s light for the other, which takes photos of the corona – the outer atmosphere of our star. This image shows the corona in visible light, similar to how our eyes would see it through a green filter during an eclipse.

ESA/PROBA-3/ASPICS/WOW ALGORITHM