

Hello and welcome to this, our terrifically tantalising **TIME TRAVEL** issue.

If you could visit any other moment in time – past or future – where and when would you choose? You could literally pick anything, at any time. I know, right? What a question!

Would you visit the court of Elizabeth I and play WORDLE with William Shakespeare? Perhaps you'd rather party in the glamorous Tang Dynasty, or whizz into the future to see what's for tea in 3033? Why not write to us and let us know. Personally I think I'd pick that last one. The chance of meeting an actual extra terrestrial is simply too strong an incentive, plus I always want to find out how things turn out. I'm nosy like that.

We had an absolute BLAST creating this issue and we hope you enjoy everything it has to offer. Don't forget to subscribe to our newsletter and check out our website for loads of extra goodies, including:

Make your own theme tune, like electronics icon Delia Derbyshire

Disappear into Astra's wondrous **wormhole word search**

Create a time-traveller character with team Wordworm

Try your hand at **cave painting**, with Polly Chrome
You've heard of Guess Who! Now play our time-travel game, **Guess When!**

Freya Hardy, Ed

We hope you have a jubilant July and an awesome August. See you back here in September for another time-travel trip. This time we're off to petrifying Pompeii!



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Pack your bags

Traversing primordial swamps, impressing Egyptian goddesses, hanging out with martians – embarking on a time-travelling mission requires grit, determination and a whole ton of STUFF. So, what will you put in your kit? It's decision time.

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Your birthday in SPACE!

How will humans track time when they live on other planets? **How do Mars rover operators make sure they're never late for work?** What's your age in Venusian years? **Astra's** here to answer all these questions, and more!

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Big, silly shenanigans in time and space

Fancy drawing an imaginary family tree? How about getting a Saturday job in a Viking hair salon, or playing a game of Guess the Goop Monster? Check out our special bumper activity pages for loads of fun ways to explore this month's theme.

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Polly's making a time machine with buttons, blippets and bloopers galore.

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Yasss queen!

Historian **Dr Janina Ramirez** is here to take us on an adventure in ancient Egypt, and this time it's all about **goddesses**.

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Make a model mass spectrometer

Did you know trees can tell us the weather going back thousands of years? Yep! You better beLEAF it.

Harvey's going **CARBON DATING**.

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Oskar the Viking has come to Salisbury Plain to do two things; impress Ivar the Boneless, head of the Heathen Army, and score a lovely gold brooch for his mum. Will he achieve his goals, or is he going home embarrassed and empty handed? Find out in **Kate Walker's** brilliant short story, *Oskar and the Giants*.

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From here to eternity

Philip, Phoebe and Shantel discuss the beginnings of the universe with **al-Kindi**, head librarian at the House of Wisdom. Welcome to the **Islamic Golden Age**.

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Charge your sonic screwdrivers

Aquila peers into the past at the life and times of **Delia Derbyshire**; electronic music pioneer and solid gold sci-fi LEGEND.

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Best foot forward

Can you unravel a twisted timeline and help Jumping Joyce use her shoes to leap into the future? Here's **Brainfeeders!**

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Back to the future

Hold onto your hats. We're exploring the history of time machines, from **H. G. Wells** to **Lucas Rizzotto**, via some truly weird and wonderful places.

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AQUILAnews bumper edition (and Ian)

PAGE 40

What's on the clock, Doc?

Calculata's making a futuristic sundial, for all your time-travelling needs.

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Slow motion

Slots might be slow but they're NOT stupid, in fact they're actually very clever, thank you. Find out more, here.

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Feel the squeeze

Astra's looking at **time dilation**.

PAGE 42

Wheel of fortune

Julian's decided to ride his grandmother's old exercise bike all the way from Seattle to the Florida Everglades, but he's about to learn a lesson even Alexander the Great had to accept; there are some things you simply can't out-peddle. Here's **Noah Weiss's** moving short story.

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You snooze, you...cruise?

Astra's investigating the science of **cryosleep** for deep space travel, here.

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It's true, but is it though?

Let's investigate paradoxes; the mathematical kind.

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They're called ARTEfacts for a reason

Drawing at a museum can be a daunting thing to do, but it's also a brilliant way to engage with the past. Check out artist and author **Lucia Vinti's** hints and tips for the best museum visit ever.

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Whiffs of wonder

You probably already know about conserving things like habitats, paintings, vases and books, but did you know there are scientists who preserve SMELLS? Neither did we.