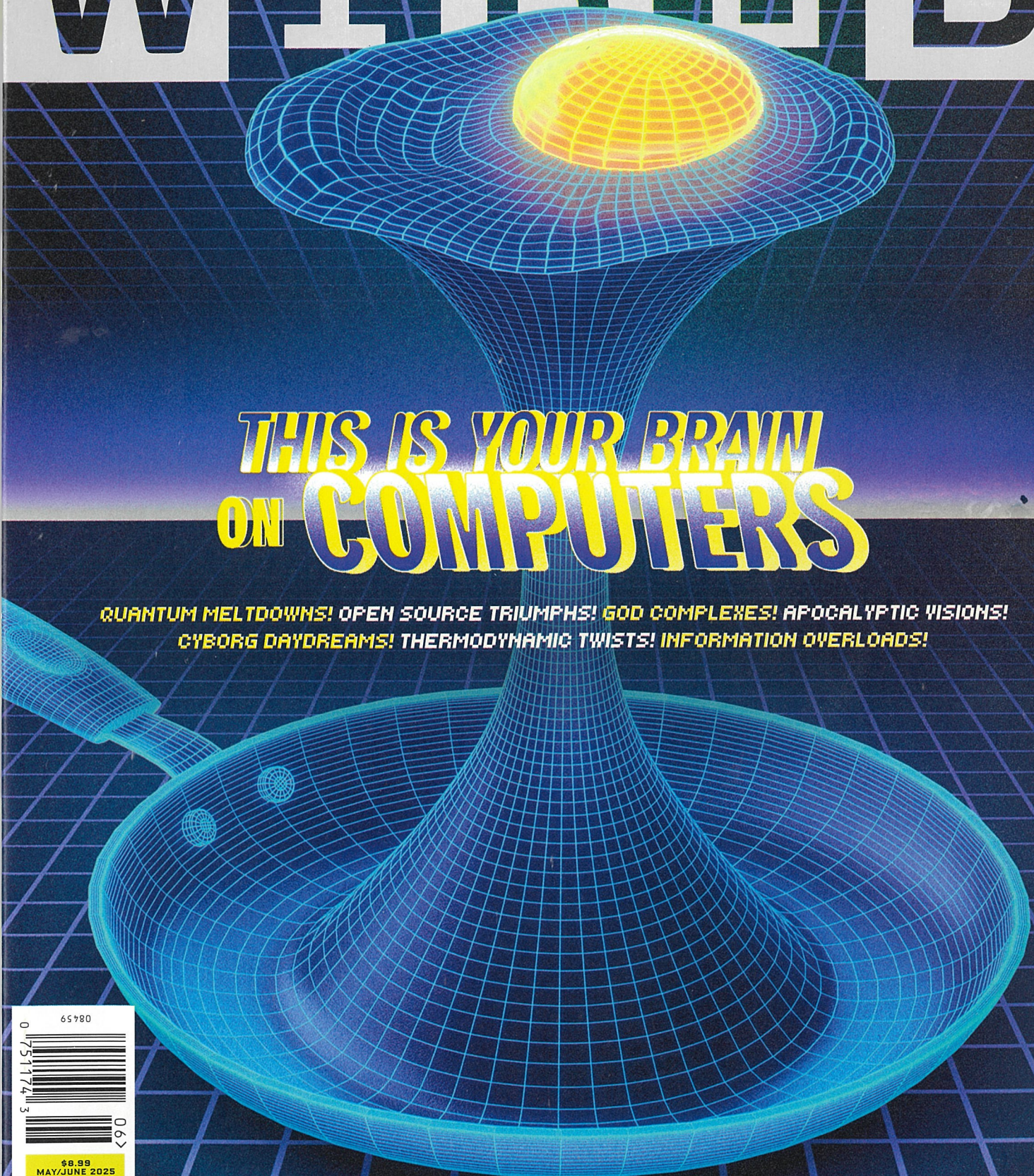


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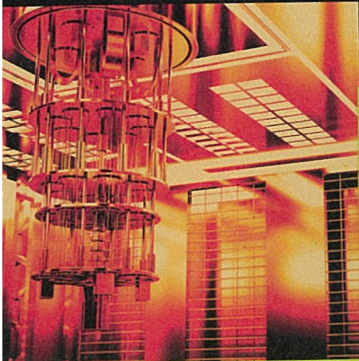
IS THE

MESSAGE

STORIES FROM THE FRONTIERS OF COMPUTING

Tech companies don't care whether you know how their products work. In fact, they don't *want* you to know. The more you assume technology is conjured into existence by a priest class of techno-mystics whose powers dwarf your own, the more you allow yourself to be controlled by it (and them). Don't let this happen. Though they seem to get more brain-fryingly complicated every year, computers are not, ultimately, magical devices. They are physics plus engineering, and they're easy enough to break down. In this special issue—which we've arranged along a computer's famous "layers of abstraction," from the bitwise logic of circuits and gates up to the fancy products themselves—we go deep inside the modern machine, where incredible things are happening. Freaky-deaky things, yes, but grokkable just the same. So take the plunge. It's time to get computers, people—before computers get you. —THE EDITORS

OPER
SYST



P. 18

ALL HAIL THE GOD OF THERMO HARDWARE

↓ by Will Knight

ARCHITECTURES

P. 8

THE QUANTUM HOLIDAY TO END ALL HOLIDAYS

↓ by Amit Katwala

GATES + CIRCUITS

P. 26

ANGELINA JOLIE WAS RIGHT: RISC CHANGED EVERYTHING

↑ by Jason Kehe

PHYSICS

P. 16

SCHRÖDINGER'S COMPUTER

← by WIRED staff

P. 24

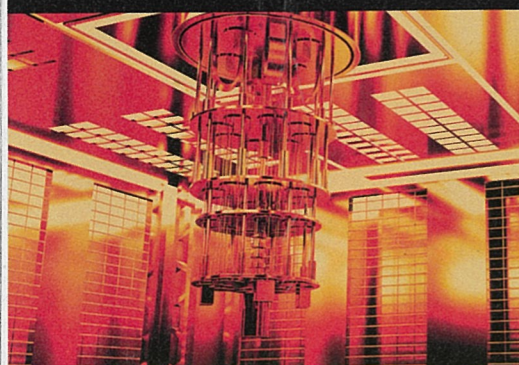
HOW MUCH DOES THE INTERNET WEIGH?

← by the Spectator

THE MACHINE IS THE MESSAGE

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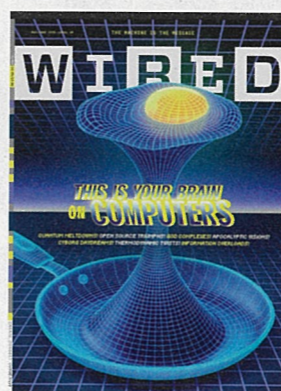
P. 24
HOW MUCH DOES
THE INTERNET
WEIGH?
←← by Samantha Spengler

PHYSICS

OPERATING SYSTEMS

P. 34
PROGRAMMING
AT THE END
OF THE WORLD
←↑ by Tiffany Ng

ON THE COVER



Drugs fry your brain like an egg, remember? We had one of our favorite illustrators, **Alvaro Dominguez**, reimagine that iconic bit of '80s propaganda for the digital age. Are computers the new drugs? After you're done with this issue, tell us how your brain feels.

P. 64
INSIDE ANTHROPIC
→ by Steven Levy

PRODUCTS

P. 52
THE IMPOSSIBLE
QUEST TO
SIMULATE A WORM
↔ by Claire L. Evans

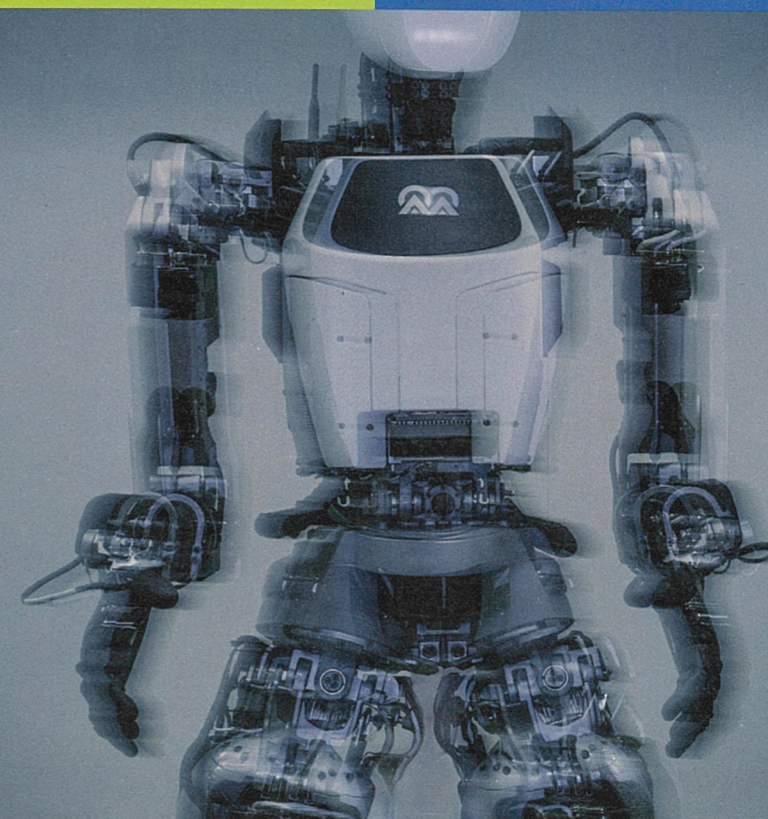
ALGORITHMS + APPLICATIONS

P. 56
GEAR THAT BOOSTS
YOUR HUMANITY
↑ by the WIRED Gear team

PROGRAMMING LANGUAGES

P. 48
HOW CODERS
REALLY USE AI
←↑ by WIRED staff

P. 44
MEET THE
ARXIVIST
←↑ by Sheon Han



P. 74
MAX IMPACT:
THE WORST 7
YEARS IN BOEING'S
HISTORY
by Lauren Smiley

P. 88
SIX-WORD
SCI-FI
by WIRED readers

