ALSO BY BEN EHRENREICH

The Way to the Spring: Life and Death in Palestine

NONFICTION

FICTION
Ether
The Suitors



A ROAD MAP FOR THE END OF TIME

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Of an evening the owls come out.

—ARTHUR BERNARD COOK

In the third week of November, one year and six days after the election of the Rhino, I went for a walk with two friends. It was late afternoon. The light was soft, the shadows long. We parked the car on a dirt road about a mile from my house, shimmied under the wire that marked the boundary of Joshua Tree National Park, and walked up through a wide sand wash that I had hiked many times before. As it ascended, the wash would become a canyon: walls of lumpy, reddish stone would rise to the east and west, narrowing as the canyon climbed south into the park. We were following in reverse the path the rain had carved over the centuries as it trickled and sometimes raged down from the rocky hills into the flat, sandy basin below.

Not far from there, in late July, a young couple had gone missing. They were kids from the suburbs, but even if you know the desert it isn't hard to lose your bearings. Canyons fork and twist. The landscape plays tricks on the eyes. The light shifts and familiar

Perhaps they had simply wanted to disappear. their bones, or they had been abducted by some sinister stranger conversation I had in town: Maybe coyotes had already scattered scoured the area for weeks. The missing couple came up in every but most days it was still above 105. Search parties and helicopters terrain becomes suddenly alien. The summer had been a mild one

a day hike was apparently so normal that few of the news reports considered it worth highlighting. avoid a slower death. The fact that they had brought a handgun on to have gotten lost and, having run out of food and water, chose to Police didn't believe there was any malice in it. The pair appeared man had shot the young woman before turning the gun on himself. ities revealed that they had found a pistol at the scene: the young intertwined, embracing even in death. A few days later the authorthem. The corpses, the newspapers did not neglect to report, were I were hiking. The young woman's father led the group that found my house, and maybe a mile from the wash in which my friends and In mid-October, searchers found them a couple of miles from

nounced a single word: "Owls." wash—when K., walking ahead of A. and me, stopped. She prothe elusive scent of the desert willows that thicketed the floor of the Bannon or the lost hikers or Roy Moore banned from the mall, or yellow. I don't remember what we were talking about—maybe Steve tlebush were still in bloom, smearing the sides of the wash a brilliant September, and though no rain had fallen since, the senna and brit-But the summer had passed, the monsoons had poured down in

one, though, passed low enough that for an instant I could see its a broad arc and disappeared behind a hill to the west. The second it glided by above us, too big a thing to be so quiet. It soared off in silent. I barely glimpsed the first one: a flash of wide, white wings as They took to the air in a sudden rustling burst, and then went

> those bright, alien eyes. It circled once and flew out of sight to the flat, tawny face, the mottled white and brown plumage of its belly,

a bend. The owls were there, perched on a rock. They saw us first and again. I know at some point we talked about Lebanon and Saudi other left. We thought that was it and picked up the conversation went until we had to scramble over boulders to proceed. We turned there were just two. We kept walking, the wash narrowing as we owls had roosted in the rocks ahead of us, as if they were waiting for archduke this time? Who would kill him? K. stopped again. The requiring only the smallest flame. Who would play the role of the days, the contours of the next global conflict revealing themselves, the week before. All of that had filled me with a panic that lasted for Arabia, Saad Hariri's strange flight to Riyadh, Jared Kushner's visit flew off up the canyon. Again they separated, one arcing right, the K. thought maybe there had been three of them, but I was fairly sure us there. They flew off and again we watched in silence. Eventually we breathed. With all their circling and swooping,

admire a paper-bag bush in unlikely late-autumn bloom or a particmore quietly now, still surveying the crises of the day, pausing to and then walked on until we caught up with them again. We talked saying felt suddenly impertinent, and we fell silent until they flew off yards or so we caught up with them and everything we had been left or right, expecting to see the owls at every bend. Every hundred ularly bold and healthy cholla. And then the owls shut us up again. some more distant canyon and disappeared for good. I knew that we into a story and put ourselves at the center of the plot—and I found it's foolish, I know, but this is what humans do—we turn the world had been annoying them, that they were only trying to avoid us, and We saw them five times in all, maybe six, before they soared off into So it went. We scrambled on, following the canyon as it twisted

from the highway, away from the car. or to show us a path, one that led deeper into the wilderness, away ing us onward all along, that they were trying to tell us something, it hard not to imagine, or to want to believe, that they had been lead-

perhaps two, will write the very last word? What if the future does remain are too busy surviving to tend to the books and the servers? few drunks left mumbling in the corners? What if the humans who not include enough human beings to keep the conversation going? almost sacred thing that is bigger and deeper than any of us alone imagine. That was the conceit. Not progress but continuity, at least the immeasurable past and on into a future that you couldn't yet given moment, A. said, you could always tell yourself that you were called literature. No matter how pointless things may have felt at any ines and floods----to care about something we had once confidently disaster---glaciers melting, oceans rising, droughts and fires and famonce seemed so important. Or even, in the face of real, planetary What if literacy has a horizon, and it's near? Isn't it all just noise then? What if it drifts off like a party at the end of the night, with only a But what if it's going to end soon? What if someone in a generation. this stream of voices flowing through the centuries, this ancient, You could tell yourself that it was the conversation that mattered taking part in a conversation, an exchange that stretched back into ter faith in any of it, to care at all about lit-world battles that had and K. are both writers. It was getting harder, we agreed, to mustown's one Indian restaurant, the conversation turned to writing. A. Before we said goodbye that night, in the parking lot of the

to give that person something, just like all the times you had been someone in a hundred years would hear you, that you might be able astounding vanity of it, I added, had never felt clearer, this hope that still high from the walk and it felt good to say these things aloud. The I should add that we were laughing, or smiling, at least. We were

> to write when there will be no one left to read? Gossip squeaked between lemmings racing for the cliffs. Why bother today and tomorrow and even next summer, what is any of it worth? Even if The New York Times loves you and everyone reads your books milk. But without those strangers waiting for you, what is the point? cause you like the sounds it makes, like a child blowing bubbles into this delusion that you were doing anything other than babbling becontinents away who would need to hear what you had to whisper, labors might in turn be redeemed by strangers centuries and perhaps pages of books. How painful and absurd, this fantasy that your own lifted and redeemed by the whispers of the dead rustling through the

you and puts eternity in the foreground. If you're open to it, and different shape. The desert enforces its own perspective. It shrinks of it, but in the context of the walk we had just taken, time took a struction of everything we knew and loved. We didn't relish any talking about the end of time and the increasingly probable dedon't mind a diminished role in this drama, it insists, quietly, on not-formally-alive. the surging beauty of all things and non-things living and dead and Really, I mean it when I say that we were smiling. We were

since then: the strange, buzzing joy I felt standing in that parking lot I knew-though I couldn't have known-that I was stepping onto crazy, like I really was high, though I was entirely sober. It was as if saying goodbye and then driving home alone. Even at the time it felt I've thought about it many times in the months that have passed ing until at least a week later, and when I did I had no idea it would undertaken, that I didn't even know I was on. I wouldn't start writthe exploration and I were grateful for a journey that I had not yet the path that these pages record, as if the joy of discovery preceded become this book. I didn't intend to write a book at all, much less to I felt an unfamiliar gladness, soft and pressing, bubbling up.

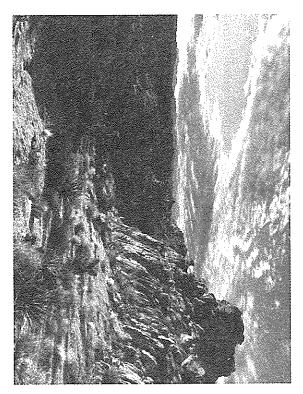
futures it might still be possible to build. live them, how we conceive of what has passed before us and of the it, the one that still rules most of our lives and determines how we wage a battle against time, or at least against a certain conception of

to be on the verge of collapse. this perilous moment, in which everything, time included, appears out, if I could, how those omissions and accretions led us to precisely new narratives invented for time to rule our lives this way. To figure we do. I would have to ask what histories had to be erased and what how it came to be shaped the way it is, and why we experience it as To fight against that notion of time, I would have to understand But that is what I did. That is where those owls would lead me.

preserving thoughts, ideas, memories, impressions, histories, myths. pictographs or glyphs or letters just like these, lines and arcs and loops that stand in for sounds and combine to form words capable of ture: the act of inscribing, typing, scribbling, carving, or painting writing I mean something more basic than what gets called literaus in time. It tries to. So that things won't fade too quickly. And by and I realized that time and writing are inseparable. Writing extends realm of the dead-you'll see it soon enough-and from there to and again. Weeks after I had left them, they led me to the Maya because I was trying to understand not just time but writing too, Hegel and Athena, and to the people who lived where I lived before ing. They disappeared behind the rocks and kept reappearing again violet light of dusk. But they didn't let me. They wouldn't stop flythe uncanny beauty of their flight, those late-autumn flowers, the wanted to be able to read back and remember what it had felt like they wouldn't fade too quickly. One day, if it occurred to me, owls. I wanted to pin them down like any other memory, so that I arrived there. I won't tell you the rest but I kept following them When I did start writing, all I wanted was to remember the

> and its present, and its battles over time, and over what it will fight all the immaterial substance of a culture, its battles over its own past

straight but sideways, backward even, and, like the owls, in silence, in broad and looping arcs. know how to tell the rest of me. Sometimes time moves like that, not I knew, and I felt happy. Some part of me understood, and didn't In any case, I couldn't have known, but there it is: somehow





Yesterday I came upon an article about something called "marine ice cliff instability." The idea being that as ocean temperatures rise and icebergs break away from the glaciers that cover West Antarctica, they reveal higher and higher cliffs of ice. If the cliffs reach a certain height, the ice will no longer be able to support its own weight and will begin to crumble off in giant shards. Enormous, skyscraper-sized icicles will splash into the sea, each one rendering the cliff behind it taller and more unstable and prone to collapse. In other words, it could all go very suddenly.

"The destruction would be unstoppable," the article pronounced. This could happen before the century ends. In the next twenty years even. It could mean that in our children's lifetimes, if not our own, the oceans would very swiftly rise eleven feet or more, nearly four times as much as previously projected. Mumbai would be inundated. So would Hong Kong, Shanghai, New Orleans, Jakarta, Lagos, south Florida, and Bangladesh. New York and London would not fare well. Not millions but hundreds of millions of people would be displaced.

I read an article like this almost every week. I don't look for them. They show up on my Twitter feed in the morning over coffee, with the day's eructations from the Rhino and funny alpaca GIFs and the latest

of the century, more than twice the 1.5-degree target agreed to in Paris cast that temperatures are likely to rise 3.4 degrees Celsius by the end in police killings. From last week, November 15: climate scientists foreof penguins have starved to death in Antarctica. In a colony of forty shaped. On October 13: French scientists announce that thousands that human civilization, and all life on the planet, will be radically rethree million years ago. Whatever happens, there is no reason to doubt reaching a level not observed since the mid-Pliocene era, approximately off, leaped in 2016 by more than 50 percent over the previous year, global emissions of carbon dioxide, which had appeared to be tapering world has ever seen." On October 30 there was another new report: predicts climate change will push tens of millions of people from their ber 2: a new report—I have come to fear the words "a new report" by every country in the world except the United States. From Novemthousand Adélie penguins, only two chicks survived homes in just the next decade, "creating the biggest refugee crisis the

I finished my coffee. I took a shower, got dressed, and thought about those owls.

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I remember, when I was a kid, staring at road maps, the kind you bought at gas stations and carried in the glove box, and that were, for me at least, impossible to properly refold. I remember looking at all those intersecting lines representing roads laid over and carved through the earth, dirt tracks and superhighways, the insolent grids of the cities. I wanted to follow them all to the end. I remember thinking that if you could get hold of all the maps for the entire country, or even the hemisphere, and spread them out side by side, it would be obvious that every road leads to every other road, that everything is connected. The dull suburban lane on which I lived would carry me eventually to rocky paths in Patagonia and the

needed to go. Oceans notwithstanding. impossible, really, to get lost. You could follow any road in any dicourse, lots of them, but assuming you were free to backtrack, it was rection and eventually, by however circuitous a path, get where you rutted logging roads that cross Alaska. There were dead ends, of

to earn praise, you had to learn not to see them anymore. one of them was right. The rest might as well not exist at all. To do well, obvious and inviting paths might lead from one point to another, only otherwise keep quiet. School meant grown-ups telling you that things education seemed to mainly involve learning to walk in single file and self-evident and that you knew adults would scoff at. What counted as had to be done in a certain way, and in no other, that however many to guard your thoughts, to hold close to ideas that seemed simple and I don't remember talking to anyone about this. As a child you learn

ways to see things, other stories, other routes. We didn't see, most of it. It helped us to forget that there were always other roads, other the story, and somewhere along the line most of us began to believe primitive infancy to the heights of rational civilized society, and that straightest route available—the only one, at that—from a pitiable endeavor. That our society had evolved over the millennia via the ent way of going about things, was a childish and even dangerous toys. That to question this, to strive to imagine any radically differalongside it, and prosperity, equality, freedom, and endless high-tech correct. For decades we have been told that political maturity meant us, that the path we were on would lead us here, into this cul-de-sacour only option was to continue to climb the same path. That was accepting that there were no alternatives to the world in which we Now the asphalt is melting, and falling away beneath our feet. That economic growth was limitless and democracy would advance lived, that no deviation was possible from the path that we were on I've had some time to think it over and I'm convinced I was

> ries, and listening to them—perhaps especially to the ones discarded we started, or where we've ended up. This means telling other stoof reading. By "we" here I mean nearly all of us, no matter where other ways of thinking, living, seeing. Other ways of writing, and try, in a hurry now, to imagine things differently: other worlds, long ago, and to the ones told by people whose paths collided with can get to become something else. ter or smarter that we should listen-though some of them may that encounter intact. It's not because anyone else was so much betthat of the society in which we live and who did not make it through have been—but because they are not us, and we need all the help we We have no choice but to scramble to retrace our steps and to

the desert now, and I saw owls, so I will follow them. blow past you on the wind, you could follow that too. But I live in could follow it and see where you end up. If you saw a plastic bag you saw a crow fly by the window as you were reading just now, you road we want, so long as we pay enough attention along the way. If nected. If we hurry, we could follow almost any route, really any There's not much time, but remember that all roads are con-

of the owls that are supposed to be native to the area look like the eared owls reside anywhere near Joshua Tree, California. But none dusky, mottled faces. The internet, however, suggests that no shortcopy of the Sibley Field Guide to the Birds of Western North America As far as I can figure they were short-eared owls. The drawings in my other kind of owl. Or I dreamed it all. Or the owls dreamed me. ones we saw. So maybe they were migrating. Or they were some looked just like them. They had the same dark-rimmed eyes and

that he was confident they were barn owls. Maybe so, but when they Later A. told me that he saw them again in that same wash and

first flew over our heads and we were standing, jaws at our navels, gawking, among the willows in that wash, he had mentioned another kind of owl. A. lived for a while in Guatemala and has read almost everything. His first thought that afternoon was of the *Popol Vub*, the so-called "Council Book," which records the creation tale of the K'iche' Maya. "Remember the owls in the *Popol Vub*?" he said, still grinning. "Messengers from the lords of the dead."

I had skimmed it years before, or thought I had, but I didn't remember any owls. Later I looked them up, and kept looking things up. I was curious, though that may be too polite a word for the hunger that I felt. I wanted to know where the owls would take me. I started with the *Papal Vub*. I read it twice, in two translations, and I kept reading everything I could, following whatever paths opened themselves up to me. The *Papal Vub* mentions four kinds of owls. Or better put, four owls. They served as messengers for the Lords of Xibalba, the Maya underworld. The Lords were a nasty bunch, devoted to the torment of humans. There were two whose work it was "to make men swell and make pus gush forth from their legs," two who made men "waste away until they were nothing but skin and bone and they died," two who caused men to suddenly begin vomiting blood until they died on the road as they walked.

Xibalba was not quite Hades or Hell, but an entire dimension of terror with its own detailed geography of punishment: awful mountains and rivers of blood; a house through which a cold wind blew, "where everybody shivered"; another filled with giant, murderous bats squeaking and screaming and flying frantically about; another teeming with knives that could dart through the air without a hand to hold them; a "house of gloom" in which there was only darkness. This was not metaphor. Xibalba was a real place, somewhere in the West. You could get there through a cave or a *cenote*, one of the underground springs that dot the Yucatán

Peninsula, or by following the "Black Road," the dark cleft at the center of the Milky Way, all the way to the horizon.

But the owls. They make their first appearance in the *Papol Vub* when the Lords of Xibalba become annoyed with two brothers named One-Hunahpu and Seven-Hunahpu, who, like many young men, did not like to do anything but throw dice and play ball. One day the brothers were playing ball on the road to Xibalba. They were making lots of noise. The Lords, furious at this show of disrespect, dispatched the owls with a message for them, at once a summons and an invitation: "They must come here to play ball with us so that they shall make us happy," the Lords told the owls.

The brothers obeyed. What else could they do? The Lords of Xibalba amused themselves with a series of unpleasant tricks, like inviting the brothers to sit on a bench of burning-hot stone—they found this quite hilarious. Then they murdered them. Before they buried them, though, they took One-Hunahpu's head and hung it from a tree that had until that day always been barren. Instantly the tree was heavy with fruit. The Lords of Xibalba issued an edict: no one should ever eat from the tree or even sit beneath it.

Such edicts are inevitably defied. Word got around. A young girl named Xquic, which means Blood Moon, heard about the miraculous tree. Imagining that its fruit must be impossibly sweet, she decided to seek it out, to taste it. They are rare, but there are people like Xquic everywhere, fortunately, people who defy the edicts of the powerful, whose curiosity rejects all constraints. When at last she found the tree, and stood beneath it, the skull of One-Hunahpu, which still hung from its branches, asked her what she wanted.

"These round things hanging from the branches are nothing but skulls," it said. "You don't really want those?"

"Yes," she said. "I do."

"Okay," said the skull. "Just hold out your hand."

palm, and Blood Moon became pregnant. With twins, of course. When she reached out her hand, the skull dribbled spit into her

is taking us-some of us, anyway-to a better place, in which the miracle of reason yields universal happiness, comfort, and health? few thousand years on a clunky sort of spaceship called progress that which without realizing it humankind has been riding for the last creator again and again and suffer unending sorrows? Or the one in known as "free will," which condemns us, by and large, to reject our whom we murder and reject, but a strange and mystical substance hensible divine love gives us not only his despised half-mortal son, one about the god who loves us absolutely and out of incompre-This is an odd story, I know. Is it any odder, though, than the

he ordered them, and bring her heart to the Lords of the Dead. to sacrifice her to them. So when Blood Moon protested to her father to the Lords of Xibalba that his daughter had been disgraced. They that she had never slept with anyone, he brought in the owls. Kill her, instructed him to question her and, if she refused to answer honestly, Seeing that she was pregnant, Blood Moon's father complained

girl was able to convince them that their orders were unjust. They been ordered to take her heart to the Lords. would like to help, they told her, but what could they do? They had The owls carried Blood Moon off to Xibalba. As they flew, the

Blood Moon. Then they flew up out of the abyss, abandoning their to the Lords of Xibalba, who were satisfied that it belonged to and formed until it resembled a heart. The owls brought this heart as red as blood. They shaped the sap into a ball, which they pinched urging, rebelled. They cut into the trunk of a tree with sap that ran kill men." She was persuasive, and she was right, so the owls, at her "Neither is your home here, nor must you let them force you to "But my heart does not belong to them," Blood Moon said

> avenge their father, and topple the dominion of the dead. masters to join Blood Moon again. She would give birth to two boys, Hunahpu and Xbalanque, the trickster hero twins of Maya lore who, after many trials, would humiliate the Lords of Xibalba,

counting on it. how apparently unambiguous, can mean more than one thing. I'm one message and return with another. A single message, no matter nal. Messengers do not always obey. Owls can be dispatched with This is a long way of saying that sentences are not always fi-

sources, the growing "dead zones" in the seas, the destruction of the or on the news. I only found it just now while googling to check to extinction by the end of this century." many current life forms could be annihilated or at least committed forests, and the unleashing of a "mass extinction event . . . wherein noting the rise in carbon emissions, the depletion of freshwater rethan fifteen thousand scientists signed a "Warning to Humanity" the facts in the section about the ice cliffs. On November 13, more I almost forgot the letter. I didn't see it on Twitter, or in the papers,

adopting" renewable energy sources while cutting back subsidies to of their warning, their proposals felt quite modest, perhaps not engestions for the sort of sustainable management of the earth's rereduce wealth inequality," etc. With one exception-"increasing the fossil fuel industry, "revising" the global economy in order "to ing human fertility by ensuring access to birth control, "massively the planet, "promoting" a shift to a largely plant-based diet, reducreserves to restore forests and native plants, "rewilding" swathes of tirely adequate to the task: "prioritizing" the establishment of vast sources that might save us if enacted in time. Given the urgency The scientists urged political leaders to act and made some sug-

outdoor nature education for children, as well as the overall engageditures, even that latter prescription would be a hard sell inconceivable. Given budgetary restrictions on nonmilitary expentheir suggestions was, in the pragmatic terms that politicians favor, ment of society in the appreciation of nature"—every single one of

step, compromise by compromise, things are getting better. should know, and be comforted, that however it might seem, step by to hurry it along, to demand justice, or much of anything, but we god. Time has a shape and a direction. We might not be able to see bends toward justice. We could have faith in progress if no other which he borrowed from Martin Luther King, the arc of history we should not fret because, to borrow Obama's other favorite line, to ask for more would be divisive and ultimately disastrous; that nal politics can provide only incremental change; that any attempt of ruling bureaucracies around the world for decades: that a ratiowas replaced by the shitty a long time since, this was the mantra of the good." No matter that the good slipped off along the way and to Xibalba.) Barack Obama's favorite line: "The perfect is the enemy tomed to politicians telling us that we must be practical and modest, the arc in its entirety, and we should not be so bold and foolish as that we should not expect too much. (Don't make noise on the road Until the Rhino* upended everything, we had grown accus-

tate the Lords who profit from it—led us to this precipice, and the cold refusal to make any demands that might upset the system—and irri-So the dogma goes. Or so it went. But those compromises, that

will usher us straight down the path that leads to our own deaths. ing pragmatism carried us here. The minimum necessary for survival winds spiraling up from Xibalba. Decades of scrupulous and unrelentnow counts as madness. The courses of action still deemed practical

of all a way in. arcs, hidden by the dusk, suggesting new paths and retracing old ones all at once. Pragmatism reeks. I want out. A way out that is hrst The owls flew away. They didn't fly straight but swooped in long

whole again. They killed a man, cut out his heart in sacrifice, and as magicians, they returned to Xibalba and worked many miracles dying and then coming back to life. They jumped into a bonfire, In the end, Hunahpu and Xbalanque overcame the Lords of Xibalba one by one!" And so they did. couldn't get enough. "Now do us!" they shouted. "Cut us into pieces, hearts on the grass, and then returned to life. The Lords of Xibalba brought him back to life. They killed each other, threw each other's for the pleasure of the Lords. They burned houses and made them "they changed back into handsome boys." After five days, disguised in a river. But they had it all planned out: at the bottom of the river burned to death, had their bones ground to powder and scattered by repeatedly faking their own deaths. Or, better put, by actually

other in the language of the K'iche' Maya, rendered phonetically who recorded the text in twin columns, one in Spanish and the the early 1700s by a Dominican monk named Francisco Ximénez, that has been passed down to us was translated and transcribed in only texts in existence that records its own destruction. The version found, but archaeologists believe it was likely an older manuscript in Roman letters. The source the monk copied has never been Death is not always an end. The Popol Vuh may be one of the

zying weakness of character, and does not deserve to be tarred by this analogy. eros, which shares none of the president's malevolence, deceitfulness, and diz-Rhino, whatever he may intend, only ever wrecks things. But however noble it may be, the rhinoceros is not a delicate creature, and the * I owe an apology, I realize, to that otherwise marvelous beast, the rhinoc-

most charming, and the handsomest of Hernán Cortés's lieutenants. lier by the conquistador Pedro de Alvarado, the most trusted, the Kiche' capital of Utatlán, which had been leveled fifteen years earpossible is the fact that the surviving text refers to the city of Santa Cruz, the name bestowed by the Spanish in 1539 to the former fidence to the mid-1500s. Among the clues that make that dating in phonetically rendered K'iche' that can be dated with some con-

and well-being of that land, I burned them and I ordered the city burned and razed to its foundations." "As I knew they bore ill will to His Majesty, and for the tranquility visit him. On March 7, 1524, they complied. Alvarado later testified: with stone walls and narrow streets. Instead he invited the kings to He refused to leave the plains beneath the capital, which was as terms of their surrender. Perhaps correctly, Alvarado feared a trap. senger to Alvarado. They had invited him to Utatlán to discuss the much a fortress as it was a city, high in the hills above a deep ravine, him on the battlefield, the two kings of the K'iche' had sent a mes-Realizing after two profound defeats that they could not beat

cient times, has disappeared. So it is, then, that everything about the Kiche, which is now called Santa Cruz, has come to an end." because the original book [the Popol Vuh], which the kings had in anwas the existence of the K'iche', which can no longer be seen anywhere, lost. The book ends by mourning its own disappearance: "And such task performed with the awful knowledge that nearly everything was holocaust, copied out hastily and hidden from the invaders. It was a Vub was likely transcribed in the years that immediately followed this The manuscript from which Francisco Ximénez copied the Popol

Far from it. The K'iche' understood that their world was ending. At We are not the first people to believe we are living at the end of time.

> someone else's world slower to catch up. That apocalypse is always with us: all the joy and the desert Southwest, where I now live, Armageddon would be mically. For the inhabitants of the Great Plains of North America the close of the nineteenth century, so did most of the people who some point between the arrival of Europeans in the late 1400s and that I take from this land has been contingent on the destruction of K'iche' and the Inca and many others it came quickly, and cataclyshad been living in the Western Hemisphere. For the Aztecs and the

are littered with the remains of dead civilizations, people for whom enough to do it that time. Which is to say, the same things that will Spaniards, firearms, or smallpox. Drought, deforestation, soil degof their empire were precipitously abandoned without any aid from collapse, in the ninth century, when the sophisticated lowland cities stone, and baked clay can last a few thousand years, long enough to the world has ended and the circle of time has closed. Why should tence here depends. The first few meters of the surface of the planet many, a fatal inattention to the fragile web of life on which our exislikely do us in: the greed and blindness of the few, the hungers of the radation, and, perhaps, the arrogance of an unresponsive elite, were keep the archaeologists in grant money for a little while longer. we be special? Bones, tissue, hair quickly become soil, but metal, It is not always so violent. The Maya had experienced a previous

and close readings of the Book of Daniel led him to predict-and same date of the following year history would end, and Christ would the Baptist preacher William Miller, whose calendrical calculations ets proved premature by the failure of the rapture to arrive. Recall to believe-that at some point between March 21, 1843, and the his many thousands of followers from New England to Australia that their world was ending, countless chiliastic sects and proph-There have been plenty also who were too hasty to conclude

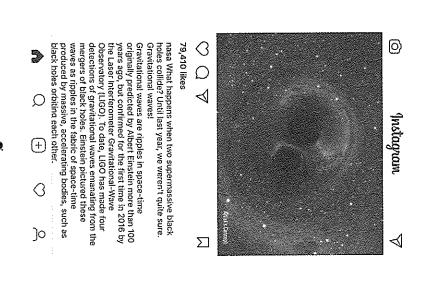
the faithful, a world really did come to an end. in the despair and disappointment that fell upon the thousands of would come in autumn, he was positive this time, on October 22. teenth, Miller realized that he had fudged the math again. Christ month, to April 18. Still earthbound on the morning of the nine-But Christ did not come, not that fall and not any season since, and he revised his calculations, nudging the date forward by one lunar return. When that twenty-first of March passed without incident,

but ourselves. the Mahdi or the Martians. It's worse than that: no one can save us thing. But then I don't think Christ is coming, or the Messiah or I, on the other hand, will be thrilled if I am wrong about every-

and abused them, so the twins turned them both into monkeys. were jealous of their younger half brothers, the twins, and neglected other sons are regarded as the patrons of artists and writers. They unfortunate trip to Xibalba, from which he did not return. Those Hunchouen, who were born before their ball-playing father took his Since I am writing here in part about writing, it is worth adding that Hunahpu and Xbalanque had two older half brothers, Hunbatz and

quivering, 1.8-billion-year-old remnant of two black holes colliding. detectable wobble in an otherwise unremarkable transmission, the waves rippling through space-time. They arrived as an almost unmers were able for the first time to record the shape of gravitational tion of two black holes colliding in space. In September, astronopost from the NASA account. The image was a computer simula-A few days ago, scrolling down my Instagram feed, I paused on a Someone had animated a video depicting two black holes circling

> looked like the face of an owl of fifty-three suns. The Instagram post was a still from that video. It tually and very suddenly combined into a single black hole the size dragging the stars around them into furious orbit until they evenone another like boxers looking for a gap in each other's defenses,



Orion, the Big Dipper, the Pleiades. to learn anything beyond the most easily identifiable constellations: rented cabin here, I had lived in cities all my life and never managed learning the stars. Except for a few periods of a month or two in a When L. and I first moved to the desert, we set ourselves the task of

L. is more disciplined about these things than I am, so every night we bundled up—it was early winter then—stood outside the house, and studied a new sector of the sky. We extended the diagonal line formed by Orion's belt down to Sirius, in Canis Major, and up to Aldebaran, the brightest star in Taurus. (John Berger: "One can lie on the ground and look up at the almost infinite number of stars in the night sky, but in order to tell stories about those stars they need to be seen as constellations, the invisible lines which can connect them need to be assumed.") We learned to imagine a line between Orion's right foot, Rigel, and his left shoulder, Betelgeuse, and to follow it out to Gemini, the twins—not Hunahpu and Xbalanque but Castor and Pollux, both harched from the same shiny egg after Zeus, taking the form of a swan, raped their mother Leda.

The weeks passed and the winter progressed. We traced a new line between the two stars on the inside of the Big Dipper's bowl and followed it to a great backward question mark that had not been visible a month before and that formed the mane and shoulder of Leo. Later, in the spring, we watched Scorpius and Sagittarius rise and set and saw how the constellations of the zodiac—and the planets and the moon—travel along an established path, a sort of highway across the sky, the ecliptic, which sways a little as the year progresses, and then sways back again. We read what we could and watched videos on YouTube so that we could better visualize and understand what these movements meant, how they reflected the shifting position of the Earth in the universe, its tilted orbit around the star we call the sun.

I remember standing in front of the house and almost falling down in a moment of dizzying comprehension, staring at the Milky Way or the polestar and understanding with my body as much as my mind where we were in the universe and how and where we were moving. I felt like I'd been punched. More than with any political or philosophical revelation, the entirety of my perspective on

existence—which, despite all my convictions and everything I understood in the abstract, was nonetheless centered on the earth, and for the most part on this particular North American landmass, and on this minuscule body and the tiny and petty radius that extends from my eyes and thoughts and emotions—all of it shattered. I am only exaggerating slightly. I had my passport number memorized, my Social Security number and my street address, my PO box and zip code, but I had never known where I lived. Or where we are going. Whenever I arrive in a strange city I learn the basic layout of the streets as quickly as I can so that I don't do something stupid or get lost, but for my entire life I had somehow neglected to take this most fundamental step, one that humans had been taking for millennia.

I began to understand, as the Maya did, and the Greeks and Egyptians and Somalis and Indians and Sumerians and Chinese did, that time and space are inseparable. The sky is a clock, and a calendar is also a map. To know a date and a time is to know the positions of the planets and the stars, their relation to one another and to us. To know where the stars are is to know what time it is, what day and what year. Time is not an independent vector that pushes on, stubborn and cocksure, taking us to a place called the future. It lives in our bodies and in the stars, in the mountains that rise up from the sea floors, in the wind and rain that wash the mountains back into the sea. Everything moves. Mountains and oceans as well as stars. Orion disappears beneath the horizon in the spring and rises again in autumn, though I learned sleeping outside in the hammock on hot nights that even in August, he appears before dawn. If you stay up late enough, you'll see the next season's stars cycling past.

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Every method I can think of that human beings have devised for representing time depends on displacements in space. The hands of a

that we are not equipped to trace the path of its orbit. and all their violence are part of some larger cycle, one so immense supernovas, catastrophic disruptions that appear to halt the rhythmic flow. It is worth considering too, though, that those disruptions vibrations of the electrons in a cesium atom. Time is motion. It favors circles, spirals, and ellipses, but it also does not mind explosions, clock, the swing of a pendulum, the shifting shadow of a sundial, the

If only we could stay up late enough and see what rises next.

young wife to England. She sailed on the same ship that two years a son. He would be named Thomas. Later she was married to one she was raped while in the custody of the English and gave birth to home, in the English town of Gravesend. Rebecca Rolfe, born Pocahontas, died at the age of twenty, far from later would carry the first enslaved Africans to the Virginia colony. did not abduct her but traded her fair and square for a small copper John Rolfe and given the Christian name Rebecca. Rolfe brought his kettle. According to Mattaponi oral history, if not the English texts, kidnapped by a man named Samuel Argall, who later claimed that he tlement of Jamestown. When she was about fifteen, Pocahontas was of living a few miles from the site chosen by the English for the setthe Mattaponi chief Wahunsenaca, whose people had the misfortune Office likely knew that the historical Pocahontas was the daughter of time no one laughed. At least some of the people gathered in the Oval calling her Pocahontas, as he has on several occasions before. This could not resist a jibe at a senator who had claimed native ancestry, ceremony to honor two Navajo veterans of the Second World War, I read in the paper this morning that the Rhino, in the middle of a

tle that is unique about Pocahontas's story. She was far from the only Except for its extensive use in myth and marketing, there is lit-

> they took her and they raped her; she did not love him or any of them. shadow of a genocide, another narrative persisted, from mouth to ear: other history survived. Without books and without paper, in the long preserved in print and on celluloid to twist the tragedies that befell indigenous woman to be so abused. But alongside the many efforts her into the honeyed pap required for exonerative nation-building, an-

with our SUVs and our HDTVs, our outlet malls and our prison and our concentration camps for the immigrant poor. We are not archipelago, our active shooter alerts and fracking-induced earththan the rest. And by "we" this time I mean modern-day Americans It's nothing to be smug about, but it is possible that we are no worse slavery has, almost universally, been coeval with what we like to human sacrifice either, and the Aztecs made an industry of it. People that much worse anyway, perhaps. The Maya did not shy away from quakes, our escape rooms and tent cities, our forward operating bases spread of Homo sapiens across the Western Hemisphere coincided over the last couple of centuries but thousands of years earlier, with devastation: the ongoing, sixth wave of extinctions did not begin and even before the advent of agriculture left a legacy of enormous call civilization. Humans living before the rise of organized states onward have been even more brutally unequal than our own, and humans have in every other place. Most states from ancient Babylon throughout the Americas long before any Europeans arrived here, as fought wars and slaughtered and mutilated and abused each other and camels and oversize sloths—that some scientists have speculated with such a vast decimation of large herbivores-think mammoths likely thanks to human recklessness, on nearly every continent. The the extermination of species after species of large mammals, most that the resulting loss in atmospheric methane (herbivores do a lot

theory, anyway. More likely it was a meteor colliding with the earth drop in temperatures that lasted thirteen hundred years. That's one of belching and farting) was enough to alter the climate, causing a Worlds end all the time.

avoid our fate. Plenty of evidence would support these conclusions. a rogue species, a kind of poorly evolved virus that can't help but kill its host, some bipedal breed of demons, a curse, and that we cannot if you want, sigh and shrug and agree that humans suck, that we are to varying degrees, two-thirds of the volume of the oceans. We could area of the planet, destroyed 85 percent of its wetlands, and befouled We have transformed, and not for the better, 75 percent of the surface better. As many as a million species are now facing swift extinction populated the earth. The insects and amphibians aren't faring any eliminated 60 percent of the mammals, birds, fish, and reptiles that years—not even the heartbeat of a gnat on a planetary scale—we have never have we fucked up as we are fucking up now. In less than fitty All of this is to say that human beings have fucked up before, but

you know who I mean: we fucked things up for everyone. tion. West and North are hardly precise geographic terms here, but centuries' inheritors of what some folks still hail as Western Civilizapean descent living in what gets called the Global North, the last two tion of humankind-mainly Europeans and those, like me, of Euroon anything close to the scale forged by one relatively small subsecand change. (Not even the wing beat of a midge . . .) Or, I should say anything close to the scale that we have over the last two centuries all the time, no other humans have managed to be destructive on overhunting of mastodons and long-nosed peccaries and flat-headed wide eagerness to mistreat one another more or less everywhere and peccaries and giant beavers and gianter sloths, and despite our species not get us off this hook. Despite our Paleolithic ancestors' wanton Surrendering to inevitability can feel pretty good, but it does

> gering and warmongering and the mad, panicked bellows of the so is delusion. Among all the shrieking and shouting and fearmonform of narcissism. But if despair is an indulgence we cannot afford of other human beings. This is no small task, I know, but it will be massive exploitation of fossil fuels nor on the systematic exploitation of eternal, self-sustaining growth, one that is based neither on the some way to build a new one that does not depend on the illusion economy that brought us here and, while there is still time, to find insane. Murmurs and whispers at the margins, calls to unmake the as all those coal- and diesel-powered engines did myths, the ones that carried us here, and with us everyone, as surely that structure our existence so seamlessly that we don't know they're the flattering stories we tell ourselves about ourselves, the myths doomed in advance unless we also work to dismantle our delusions: Rhino, I occasionally hear some talk out there that is not entirely I take no pleasure in this verdict. Self-flagellation is another

cense. The scent changed to mark the passage of the hours. on the consistent rates of combustion of different varieties of insure time. The ancient Chinese made "incense clocks," which relied Actually, there is one kind of clock that does not use space to mea-

That's how it is, isn't it? Time has a certain smell.

salt and the gravy-you need a napkin there, kid? The height of breathed politics. Dinner conversation leaped from Falwell to the I grew up in the seventies and eighties in a family that lived and alarm that Reagan's cowboy bullshit was going to get us all killed Sandinistas to the nuclear meltdown at Three Mile Island. Pass the the Cold War had passed, but I had heard enough adults express

off in sheets. If I had to, would I be able to eat the dog? myself or take my chances and live on as a mutant, my skin peeling if I survived the initial impact, whether I should find a way to kill over. I spent long afternoons thinking hard about what I would do question be a target. So would the Grumman plant a few towns your eyelids too?) Manhattan, just thirty miles away, would withou soning. I knew to squeeze my eyes shut when the blast came because close. I read a lot. I asked a lot of questions. I knew about the dread sad about this, just accepting it, that life had a horizon, and it was the flash could burn out your retinas. (But wouldn't it burn through mechanics of nuclear winter and the various stages of radiation poithat I did not expect to live to adulthood. I don't remember feeling

full-on planetary catastrophe wandered off for a decade. Maybe two plenty to get upset about and plenty left to fight for, but the fear of twentieth century was not finished with us. I kept busy. There was missing from the old Soviet stocks, Ebola, dirty bombs planted out all of them, and a vague sense of guilt. But time had not ended there somewhere by CNN's latest villains, a nagging sense that the really stretch on forever? Occasional panics ensued, warheads gone On it ticked, and if I'm honest I felt lost, agoraphobic. Would it wrote stories and novels of my own. Cataclysm loomed in nearly Denis Johnson had been going downhill ever since Fiskadoro. I Strugatsky brothers and Russell Hoban's Riddley Walker. I thought find. I could rhapsodize if you let me about Octavia Butler and the I read J. G. Ballard and every work of apocalyptic fiction I could Then it ended. The Soviet Union fell. The Cold War was over

Syria, and Yemen in which nearly all the major military powers on the North Koreans, and the Rhino v. Iran. There are the wars in Iraq, multiplying fronts, all of them at once. There's the Rhino and the just Reagan and the Russians. Now the danger comes from ever-It's back, of course, but not like before. In the eighties there was

> and the Saudis, impatient with this by-proxy crap. There are the fasthe droughts and the fires, the gathering storms. Time has a stench. ing mass extinction, the melting glaciers, the jet stream stalling out, every surface and every side of everything, there is the already ongoto leap to yet another battlefield. And on top of it all, beneath it all, on ture of Bush and Obama's war on terror waiting for the tiniest excuse fascists in the White House. There is the vast and lethal infrastruccists in European parliaments and the fascists in the streets and the face off directly. There is the unlikely romance between Netanyahu planet spread death by proxy because, for now, they are not ready to

or perhaps just distracted. He spent the morning retweeting vidof reaching Washington, D.C. In other words, almost anywhere in my teeth and read that North Korea had tested a missile capable eos posted by a leader of an obscure English ultranationalist group. the United States. The Rhino's response so far has been restrained, Today, at least, he was too scattered to insult Kim Jong-un Everyone on Twitter was indignant as always, but I felt only relief. This morning I checked the news on my phone while brushing

pausing to ask: What is time? How do we understand it? Why do larity of this specifically bad smell? experience helped to lead us here, to this precipice and the particuwe experience it the way we do? Have that understanding and that If time really is ending, if these are end times, maybe it is worth

Eventually Hunahpu and Xbalanque got a rat to tell them where knots and the brothers scooped up the gear. They began to play, as roof beam of their grandmother's home. The rat gnawed through their father's ball-playing gear was hidden. It was hanging from the

twins weren't home, she said. The messenger delivered his message. then—just a messenger. Their grandmother answered the door. The ing and sent a messenger. Not owls this time—they had escaped by Again: a summons, and an invitation. their father and uncle had. The Lords of Xibalba heard them play-

a toad, and the toad by a snake, and the snake by a hawk. The grandoff, pleased to have a purpose. But the louse was soon swallowed by it what the messenger from Xibalba had said, and the louse hurried it "my child" and asked it to pass a message to the twins. She told while, and then she got an idea. She spoke to the louse. She called mother almost got her way. She picked it up. She let it crawl in her palm. She watched it for a be lost to her as well. A louse fell from the ceiling and into her lap. her sons, gone all these years, and the grandsons who would soon She sat there by herself in her home and wept in silence. She mourned ceived such a message—an identical message—she had lost her sons forever. She promised to pass the message along and closed the door. Grief froze the grandmother's heart. The last time she had re-

sixteenth century, the Dominican cleric Bartolomé de las Casas conbeautiful system of writing. Nearly all of their texts are lost. I will be bolder and say that no people anywhere have devised a more that we might say our writings were not an improvement over theirs." fided that Maya texts were crafted "with such keen and subtle skill messenger is killed, sometimes the audience. Writing in the mid-Not all messages reach their intended audience. Sometimes the

nessed, he wrote, "unheard-of cruelties, cutting off noses, arms and from trees, their children tied dangling to their feet. De Landa witish soldiers burning men alive, of seeing women's bodies hanging him. In his Relación de las Cosas de Yucatán, de Landa wrote of Span-Mexico. He was a young man of twenty-five. What he saw disturbed In 1549 the Franciscan monk Diego de Landa first traveled to

> such a vast population by inspiring fear incommensurate with their with collars and they fell ill, they would cut off their heads so as not goons with gourds bound to their feet; they stabbed infants because legs, and women's breasts, and they threw [the Maya] in deep lanumbers. Perhaps they were right. de Landa wrote, by insisting that they could only hope to dominate they could not march like their mothers, and if they shackled them to have to stop to free them." The Spanish justified these infamies,

ardo Galeano's words, "the vast kingdom of the devil." De Landa and their bellies . . . until they confessed." Many did not survive this great deal of weight to their feet, and they would burn their backs publicly from the beams of the church by their wrists and attach a countered in order to force them to confess to worshipping idols. If the idolatrous practices of the natives. Francisco de Toral, the first declared himself grand inquisitor and did his best to stamp out slaughter for Christ. For the Spanish the Americas were, in Eduhad learned to make a distinction between gratuitous slaughter and Maya of the Yucatán. He had acclimated by then. Or perhaps he Spain, de Landa was charged with bringing the word of God to the their victims endured one hundred lashes, "they would hang them monks accompanying him bound and whipped the Maya they enbishop of the Yucatán, would recount that de Landa and the three About a decade after his arrival in what was then called New

nothing in them but superstition and the falsehoods of the devil, we a great number of books containing these letters, and as there was ancient affairs and their sciences, and with them ... they understood tain characters or letters with which they wrote in their books their Inquisition, the auto-da-fé. He wrote: "These people also used certheir affairs and gave them to be taught and understood. We found De Landa imported to the Yucatán another key institution of the

inscribed fanlike texts that the Maya used as books. is said to have burned at least twenty-seven codices, the elaborately them much affliction." On a single day in July of 1562, de Landa burned them all, which they regarded as a wonder and which caused

le les pueses etros y assi bisnes a basicain infinitam gones se pobra nors on et symment sociemple. Les privae descriptios y casas som et, para exemple le som ere construct defense at code le pegan la proje juine the que prover dagie ellos com tras formerado a la applicacione de la fly la vocado tes made to the abutantal and souther letting to abcommis Approach with a sound spract of segment passed by the sound of the sound of the second to education a partie dest in his west asto game high kay. ughea postla backer france of he auto the se h THE PROPERTY OF we ander it to the treety on the we become m Commence protectified in the second of the s with the de or constitute transport of the

vast portion of the populace, literacy reached its horizon. Within a walls of which were also vivid texts-and the decimation of such a destruction of the codices and temples—the painted and sculpted annihilated by a combination of depredation and disease. With the of the population disappeared within a few years of the conquest, to four crumbling volumes. In many places more than 90 percent survived this and other conflagrations. An entire literature reduced western regions of El Salvador and Honduras, a total of four codices what is now southern Mexico through Guatemala and Belize into the In all of the lands inhabited by the Maya, which stretched from

> Yuri Knorozov, four centuries after de Landa's reign of fire not be legible again until they were decoded by the Soviet linguist each symbol can at once represent either a word or a syllable---would ined functioned as an alphabet—they are in fact logo-syllabic glyphs: weren't saying. The "characters or letters" that Diego de Landa imagtexts written with such care by their ancestors. Or if they could, they few generations, the Maya who survived could no longer read the

blowguns. When it fell from the sky, they asked it what it wanted heard a hawk shrieking above them and shot it in the eye with their The grandmother failed, by the way. Hunahpu and Xbalanque

twins would repair its eye, it promised, it would deliver the message. "I bring a message in my stomach," the hawk replied. If the

healing it instantly. "Speak," they told the hawk. The twins agreed. They replaced its eye with a bit of rubber,

The hawk vomited up the snake.

"Speak," said the twins to the snake

The snake vomited up the toad.

"Speak," said the twins to the toad

saw there, hanging from the roof of its mouth, the louse, which had the toad, but still it could not vomit. They pried open its jaws and not wanted to be swallowed. The toad tried to vomit. Nothing came out. The twins kicked

"Speak," said the twins to the louse. And it delivered its message

special prosecutor's investigation of Russian interference in the 2016 the Rhino's national security advisor pleaded guilty to lying to the as good news. A former lieutenant general who had briefly served as There was good news too this weekend. Or what these days counts FBI and agreed, as part of his plea bargain, to cooperate with the

take such a deal. The hounds are getting closer second and by far the most senior of the Rhino's former advisers to election. The investigation, in other words, of the Rhino. He is the

"there's not much time left." ing every day." Military action might still be avoided, he added, but Fox News that the possibility of war with North Korea is "increasthe plea deal hit the papers, his current national security advisor told Perhaps the timing was coincidental, but on Saturday, one day after has surely figured out that there is no better distraction than war. some fresh outrage and profit from the confusion that he sows. He tactic. Even without a crisis, it is the only trick he knows: to provoke This is not quite a comfort. Distraction is the Rhino's preferred

to the end of the spool. What black hole awaits us when the last of time is running out, as if time were a ribbon and we're getting close How can we understand these metaphors? Not much time left,

stronger than the gravity tugging at the other end, so you would gravity pulling on one end of your body—say, your feet—would be dubbed spaghettification. (Poets do not often become physicists.) The ally jumped, as you approached the event horizon---the one-way which we can gather that, if you were serious about this, and retheir effect on the movements of other bodies, such as stars. From though, and a fair amount of information about them, can be intional pull being so strong that it sucks in even light. Their presence, tion. Black holes cannot be seen or directly observed, their gravita-It turns out that jumping into a black hole is a difficult proposibut never leave-you would undergo a process that physicists have boundary that defines the black hole, through which you can enter ferred from the behavior of the gases that surround them, and by

> any way that we are capable of understanding. singularity, where you, and time and space, would cease to exist in uncomfortable, and didn't immediately kill you, your head could be stretched like a nice, fresh hand-pulled noodle. If it wasn't too infinitely dense one-dimensional point at the black hole's center, the watch your feet recede. Eventually, though, you would reach the

a complete stop just outside the event horizon. If I was wearing a me be incinerated, watch and all, by the heat of the so-called Hawkmore and more slowly until they stopped. Then you would likely see watch and your eyes were good enough, you would see its hands spin stayed outside and watched me do it, you would not see me disap-I arrived at the singularity and, in this universe at least, ceased to be along past that horizon, stretching as I went, yawning perhaps, until horrifically but perhaps quite comically as I went until I came to pear. You would see me moving more and more slowly, stretching be very different from what I experienced as I continued to float ing radiation emitted by the black hole. But whatever you saw would Here's the funny bit. If I jumped into the black hole, and you

ment, enough light enters that the priest can see the jaguar. opens above the cell so that the prisoners can be fed and, for a moanother prisoner, a jaguar that "with secret steps measures equally de Alvarado. His cell is divided by a wall. On the other side of it is sided, dedicated to the K'iche' god Qaholom, was burned by Pedro deep in a stone-walled prison. The temple over which he once preas plot: a character has a question; it is answered; the tale ends. A Pedro de Alvarado makes a brief appearance in a Borges story, "The the time and space of its captivity." Once a day, at noon, a trapdoor Maya priest called Tzinacán narrates the story from a vaulted cell Writing of the God." The plot is so simple that it hardly counts

the hidden script. were, as always, at the end of time," and that it is his destiny to find he wrote it, nor with what characters." The priest judges that "we tence capable of preventing that disaster. But "no one knows where day of creation his god foresaw "that at the end of time there would thing that he knew of the world. One night he recalls that on the first to anything recognizably Mesoamerican—does not expect to be re-"wizard," and hence to the tradition of the Renaissance magus than be great misfortune and destruction," and wrote a single magic senleased from his prison. He passes the time trying to remember every-The priest—Borges uses the word mago, closer to "sorcerer" or

approximate the speech of a god? to interpret their patterns. He begins to lose hope: what words comrizing every mark on the animal's coat, but he does not know how to him that the jaguar was among the attributes of his god and he the configuration of the stars." It could be his own face. It occurs prehensible to the impoverished cognition of humans could begin to the jaguar with which he shares his prison. He spends years memobecomes convinced that the sacred text is inscribed on the body of It could take almost any form, he knows, "a river, the empire,

writing inscribed on the jaguar's flesh. of the universe and its "intimate designs . . . infinite processes that together formed a single happiness." He understands it all, even the sees Pedro de Alvarado, his tormentor, another. He sees the entirety was and ever will be. He sees himself, one of countless strands. He in a fabric of infinite complexity, he can see everything that is and composed at once of water and fire. In it, interwoven like threads an ecstasy of mystic union, he sees an enormous spinning wheel Only after he utterly despairs does the vision come to him. In

able words. To pronounce them aloud would be enough to give him The text is composed, he says, of fourteen otherwise unremark-

> up to, "if he, now, is no one"? anymore. His petty misfortunes, his people, what did any of it add he had been, who craved vengeance, and meaning, doesn't matter dissolved his belief in the centrality of his own existence. The man pyramid, to rebuild the empire." But he doesn't do it. His vision has plunge the sacred knife into the hearts of the Spanish, to rebuild the the powers of a god, the ability to feed Alvarado to the jaguar, "to

ever feeling so free. I stayed in Death Valley for a day or two longer and can't remember that had sat on my shoulders for months just lifted off, pulverized by myself, but at everything else too. The misery, the sense of failure beneath my boots, I started laughing and couldn't stop. Mainly at lowest point. It was too hot, and walking out there, the salt crackling above it. I doubt I brought much water. I didn't make it to the very Basin. The earth was cracked and crusted white, the heat quivering and walked out beneath the brutal sun over the salt flats in Badwater hemisphere. I drove out from L.A., wrapped a scarf around my head, young and overly literal, I decided to head for the lowest spot in the life up in a number of ways that at the time felt irreparable. Being east, to Death Valley. This was eighteen years ago. I had messed my out here alone-not to Joshua Tree that time, but farther north and Not everyone likes the desert. I've loved it since the first time I came put a couple in my pocket and didn't feel bad about turning around. been encrusted with white crystals of salt. Little jeweled crickets. I pure absurdity. I remember finding insects that had died there and

and she teased me at first: "City boy, you'll be running back beor two each year and come out to write. She had lived there before fore a week is up." It turned out that the solitude and silence suited Later my ex and I would rent a cabin in Joshua Tree for a month

anywhere where I felt so immediately at home. York suburbs and my people are originally from cloudy, low-skied and feel the tension sliding from my spine. I grew up in the New L.A.—I raced back to the desert as soon as I was done. The moat a time. I didn't even want to drive into town to buy groceries. lands—Scotland, Ireland, Poland, Ukraine—but I had never been mountains I would roll down the windows, sniff the air like a dog, ment I got off the interstate and headed up the grade and over the When work forced me home to Los Angeles—and really, I loved me. And the clarity of the light. Sometimes I came alone for weeks

an existential allergy. They feel dread, something approaching panic. But my godmother felt uneasy and exposed. Everything was sharp. first time we took him into the park. He turned into a little boy, her partner came down to visit once from San Francisco. Her partforest and the coast are no less cruel. They see only emptiness and the bare cruelty of nature, though the have had the same reaction. It's not an aesthetic aversion so much as brace of leafy green plants, moisture, and abundance. Other friends There was too much death around. She missed the nurturing emscrambling over boulders, his eyes enormous, his face transformed ner, who was probably sixty at the time, was overcome with joy the Some people have the opposite response. My godmother and

and stubbornness of life. You couldn't always see it, and never would resist the wind, sheltering the roots of plants and the animals that web of fibrous tentacles that allows the soil to absorb the rain and lichens, mosses, algae, fungi-covers the desert floor, an invisible in that sense. A "cryptobiotic crust" of microorganisms—bacteria, dirt are alive. I don't mean that in some mystical sense. Or not only if you didn't look, but everything was alive. Even the rocks and the but, right next to it, sharing the same space, the urgency, brilliance, tried to explain that what I saw around me was not just death

> sparse moisture in the seeds they so nervously eat. The spring of a never in their lives drink a sip of liquid water survive solely on the cactus, a brilliant, neon pink, growing alone in a crevice, anchoring tunnel and burrow down there, protecting everything that skitters selves in brilliant yellows, purples, blues. wild celebration—shrubs that seemed leafless, dry, dead for months worth of rain stretched out over the entire winter, it all bursts forth in of coyotes. And of owls. In the spring, after a New York weekend's jackrabbit startled in a wash. The speech of ravens. And, at night, itself in a few inches of sand between the rocks. Rodents that will rent coursing through matter that is anything but inert. A barrel liant greens, yellows, reds. Life thrums through this place like a curbeneath the surface of the seen. Lichens splash the rocks with brildownpours and only then, in August or September, showing themat a ball. Some of them bide their time, waiting for the late-summer reveal themselves in sudden and outrageous color, like drag queens

of nightmares. There's a giant wasp bigger than a hummingbird that that shoots blood from its eyes to scare off predators, a shrike that have something to eat the moment that they hatch. There's a lizard lays its eggs in the flesh of living tarantulas so that its offspring will mountain lions and the heat is surely lethal. There are creatures out that roll over the hills along the coast. There are rattlesnakes and the fir and redwood forests of the north or the oak and chaparral heretics left hanging from the ramparts. Sometimes you see them suspended like a warning, the corpses of impales lizards on yucca spikes so that it can eat them at its leisure. Yes, death was everywhere too and more obvious here than in

cause it's nothing so intentional. Your consciousness is not central to and of liberation. Whatever you imagine is unique about yourself, this drama. No one's is. That may be the real source of horror here, You can't avoid the cruelty, though that's the wrong word be-

whether we're still here or not. and magic, pulsing force, will go on. Whatever we do or don't do day and all night, that it, and life in all its resiliency and multiplicity half the species in it. The desert practically shouts that at you, all fine without you. It will be. Even if in our heedlessness we wipe out don't care and the stars most certainly don't. The desert would be whatever you think matters, the coyotes don't care and the owls

everything the gizzard can't digest. and hair, whole undigested limbs sometimes, teeth, feathers, claws validated the urge to speak, to write. He couldn't stay silent about them out, like hair balls. Or the pellets regurgitated by owls: bones silence. Words are self-propelling. They boil up. The void coughs purity of the void. It angered me, as if Beckett had betrayed a vow it necessary to say those words. Ten of them in that sentence alone confounded me. I agreed with him, enthusiastically. I was solidly in then. Most of us didn't.) "Every word," Beckett had said in an inmillion years above 350 parts per million, the level to which human bon dioxide in the atmosphere rose for the first time in about three jeans—I came across a line of Samuel Beckett's that stuck with me. hair in my eyes, long black overcoat, a walking sulk in pegged Gap reasons, and this was reassuring. It let a little light in. Beckett had But I held him in sufficient awe that I figured he must have had his the pro-nothingness camp. Showily, even. But Beckett had found terview, "is an unnecessary stain on silence and nothingness." This beings, and most life on the planet, are adapted. I didn't know that (This would have been in the late 1980s, when the amount of car-Ten stains running into one, dripping all over, spoiling the virgin When I was an unbearable teenager—think unfiltered cigarettes,

That's the thing about silence I would tell my teenage self if I

could: it's very loud. And nothingness is teeming. I say this here becreated the priest as a character, in prose, so that he might attest, in sentence, "that's why I let the days forget me, lying in the dark." icance, of the insignificance of any man, being, nation. That's why of the God." The priest's vision convinces him of his own insignifcause Borges made some version of the same move in "The Writing lasting print, to the futility of words. But Borges made him say this. He wrote the story, published it. He he doesn't pronounce the holy formula, he admits in the story's final

which the setting bears little relation. Borges appears to have borconstructed in anticipation of the main act, a mystical revelation to ostensible plot, the historic Maya frame, reads like a stage set hastily rative foundations of the story itself. This one simply dissolves. The good one at all. Borges's best tales fold in on themselves vertigi-I'll admit it's not my favorite Borges story. It is perhaps not a very served him just as well. entire Popol Vuh. Any other exotically indigenous name would have den sentence, Qaholom, comes up, by my count, five times in the nously, losing the reader in the same paradox that dissolves the nar-(not a priest) who is mentioned just once in Bernal Díaz de Castillo's rowed the name Tzinacán, which means *bat*, from a Maya chieftain True History of New Spain. The name of the god who writes the hid-

for profundity. Time existed elsewhere. In his writings he displayed of the Renaissance mages and mystics who borrowed from the latter. are circular and have to do with time, but the image is more likely echo of it in the calendar stones carved by the Aztecs, which at least borrowed from his readings of Buddhist and Kabbalistic texts, and Like any good Argentine bourgeois, Borges looked across the oceans Borges was imparient to get to that wheel. He may have seen some

cide in which Pedro de Alvarado took part, a silence that would later a strangely labored justification for silence in the face of the genoicance of human striving be voiced by history's vanquished? construction? Why was it so important that this vision of the insignif in the hands of an otherwise so meticulous writer, the flimsiness of its dominated Argentina in the 1970s and '80s. How else to understand echo through Borges's quiet support for the military dictatorship that suggest this, but it is not hard to read in "The Writings of the God" of its own that preceded the arrival of Europeans. It may be crude to little cognizance that the hemisphere on which he lived had a history

ing, rendering himself invisible among the creosote and senna. must have surprised him. If I hadn't I'm sure I wouldn't have seen the house when a coyote skipped across the road in front of me. I I went out for a run earlier, heading west along the boundary line of him at all. He glanced at me sideways and jogged on without slowthe park and toward the setting sun. I was maybe a half mile from

singing at dusk or a little before, a single yipping voice, then others squabble, or something less dramatic. Maybe they're like us and just they're hollering about: a successful hunt or a failed one, a jealous break through the darkness and I often wake and wonder what it is They blend into the desert too perfectly. After midnight their calls be yards away—I go outside and look for them. I never see them. it's still light and they sound close enough-sometimes they must rises to a frenzied, ecstatic peak and just as suddenly dissolves. If join in, echoing one another and coming together in a chorus that of course. They're just good at not being seen. Usually they start night, but I sometimes go weeks without seeing one. They're around, I was probably more surprised than he was. I hear coyotes every

> need to hear themselves, and one another, to find some way to fill the hollows of the night.

coyotes surely have other things to think about. to the same thing, there are infinite stories, with infinite centers, and way of saying goodbye. But there is no story here, or, what amounts when I talk to L. on the phone, that they just know, and this is their I flatter myself that they know I'm leaving soon, that they've been the window I saw a coyote trotting down the middle of the road. I the neighbor's dogs all began barking at once. When I looked our listening in on my phone calls or pressing their ears to the screens find myself doing it again, putting myself at the center of this story: just down the street last week, and the other day in the afternoon I've been seeing them a lot lately. I saw one in my headlights

is that the priest's vision leads him into a dull quietism, as if he had everywhere, on every hair and every cell and every star. even more interesting, if more painful to take in. If you can blink wasn't wrong about that, but he only looked through one lens of consequence than the fading of a spot of lichens from a stone. He decided that the cosmos was populated only with the tiniest and seen that spinning wheel from the heights of a mountaintop and Perhaps the least convincing thing about "The Writings of the God" through the tears and focus, you'll see that secret words are written the telescope. The other side—the one that makes things bigger--is own death and the rise or fall of his or any people was of no more most insignificant of beings, paramecia and plankton, and that his

to see us dance and fight. They like to watch us act with grace and don't want to watch us vacillating, blinking, stuttering. They like Borges was wrong. The gods don't want us to lie down. They

conviction. They want us to read what they have written. They want us to pronounce the secret words aloud.

69

Yesterday I read a warning that the Santa Ana winds would be blowing hard through L.A. I haven't been back there for a few weeks, but firestorms have been raging for days in Ventura, north of the city, burning more than one hundred thousand acres, from the mountains to the sea. Wildfires are normal in Southern California. This is not. The rains are late. Usually they arrive in October, bringing the fire season to an end. It's December now and it hasn't rained since May. But there is no usually anymore. Except for the odd wet year in which the pendulum swings to the other extreme, the rains have been coming late. The fire season has grown about a month and a half longer than it used to be. I'm not that old—I turned forty-five this fall—but I lived in Los Angeles for nearly twenty years, long enough to see its climate shift.

Now this is it. The disasters they warned us about are here. The future has already happened. Last year was that odd year, the wettest on record for the entire state. The spring was glorious—I've never seen so many flowers here—but it all dried out and the hills up and down the coast are thick now with kindling. This after several years of drought. The driest year on record came just two years earlier, leaving behind millions of dead trees. All of which adds up to perfect conditions for uncontrollable firestorms. This, according to the climate scientists, is the way it will go. Decreased rainfall in California is tied to loss of Arctic sea ice. The dry years will be drier and the wet years, when they come, will be wetter. Everywhere it's hotter.

By this morning the winds had done their work. These ones are blowing from east to west so there's no sign of the smoke from

here, but I watched a video on Twitter that someone shot while driving to work in the predawn dark. The four even lanes of the 405 freeway were familiar enough. So was the sign indicating that the Getty Center exit was a half mile away, Sunset Boulevard 2½ miles, Wilshire 3¾. The car was driving south into the wealthiest part of the city's west side. Through the smoke you could see the flames covering the hillsides to the east in orange and a blinding yellow-white. It looked like Mordor.

à

Perhaps the most elegant and nightmarish of all of Borges's stories is "The Library of Babel," in which he imagines the universe as an infinite, hive-like library of largely incomprehensible books that together contain everything that can possibly be expressed in all possible languages, known and unknown, as well as a great deal of actual babble. I was thinking about the story recently when I came across a post about black holes on Stephen Hawking's website. This is the bit that got my attention: "One can't tell from the outside what is inside a black hole, apart from its mass and rotation. This means that a black hole contains a lot of information that is hidden from the outside world. But there's a limit to the amount of information one can pack into a region of space... If there's too much information in a region of space, it will collapse into a black hole... It is like piling more and more books into a library. Eventually, the shelves will give way, and the library will collapse."

Borges's narrator was, in his way, more optimistic. "I suspect that the human species . . . is about to be extinguished," he wrote, "and that the Library will endure."

sibly dense, a nothing that is teeming with being. swirl around black holes. Ours does. At the center is a void, imposdown time itself. And they shape everything. Most if not all galaxies being worlds. The tug of the past so strong and furious that it breaks haunting, the forces that worlds continue to exert after they cease Black holes, by the by, are just collapsed stars. They are sites of

mother's home in the hills overlooking the San Francisco Bay. Oakland, where we had a place to stay. A beautiful place: my godmoney, and the mechanic was moving slowly, so we hopped a bus to our transmission blew as we crossed into California from Oregon. build. Crescent City was foggy and dull, we were running out of ern California, killing forty-föur people. It was October then too. year, in October, by fires that aged through five counties in North-We spent a few days in a motel in Crescent City waiting on a re-Two friends and I had driven from the East Coast to the West until fall, the deadliest wildfire in California history. It was outdone this When I was nineteen I narrowly escaped from what was, until this

down the hillside. By the time we drove off, less than ten minutes she tossed me the keys and asked me to pull the car from the garage. to worry: they would let us know if the fire got too close. Just in case, smoke. My godmother called the fire department. They told her not puzzled by a strange orange tint to the sunlight. The air smelled of burning. later, smoke blocked the road in both directions. Everything was By the time I had backed it into the street I could see flames crawling We lazed over coffee that first morning, enjoying the view,

ing the trees all around us. We made it to a clear stretch of road and down the slope, flames spreading through the underbrush and lick-The memories feel like a dream: we ditched the car and ran

> people that day. ride and made it somehow to Telegraph Avenue in downtown Berketo drive faster so he kicked us off halfway down. We caught another caught a ride sitting on the trunk of someone else's car. He wanted the smoke. Someone tried to sell me acid. The fire killed twenty-five hills, the weird orange ball of the sun staring back down through ley. Everyone was standing in the street, gawking up at the burning

dents through the roadblocks to inspect what was left of their homes. its place a few small puddles of chrome that had dripped off the gas tank must have blown. The neighbor's Jaguar was gone too, in was hundreds of feet from the spot where we had abandoned it. The Only her chimney was left. The car, reduced to skeletal essentials, rustle—and it's possible that I had never seen anything so beautiful. was quiet up there—there were no birds anymore, and not a leaf to to ceiling had been transformed into an undulant white sea of ash. It found the living room: the books that had lined the walls from floor bumper and grille then pooled and congealed on the ground. We soon as I touched them into a fine, slippery powder. that had once borne words as clear as these ones. They collapsed as I could make out individual bindings and the deckled edges of pages I went back with my godmother when the city at last let resi-