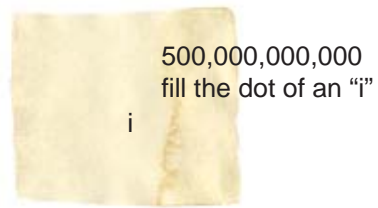


1 HOW TO BUILD A UNIVERSE



proton

2 WELCOME TO THE SOLAR SYSTEM



distance

3 THE REVEREND EVAN'S UNIVERSE



200 billion pounds

4 THE MEASURE OF THINGS



triangulation

5 THE STONE-BREAKERS



exceptional insight

6 SCIENCE RED IN TOOTH AND CLAW



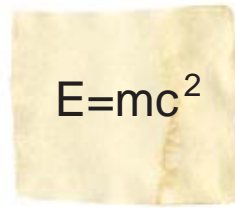
megalonyx

7 ELEMENTAL MATTERS



Mendeleyev

8 EINSTEIN'S UNIVERSE


$$E=mc^2$$

convert mass to energy

9 THE MIGHTY ATOM



500,000 atoms

behind one human hair

10 GETTING THE LEAD OUT

before



1923

after

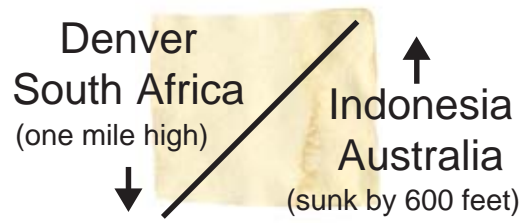
Patterson

11 MUSTER MARK'S QUARKS



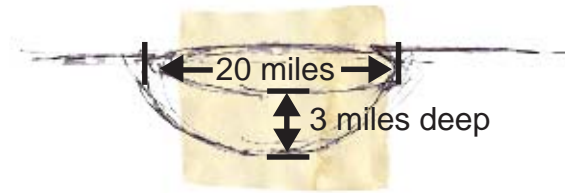
“Finnegan’s Wake”

12 THE EARTH MOVES



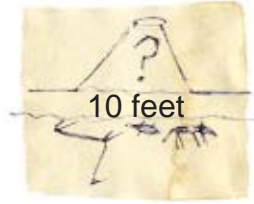
changing

13 BANG



Manson crater

14 THE FIRE BELOW



Nebraska

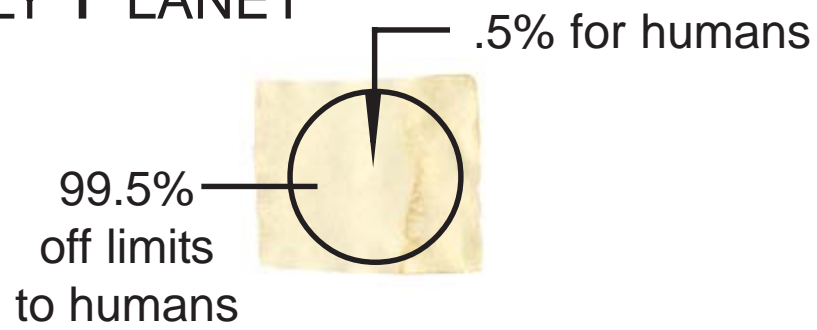
15 DANGEROUS BEAUTY



Yellowstone National Park

superplume

16 LONELY PLANET



world's habitable space by volume

17 INTO THE TROPOSPHERE



gaseous padding

18 THE BOUNDING MAIN



320 million cubic miles

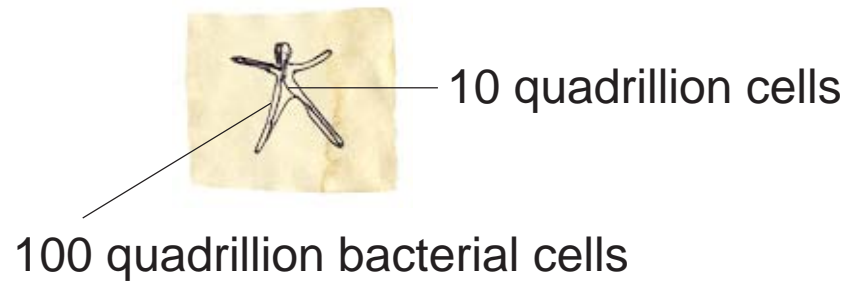
that's all...

19 THE RISE OF LIFE



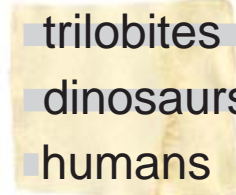
same primordial twitch

20 SMALL WORLD



one human body

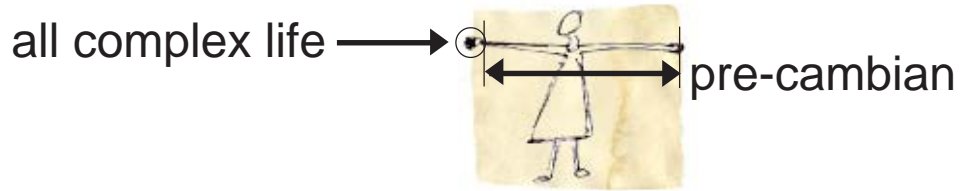
21 LIFE GOES ON



trilobites	300 million years
dinosaurs	150 million years
humans	1/2 of 1% (so far)

complex life

22 GOOD-BYE TO ALL THAT



“with the single stroke of a medium-grained nail file;
could eradicate human history”

23 THE RICHNESS OF BEING

2/3 of the world's
flowering plants



1/2 of the world's
animal life

6% of the earth's surface

tropical rain forests

24 CELLS



“reminds me of a monk’s cell”


Robert Hooke

25 DARWIN'S SINGULAR NOTION



species creation

26 THE STUFF OF LIFE



99.9%

genetic sameness

27 ICE TIME

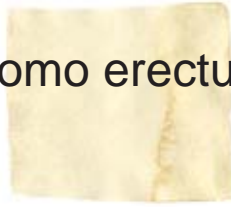
severe glacial episodes ||| in the last 2.5 million years



coincides with the rise of homo erectus in Africa

28 THE MYSTERIOUS BIPED

ape-like ← homo erectus → man-like



99.99999% of our history

29 THE RESTLESS APE



multiple migration

30 GOOD-BYE



extermination