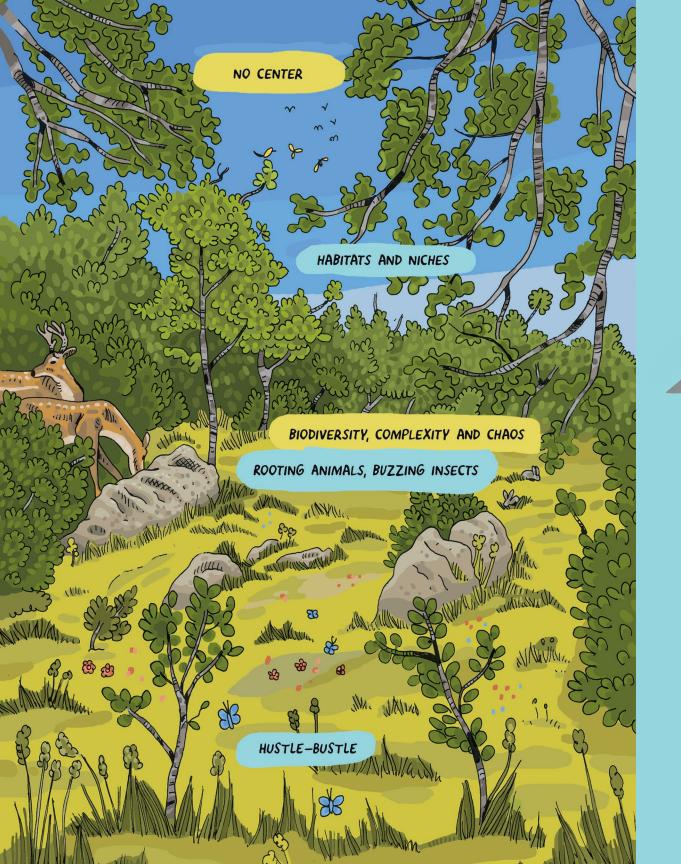
В





## One morning in late 2019, I stood knee deep in a river

feeding into the South Pacific Ocean choking on smoke,

to see more than a few feet around

That summer, during Australia's worst bushfire season on record, I wore a mask for the first time and witnessed apocalyptic red sunsets; helicopters dropping enormous loads of water on bushland; men, reunited after their town burnt to the ground, sobbing in a McDonald's car park; volunteer firefighters in fluorescent yellow jackets coated black and grey with ash piling out of a fire engine in a deserted country town at dawn; and dead birds littering the ground everywhere. Everywhere. The fires burnt 72,000 square miles, —that's like the entirety of Washington State and then some—and it's believed 3 billion animals perished. It felt like the world was ending, and then three months later, COVID-19 hit.

Yet even with the pandemic grinding industries across the globe to a halt, 2020 saw record levels of CO<sub>2</sub> in the Earth's atmosphere. 2020 tied with 2016 as the hottest year on record, and it was a La Niña year, so it *should* have been cooler. Instead, it was 100 degrees Fahrenheit in Siberia.

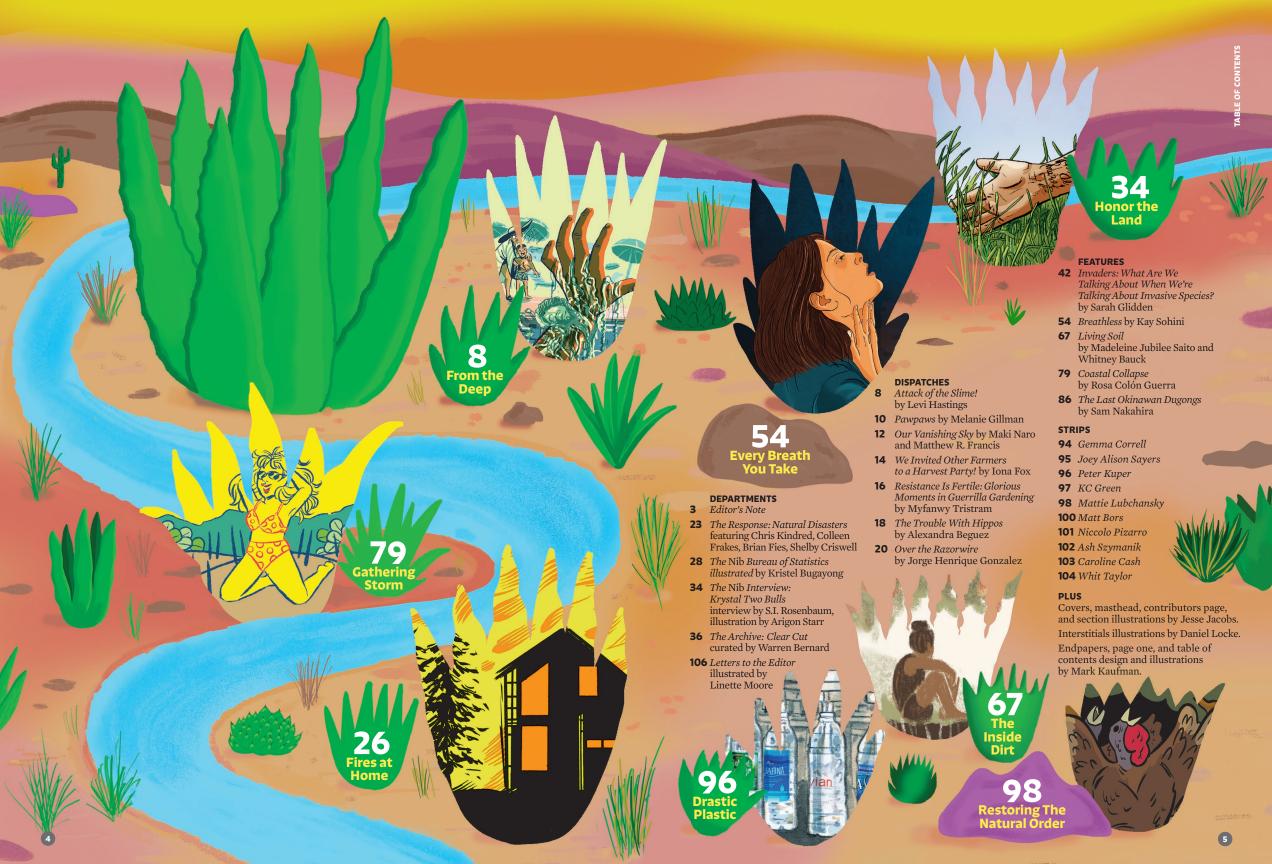
In his State of the Planet speech in December last year, United Nations Secretary General António Guterres said, COVID and climate have brought us to a threshold.

"Now is the time to transform humankind's relationship with the natural world—and with each other. And we must do so together. Solidarity is humanity. Solidarity is survival."

In Issue #10 of *The Nib* magazine we're bringing you stories from the human intersection with the natural world: Sarah Glidden on invasive species in North America, Kay Sohini on environmental racism, Rosa Colón on coastal erosion in Puerto Rico, Iona Fox on rabid woodchucks in Vermont, Melanie Gillman on the humble pawpaw, Levi Hastings on the worldwide jellyfish epidemic, Madeleine Jubilee Saito and Whitney Bauk with dirty poetry, and much more.

The latest Intergovernmental Panel on Climate Change report was described as a code red for Earth, but scientists do say catastrophe can be avoided if our planet's leaders act fast and reduce emissions quickly. Let's hope for nature's sake we do.

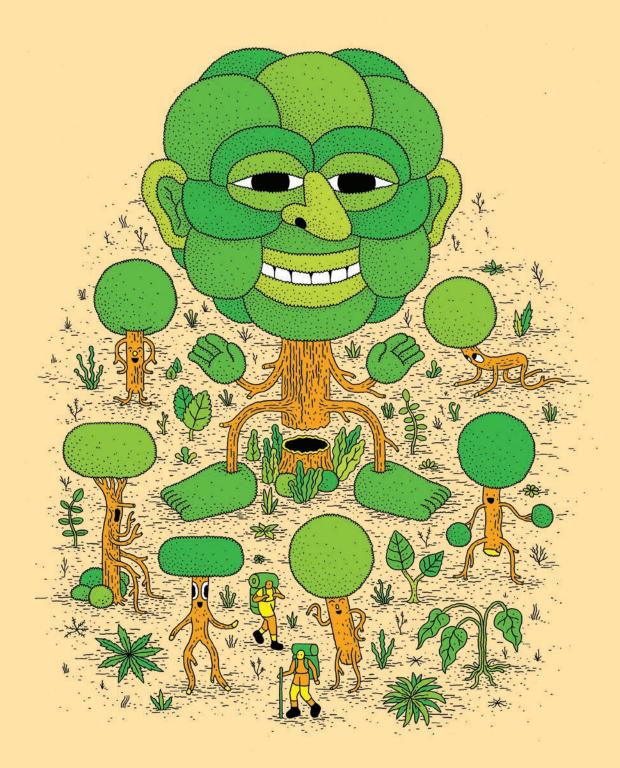




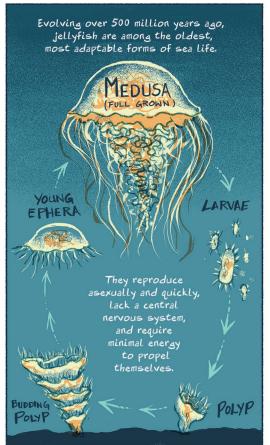


## VERTICAL **COMICS FOR** YOUR **PHONE! EXPERIENCE THEM AT TINYVIEW.COM**

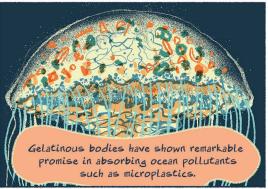
#### DISPATCHES

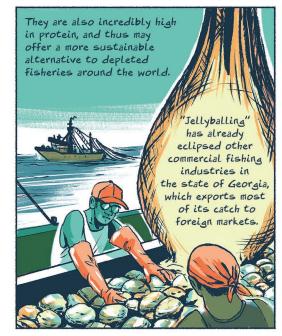


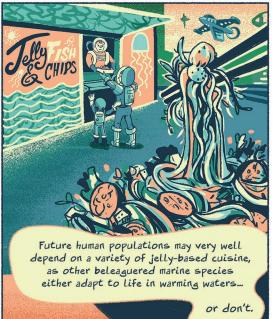


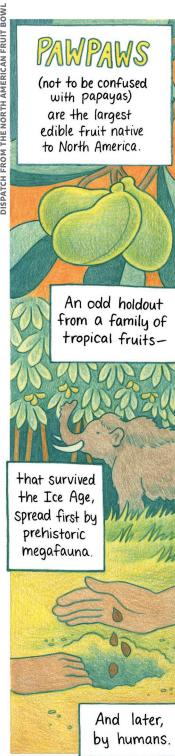




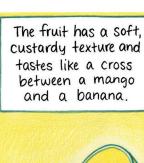


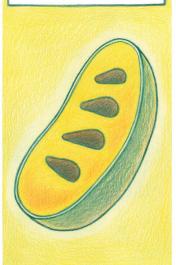


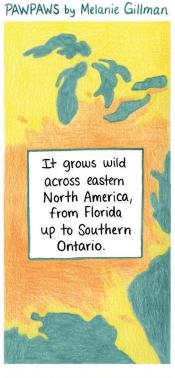




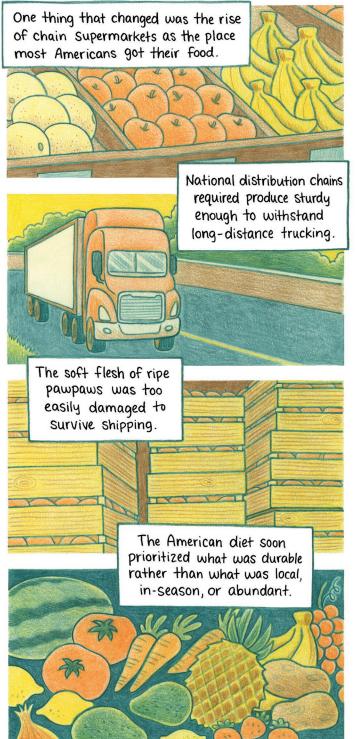






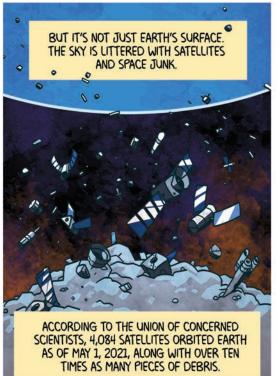








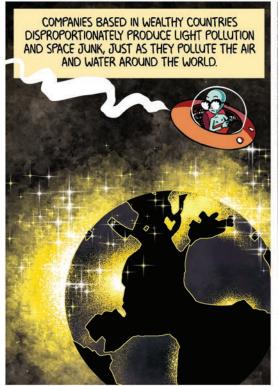






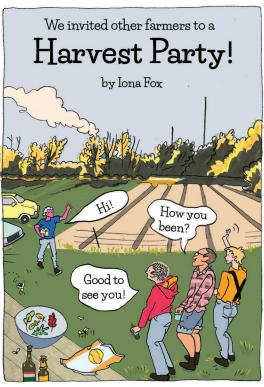




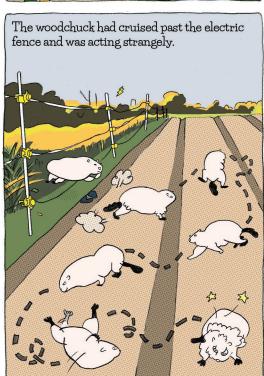




ROBBING PEOPLE OF THAT HERITAGE THROUGH SPACE POLLUTION HARMS OUR SHARED HUMANITY.

















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#### 2007: TODMORDEN, U.K.

LOCAL GROUP INCREDIBLE EDIBLE BEGIN GROWING FRUIT, HERBS, AND VEGETABLES IN PUBLIC SPACES AND INVITING ANYONE TO HARVEST THEM.



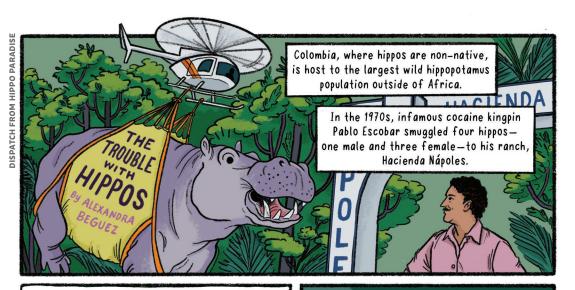




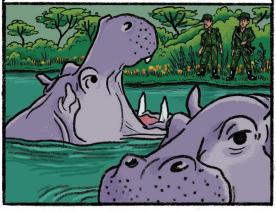
SEED BOMBS ARE CURRENTLY A TREND ON TIKTOK.



WHEN THE SEED OF A GOOD IDEA IS PLANTED, IT KEEPS FINDING NEW PLACES TO GROW.



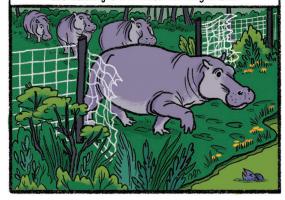
When Escobar was killed in 1993, Colombian authorities decided to leave the large, aggressive hippos alone.



Colombia has abundant water and food, and

lacks large predators. It's a hippo paradise!

The small herd has grown to approximately 120 animals. Most still live in Hacienda Nápoles, now a theme park, but some are settling across the heavily trafficked Río Magdalena.



The hippos' presence negatively impacts the local ecosystem. Their feces fuel huge algae blooms that reduce the levels of oxygen in the water, making it toxic to fish.



Hippos are famously aggressive, and their combative antics push out native species, like the capybara and Antillean manatee. There has also been a rise in less-than-friendly encounters with people.



Despite their surly attitudes, the hippos have grown on the locals, as have the tourist dollars brought to the theme park.

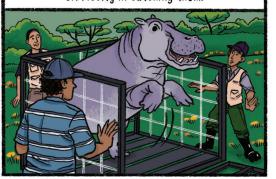


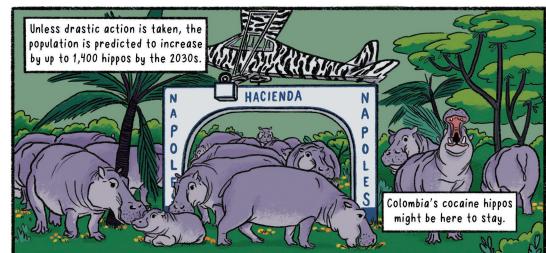
Scientists called for a cull to combat the rapid population growth. But when a hippo was killed after terrorizing local farms, there was a public outcry.

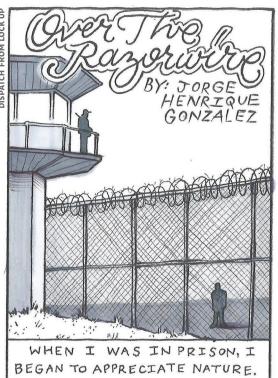


Sterilization has been tried, with little success.

Just four male hippos have been castrated in
the last ten years due to the high cost and
difficulty in catching them.







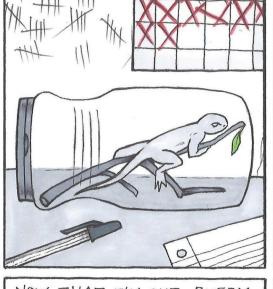


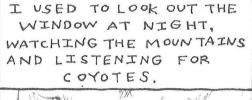
I GOT SO USED TO CONCRETE.





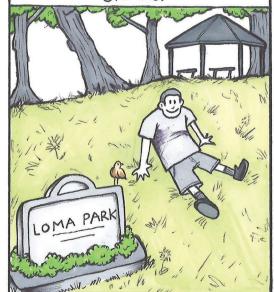




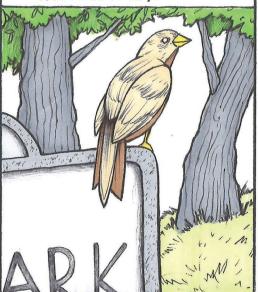




NOW THAT I'M OUT, EVERY MORNING I TAKE A SLOW WALK THROUGH THE PARK AND JUST SIT ON THE GRASS.



I MAKE TIME FOR THE OUTDOORS. I NEVER KNEW HOW MUCH IT MEANT TO ME UNTIL I HAD TO LIVE WITHOUT IT.





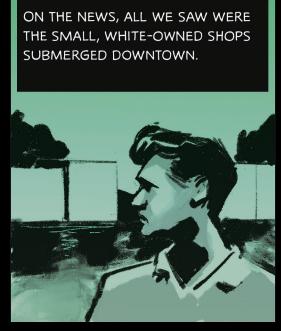
### THE RESPINSE

Each issue we ask four cartoonists one question. For this Response we wanted to hear from people who have lived through an extreme weather disaster (which are increasing in frequency).



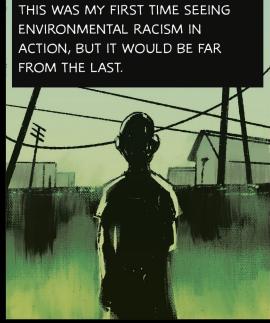


MY HOMETOWN OF FRANKLIN, VA, WAS HIT BY HURRICANE FLOYD BACK IN 1999, WHEN I WAS 8 YEARS OLD.





...BUT NEVER THE LOW-LYING BLACK



On Feb. 28, 2001 at 10:54am, the Nisqually earthquake hit, the strongest earthquake to strike the Puget Sound region since 1965. I was in biology class when the shaking started.



I'd been practicing earthquake drills since kindergarten, but still felt unprepared. We dove under our desks as specimen jars rained down around us.

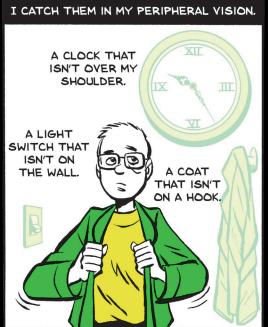














NEIGHBORS WHO SIMPLY VANISHED.







TEXAS IS ON ITS OWN POWER GRID,

SEPARATE FROM THE REST OF THE U.S.

OUR CITY'S POWER COMPANY PROMISED

TO ALTERNATE 15 MINUTES OF POWER

ON AND 15 MINUTES OFF, A GREAT





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#### **The Nib Bureau** of Statistics

Guts, parks, plastics, and mass extinction.

**Illustrated By Kristel Bugayong** 

WHO GETS THE GREEN?

Parks are like everything else, not equally shared out. Poor communities of color in America have far less access to nature than wealthier, predominantly white ones.

PERCENT OF AMERICANS LIVING IN A NATURE-DEPRIVED AREA, BY INCOME

AMERICAN INDIAN OR ALASKA NATIVE



WORSE YET, PARKS THAT SERVE COMMUNITIES OF COLOR ARE, ON AVERAGE, HALF THE SIZE OF PARKS IN MAJORITY-WHITE AREAS...







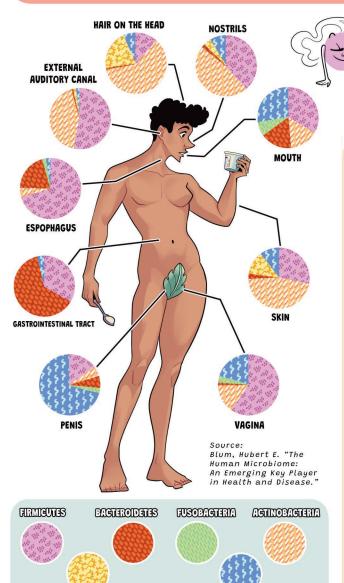
...AND ALMOST AS CROWDED.



Source: Center for American Progress, Trust for Public Land

#### INSIDE YOUR INSIDES

You, and everyone around you, are home to a whole tiny world of trillions of microbiota. Some of them are good, some of them are bad, most of them are just minding their own business.



If somehow you collected them all together, the whole mess could weigh up to 5 pounds.





HEALTHY CONTROL

PATIENT WITH IBS

#### TYPE 2 DIABETTES





HEALTHY CONTROL

PATIENT WITH TYPE 2 DIABETES

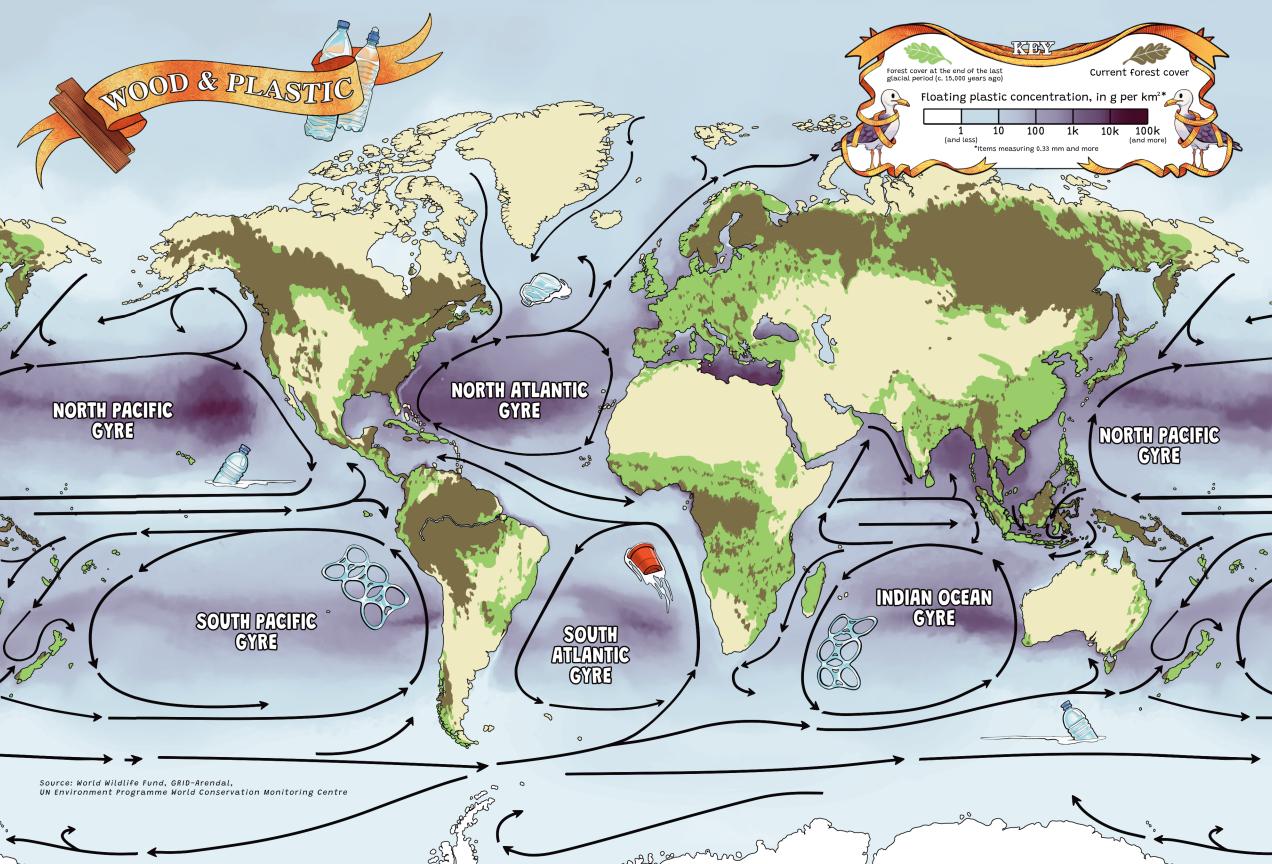
#### NEGROTIPING ENTEROCOUNTS



HEALTHY CONTROL

NECROTIZING **ENTEROCOLITIS** 

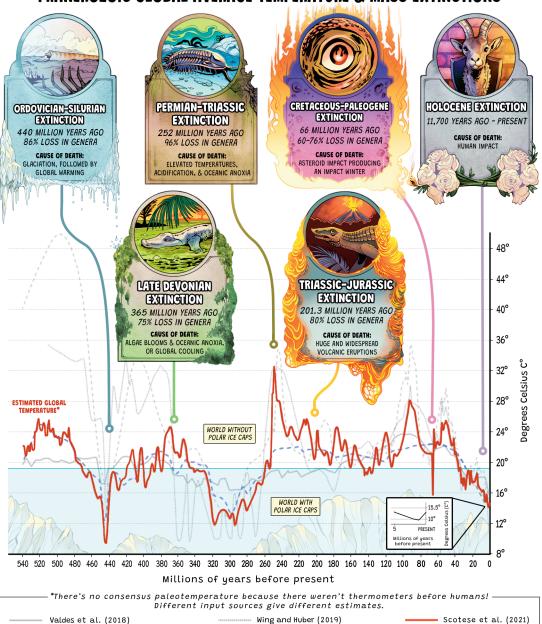




#### EARTH AND ITS ASSOCIATES

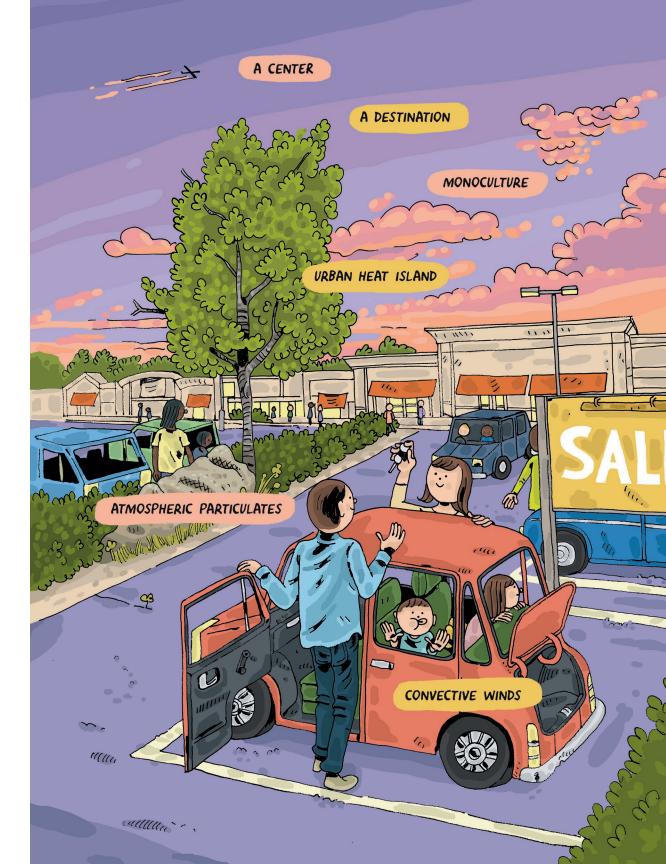
Our world is anything but stable. Its temperature has fluctuated wildly over the course of its history, with occasionally quite serious side effects for all the creatures running around on its surface.

#### PHANEROZOIC GLOBAL AVERAGE TEMPERATURE & MASS EXTINCTIONS



--- after Mills et al. (2019) - - - Scotese et al. (2021)

Sources: "Mass Extinctions," National Geographic Society (2019); Scotese et al, Earth-Science Reviews (2021)

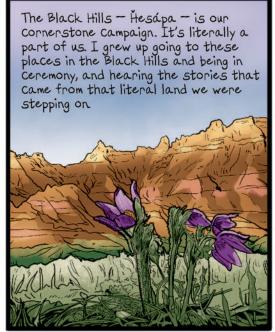


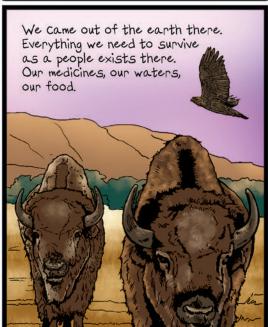
### The Nib Interview

Krystal Two Bulls is an Oglala Lakota and Northern Cheyenne activist. As director of the LANDBACK Campaign, she is a leader in the struggle to reclaim Indigenous territory. Interview by S.I. Rosenbaum, illustrated by Arigon Starr.

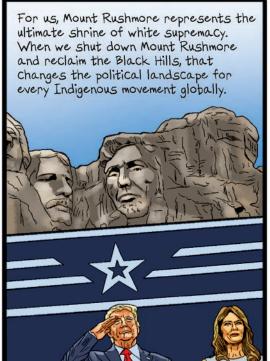
"Landback" is the literal reclamation of land, and the reclamation of everything that was stolen from us when we were forcibly removed from the land: Ceremony, language, Culture, spirituality, kinship systems, education systems, housing, governance, food, healthcare...

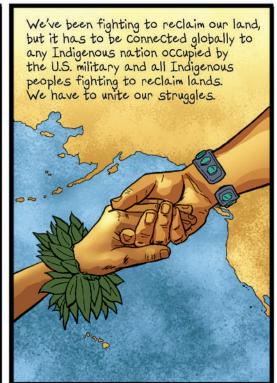












We had original instructions to be caretakers and to be in relationship with Mother Earth. A blade of grass, a flower, a bee — they follow their instructions.



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#### **Clear Cut**

The decimation of our forests, and nature in general, started entering the broader national psyche during the last quarter of the 19th century. The writings of John Muir, the establishment of the Bureau of Forestry, and the removal of federal forest land from commercial exploitation showed that there was growing concern about protecting the nation's woodlands. The Sierra THE ARCHIVE

Club was founded in 1892, one of the first nonprofit environmental organizations created in response to the devastation of forests and other natural resources for the supposed benefit of the economy.

> Even with establishment of the National Park System and other early-20th-century

forest-friendly efforts, the effectiveness of long-term land management of forests was not a given, an issue front and center on certain cartoonists' drawing boards. Jay "Ding" Darling, a lifelong Republican, drew a number of environmental cartoons over his 40-year career that started in 1906.

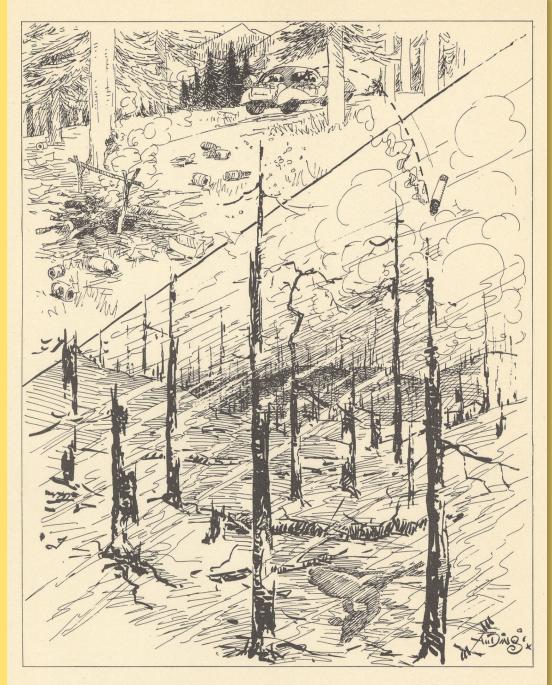
He continuously warned about the destruction of our natural resources, and with the support of President Franklin Roosevelt, Darling established the National Wildlife Federation in 1936.

Frank King, whose "Gasoline Alley" was one of the most popular comic strips in the United States, showed his protagonist Walt Wallet taking his son Skeezix on yearly jaunts into the wild to extol both nature's beauty and fragility, making it all too clear that once forests are gone, they are not coming back.

With cataclysmic wildfires across the globe consuming hundreds of thousands of acres yearly, coupled with human deforestation occurring in the Amazon and other locations, forests are in a more precarious position than ever, something cartoonists have been warning us about for over 130 years.

#### Warren Bernard

is an author/lecturer in the history of editorial-political cartoons and the executive director of the Small Press Expo.



Yesterday's Paradise - Tomorrow's Black Desolation

Jay "Ding" Darling

"Yesterday's Paradise – Tomorrow's Black Desolation," Our Great Out-of-Doors (1947)

Sources: The Private Collection of

Warren Bernard

Date Of Record: 1884-1947



PRESERVE YOUR FORESTS FROM DESTRUCTION, AND PROTECT YOUR COUNTRY FROM FLOODS AND DROUGHT.

## NO. A HUNDRED YEARS AGO THIS WAS ALL DEEP FOREST. PROBABLY NO WHITE MAN HAD EVER BEEN THROUGH IT. THEN CAME THE ENGINEERS THINK WHO BUILT THIS WE WILL FINE CONCRETE WAY OVER WHICH WE ARE SPINNING NOW. THROUGH MUD AND DUST HE HAULED HIS CROPS AND. DROVE TO TOWN OVER THE SAME ROAD THAT WAS ONCE A DEER DATH. THEN HE CLEARED SOME OF THE LAND ALONG THE ROAD, PLOWED IT AND PLANTED CROPS.

#### FRANK KING

"Gasoline Alley," Chicago Tribune (August 7, 1927)

### FEAT:URES.



# INVADERS

What are we talking about when we're talking about invasive species?



BY SARAH GLIDDEN





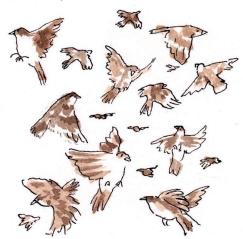






In the beginning, New Yorkers adored them. People even built sparrow hotels for them.

But they reproduced quickly, and the tide of public opinion shifted. They were a nuisance, shitting on everything, ravaging crops, and chasing away native birds. They also didn't solve the inchworm problem.



Their range soon extended across the country.



I recently saw similar language being used in a new call to action for the eradication of another invasive species: the spotted lanternfly.

We Must Come Together And Kill
The Dreaded Spotted Lanternflies

EY JEN CARLSON



Unlike the house sparrow, the spotted lanternfly was introduced to North America accidentally, and was first seen in Pennsylvania in 2014.
Originally from Southeast Asia, it's believed that some eggs hitched a ride in a bag of garden rocks.





Now we're being told to squish them on sight and report them to the U.S. Department of Agriculture.



According to a widely cited 2005 study, there are approximately 50,000 invasive species in the U.S., causing damages upwards of \$120 billion per year.

There are plenty in my local park.



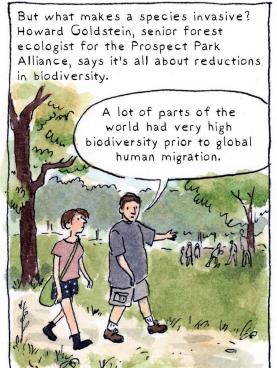
Emerald Ash Borer





Paper Mulberry







Given enough time, these things will settle into some kind of equilibrium, but that could be a very, very long time from now.



Not all non-native plants are invasive. Take the common plantain, ubiquitous in urban areas across the country.

It's in this weird category that we refer to as "naturalized." It's originally from Europe, but it's been here for 500 or more years.



American Indians referred to them as "white man's footprints" because in the early days of colonization, when Native people would see this, they knew that settlers must have been there.









There are a lot of North American native plants that have weed in the name. Pokeweed, milkweed...

But a weed was any plant during early colonization which was not initially useful or had any detrimental effect on livestock. Anything they didn't want growing in their fields became a weed.



And this unfortunately has entered into our psyche as "these are things to get rid of." If they had decided to call this "plumberry" instead of pokeweed it would be much more popular.



One of the problems that humans have had in the West in the past few hundred years is this feeling that we're separated from nature, and that's just not true.

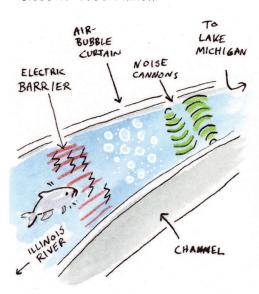




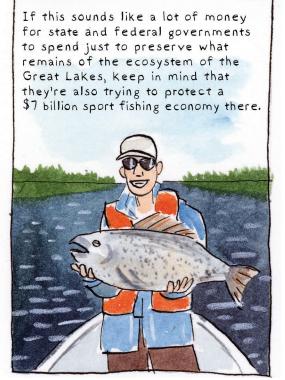
The work being done in Prospect Park is small scale, but there's a whole committee in the Department of the Interior devoted to mitigating the effects of invasive species.



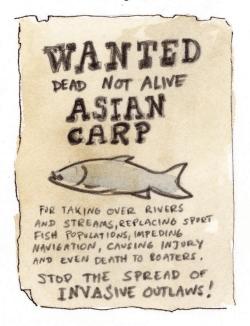
The U.S. Army Corps of Engineers just approved a project that will enhance the barrier keeping them out of the Great Lakes, at a cost close to \$800 million.



Asian carp-recently renamed invasive carp—are a famous example. They were imported to Southern states in the '60s to clean algae in wastewater-treatment ponds and somehow escaped to the Mississippi River watershed, where they now dominate.



But do these species really deserve the vitriol we sling at them?



Is it even fair to call them "invasive species" in the first place? I've always had an issue with that term myself. It's the knee-jerk reaction of America in a nutshell, where violence is always the answer.



Jerry Jondreau and Katy Bresette spoke to me from their farm on the Keweenaw Bay Indian reservation in Michigan, where they harvest and produce traditional Native foods.

They are two of the co-authors of the Tribal Climate Adaptation Menu, which approaches climate change mitigation efforts from an Indigenous perspective.



And that's where the whole conversation of invasive species came up, which sparked a lot of reflection.

> It was just an all-out debate for an entire day.

The group felt that the English term "invasive species" imposed a hierarchy with human beings at the top. Instead they use "non-local beings" and the Ojibwe term Bakaan ingoji ga-ondaada.

It translates to "a being that came from a different place, unspecified."



Using "non-local beings" also shifts the blame away from the organisms themselves.

They didn't do anything wrong.
They've been in existence
longer than we have, and now
we think we have the right to
dictate who goes where and
why, when we can't even
regulate ourselves.



Katy, who studied linguistics, points out that English itself is the non-native language here, one that doesn't really have a home.

It's got German, it's got French, it's got Latin...all those influences are all in there and what is English for? It's for trade.



...maybe the heart and soul of the language is not there.

When you've built a society and a government-

-and a globe!

-based on a language that doesn't have a heart and soul, you can see why we are capable of doing the things we do.



These things don't just magically show up and become a problem, they came here from shit that we've done.

And we need to take responsibility.



We keep pinning the issue back on these beings that are just doing the things that they were put here to do.



Who is the invasive species here?

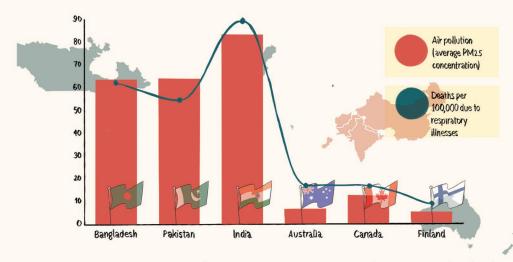








PLACING THE ONUS OF BEING ECO-FRIENDLY ON THE INDIVIDUAL ACTIONS OF VULNERABLE GROUPS RATHER THAN ON CORPORATIONS AND FOSSIL-FUEL COMPANIES — WHO ARE RESPONSIBLE FOR 70% OF GLOBAL GREENHOUSE GAS EMISSIONS — IS AN ONGOING PROBLEM IN PUBLIC DEBATE OVER THE CLIMATE CRISIS.

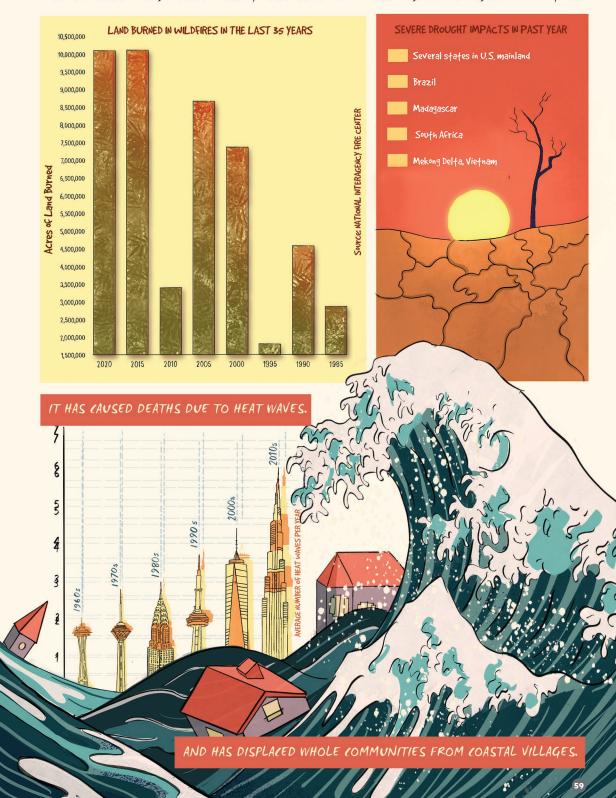


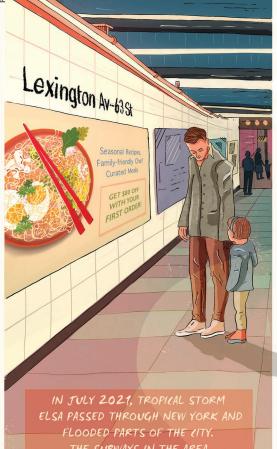
AS OF 2021, AIR POLLUTION FROM FOSSIL FUELS IS RESPONSIBLE FOR ONE IN FIVE DEATHS WORLDWIDE, AND COMMUNITIES OF COLOR AND COUNTRIES IN THE GLOBAL SOUTH BREATHE MORE HAZARDOUS AIR THAN MORE AFFLUENT POPULATIONS.





#### IN THE PAST YEAR, CLIMATE CHANGE HAS CAUSED HURRICANES, WILDFIRES, AND DROUGHTS.









OF THE BRONX, AREAS THAT ARE TYPICALLY LOWER INCOME THAN THE CITYWIDE MEDIAN. EVEN THOUGH THE AVERAGE ELEVATION IN THE UPPER EAST SIDE IS 59 FEET, WHICH IS MUCH LOWER THAN WASHINGTON HEIGHTS' 102 FEET.

#### EARLIER THIS YEAR, A STUDY FOUND:

"Racial-ethnic minorities in the United States are exposed to disproportionately high levels of ambient fine particulate air pollution (PM2.5), the largest environmental cause of human mortality."

> "Systemic disparity exists at all income levels... The difference in average exposure between POC and Whites is 2.4 times larger than the range in average POC exposure among income levels." (Tessum, Paolella, Chambliss, et al. in Science Advances, April 2021)



justice problem

disparities in air

pollution exposure

IN 2018, PARTS OF THE U.S. STARTED TO BAN SINGLE-USE PLASTIC STRAWS CITING ENVIRONMENTAL CONCERNS. EVEN AS DISABLED PEOPLE NATIONWIDE PROTESTED THAT THE BAN WAS ABLEIST OWING TO THE UNFEASIBILITY OF ALTERNATIVES.



"I use plastic straws because I can't hold a drink to my mouth. Plus they don't melt in hot drinks unlike compostable ones. This doesn't mean I don't care about the environment & reduce waste in other ways." ALICE WONG, DISABILITY RIGHTS ACTIVIST

"Metal and hard plastic straws cut the mouths of disabled people quite often, plus they need to be constantly cleaned (imagine having hand tremors, lack of sensation, or dexterity). Single-use straws are the best option. Plus they started in hospitals for disabled people." IMANI BARBARIN, DISABILITY RIGHTS ACTIVIST AND WRITER

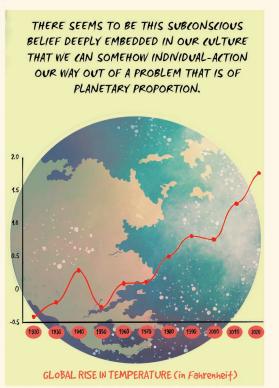
Allergy risk, injury risk, Allergy risk, not flexible, high cost, not flexible hard to sanifize Allergy risk, injury risk, Allergy risk, injury risk, high cost, not flexible, high cost, flexible, not hard to sanitize not-liquid safe, hard to SINGLE flexible. cost-effective. safe for disabled people

IN 2019, PRE-CHOPPED VEGETABLES WERE DEEMED WASTEFUL BY A NUMBER OF SUSTAINABILITY ADVOCATES.

SOME EVEN CALLED THESE PRODUCTS LAZY ...

... EFFECTIVELY DISMISSING THE NEEDS OF PEOPLE WITH PHYSICAL LIMITATIONS ...

... FOR WHOM THE PRE-CUT PRODUCE IS A MATTER OF ACCESSIBILITY.



SOURCE: United States Environmental Protection Agency

THE INDIVIDUALISTIC ATTITUDE TOWARDS CLIMATE CHANGE OBSCURES THE DISINGENUITY OF CORPORATE GREENWASHING ...

SLOW VIOLENCE AND THE ENVIRONMENTALISM OF THE POOR ROB NIXON

... AS WELL AS THE LONG-TERM EFFECTS OF WHAT ENVIRONMENTAL SCHOLAR ROB NIXON DESCRIBES AS "SLOW VIOLENCE." A TYPE OF STRUCTURAL VIOLENCE THAT:

"...occurs gradually and out of sight, a violence of delayed destruction that is dispersed across time and space, an attritional violence that is typically not viewed as violence at all."

ONE OF THE EXAMPLES THAT NIXON USED IN HIS BOOK WAS HOW SHELL'S PROLONGED



BY ORDER OF THE LOCAL GOVERNMENT.

BUT WHAT HAPPENED IN THE NIGER DELTA IS NOT AN ISOLATED CASE.

IN THE WEST IS ILLEGALLY DUMPED IN LOW-OR MIDDLE-INCOME COUNTRIES ACCORDING TO A RECENT REPORT BY THE WORLD HEALTH ORGANIZATION. EXPOSURE TO TOXIC E-WASTE HAS BEEN LINKED TO SEVERAL HEALTH HAZARDS INCLUDING REDUCED LUNG FUNCTION, DNA DAMAGE, AS WELL AS INCREASED

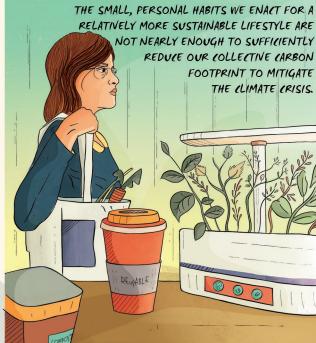
AGBOGBLOSHIE, GHANA

RISK OF CANCER AND

CARDIOVASCULAR DISEASE.

A SIGNIFICANT CHUNK OF E-WASTE PRODUCED

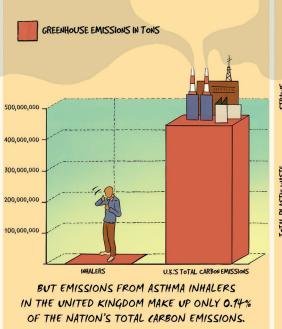
WITHIN THE UNITED STATES, AN 85-MILE STRETCH ALONG THE MISSISSIPPI RIVER THAT COMPRISES OVER 150 PETROCHEMICAL PLANTS HAS BEEN DUBBED "CANCER ALLEY" DUE TO HIGHER RATES OF CANCER IN THE AREA. AIR POLLUTION IN THE REGION, WHICH IS PREDOMINANTLY BLACK, IS 95% HIGHER THAN THE REST OF THE COUNTRY.

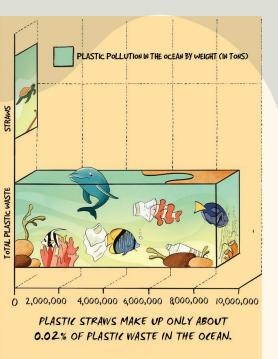


ESPECIALLY CONSIDERING THAT:
"Over half of global industrial emissions... can be traced to just 25 corporate and state producing entities"

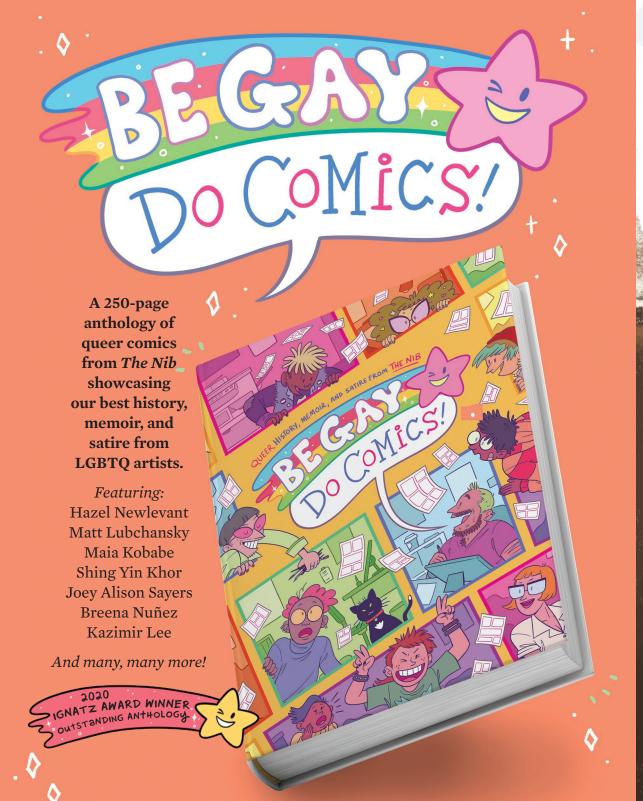
(CDP Carbon Majors Report 2017)

THIS IS NOT TO
SUGGEST THAT
INDIVIDUAL RESPONSIBILITY
IS NOT USEFUL.
REDUCING FAST FASHION, TRAVEL,
PLASTIC, USE AND MEAT CONSUMPTION
CAN BE EFFECTIVE WAYS TO REDUCE
OUR INDIVIDUAL CARBON FOOTPRINT.









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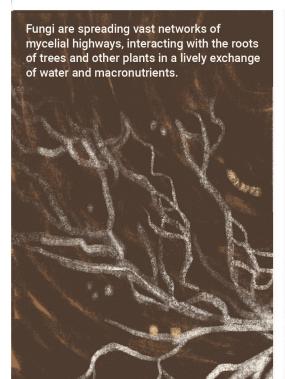
"I wonder if much that ails our society stems from the fact that we have allowed ourselves to be cut off from that love of, and from, the land."

- Robin Wall Kimmerer, scientist and author, from Braiding Sweetgrass

Have you ever stopped to consider the ground beneath your feet? When soil is healthy, it's a living universe all its own, teeming with life.

















And at the end of our lives, the nutrients will return to the land from which they came. Dust to dust, soil to soil.

When we die, we join the dry leaves, the broken-winged bird, the insect husk, the fallen log, the deer droppings.

With the help of soil's microorganisms, we become soil ourselves.

In this way, soil works as one of the most deeply redeeming forces in the world.

It takes death, rot, disintegration, and excrement and turns them into the rich matrix from which fertility and new life can emerge.





Despite our deep dependence on soil, its well-being is often disregarded. Industrial agriculture douses the ground in synthetic pesticides derived from petrochemicals, killing off the vital microbiome that gives soil its natural resilience and fertility.

It tills soil when it should be left alone, leading to erosion and limiting soil's ability to absorb water.

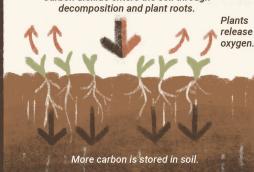
And it overuses soil - pushing it to produce more quickly than it can replenish itself, not allowing time for the nutrients and organic matter that make soil rich to rejoin it.

It can take years to build one inch of topsoil. And it's being destroyed faster than it can be replaced: Each year, soil erosion costs us around 25 million acres of cropland worldwide.



Healthy soil can serve as a sink for carbon, storing it underground where it won't harm the climate.

Carbon dioxide enters the soil through



But degraded soil does the opposite and currently, human land use, whether via forestry or farming, is responsible for 24% of greenhouse gas emissions.



they live by it."

All of these practices arise from a vision of soil as an unlimited resource.

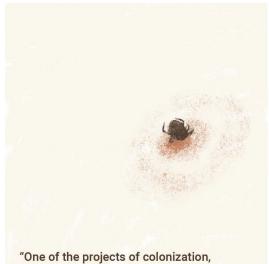
Extractive capitalism gives its practitioners the mindset of the parasite:



The host seems unimaginably vast; the depletion of the host's resources is just the necessary cost of doing business to sustain endless growth.

In this framework, soil is a thing to be extracted from - and when it is used up, the parasite detaches and moves on.





capitalism, and white supremacy has been to make us forget this sacred connection to soil. Only when that happened could we rationalize exploiting it for profit."

- Leah Penniman, farmer and co-founder of Soul Fire Farm, from the essay "Black Earth" in All We Can Save

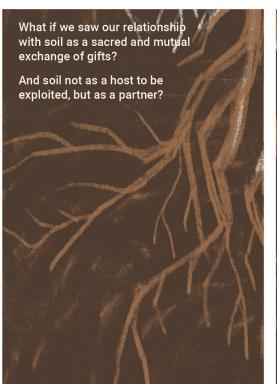


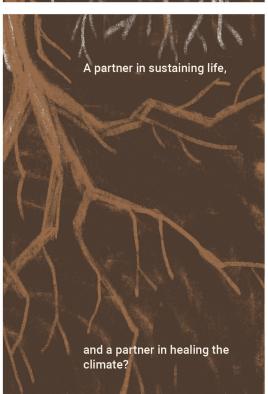
polluting industry, and move it into space."

- Jeff Bezos, billionaire and Amazon founder, in an interview with NBC in July 2021







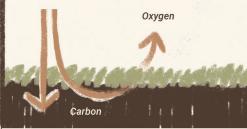


Some farmers are choosing this other path - cultivating ways of relating to soil that are not exploitative and extractive, but allow for mutual flourishing.

Whether via regenerative agriculture, reclaiming Indigenous traditions, or a host of other land management practices that go by a variety of names, these farmers are drawing on ancient knowledge to grow plants for food, fiber, medicine, and more in a way that honors the needs of the whole ecosystem-including soil.

These farmers are devoted to soil health and sequestering carbon in the soil. Practices that are better for the soil also make agriculture an active part in climate solutions.

Carbon dioxide



Their practices also protect against floods, as regeneratively farmed land can absorb as much as eight times more water than



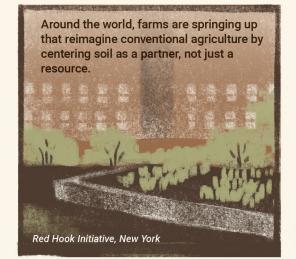
They rotate crops to give soil a chance to replenish nutrients depleted by one kind of plant with nutrients provided by another.



They avoid excessive tillage of fields to allow the microscopic organisms in soil to go about their lives without their universes being repeatedly turned upside down.



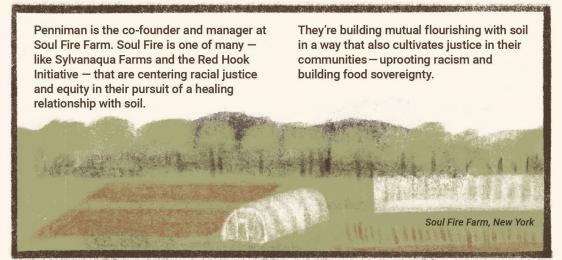
Rooted in Indigenous practices, silvopasture integrates trees and animals into a growing system, recognizing that diverse species enrich ecosystems. Animals move through the land, eating insects and fertilizing soil with their droppings.



Leah Penniman describes an admonishment from the Queen Mothers of Odumase Krobo, Ghana:

"How can it be that you Americans put a seed in the ground, and you do not pray, sing, dance, or pour libations, and you expect the Earth to feed you?

The Earth is a relative, not a commodity."





Moving toward a relationship with soil that sustains it and us will mean letting some of our current practices die:

Releasing patterns of consumption that result in food and fiber for clothes being tossed as waste into bloating landfills.



Moving beyond reliance on fossil-fuel-based fertilizers and pesticides.



Rewriting the policies that provide subsidies for abusive land and labor practices.









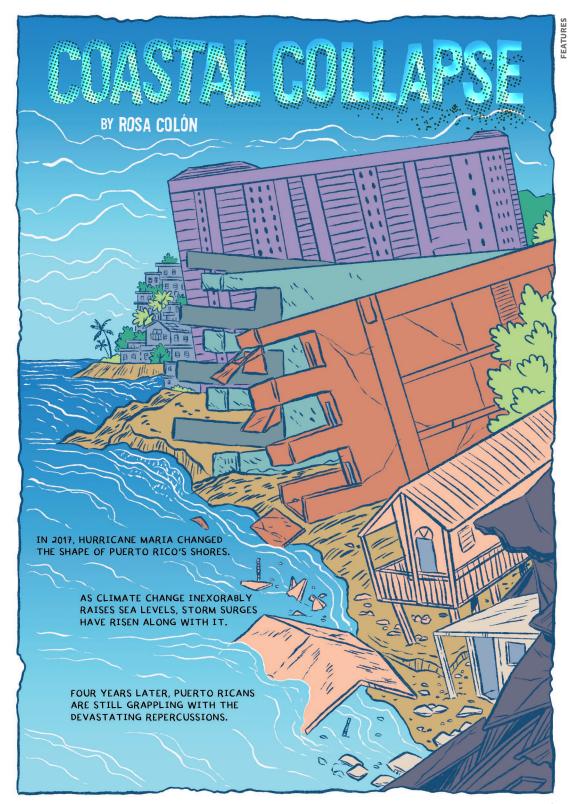
# BOOKS are in your Nature.

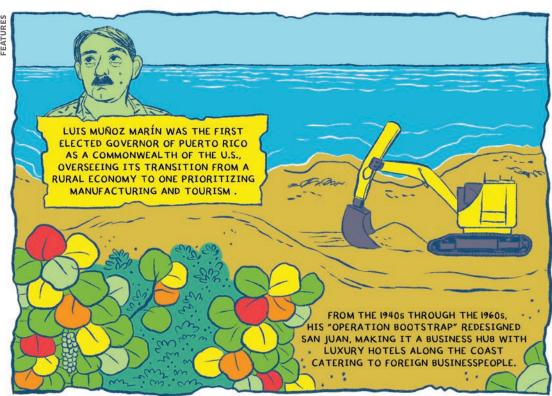
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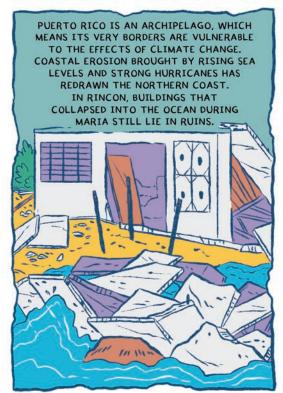






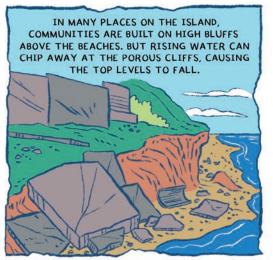


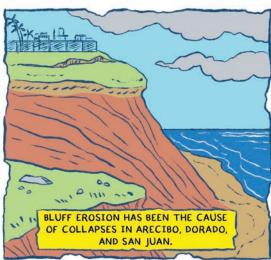






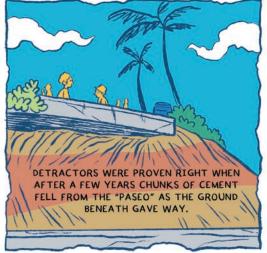










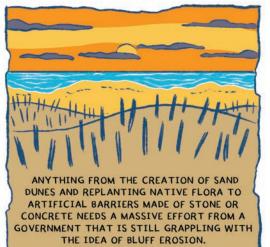


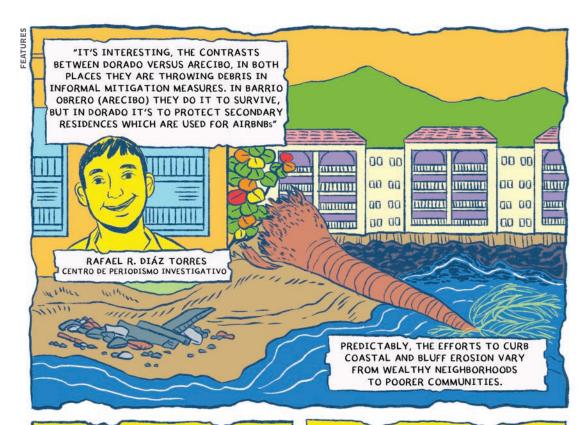


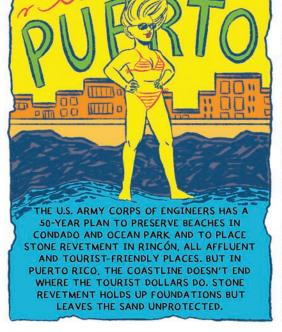


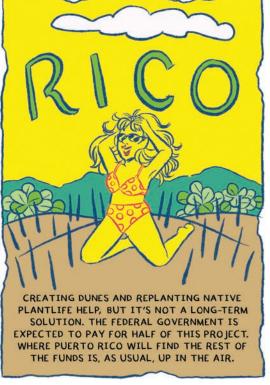


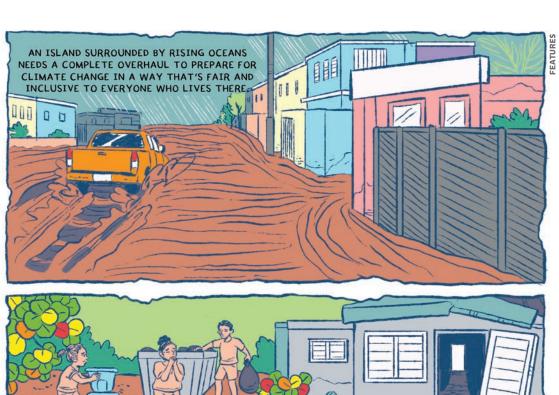


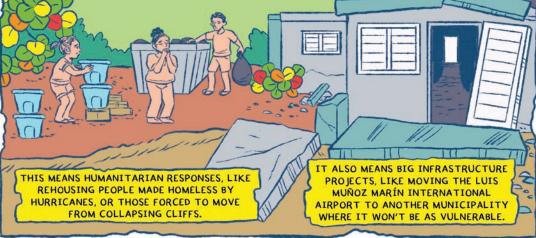




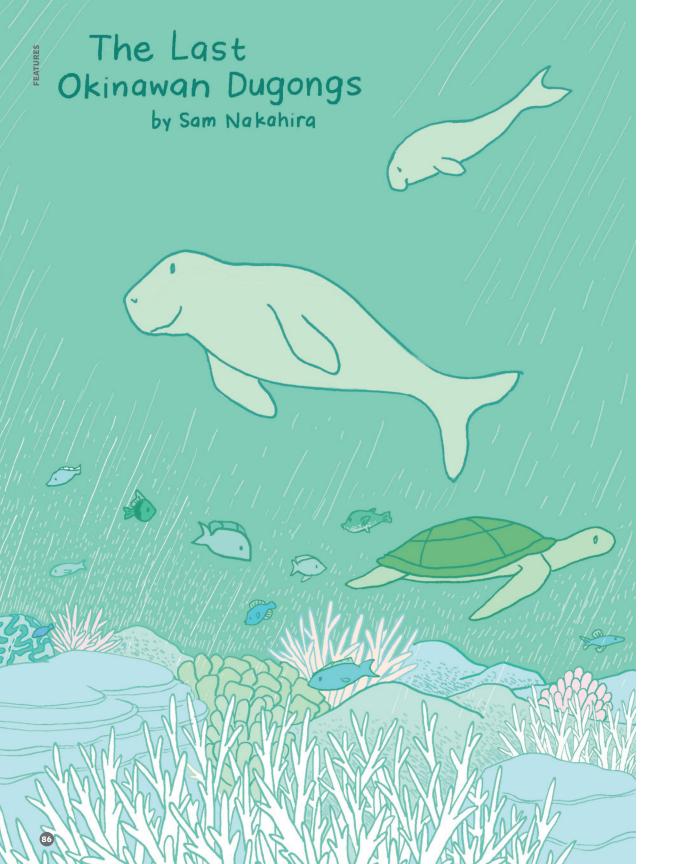












The Okinawa dugong is a gentle sea mammal, revered by its fellow sea creatures and also treasured by the Ryukyuan people/Uchinaanchu, indigenous to Okinawa.

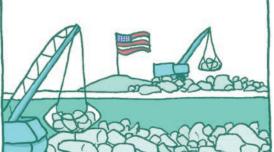


In the Ryukyuan people's ancient folktales and mythology, it is said that the gods from Niraikanai (afar) travelled to Okinawa by riding on the backs of the dugongs.

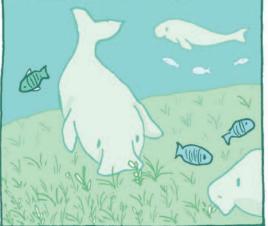
For thousands of years, the dugong thrived together with indigenous Uchinaanchu.



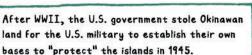
Robert Kajiwara, director of the Peace for Okinawa Coalition "Only in recent times, under the U.S. and Japanese occupation, has the dugong become endangered."



Fewer than 50 dugongs live in Okinawa's waters today.



The Japanese government estimated that between 2009 and 2013 the population has potentially dwindled down to only 3 dugongs.





Okinawa was an independent kingdom prior to annexation by Japan in 1879 and is still home to the indigenous Ryukyuans.



The group Okinawa Women Act Against Military Violence argues that the military occupation is a violation of human rights.

Since the Battle of Okinawa in 1945, U.S. soldiers have committed sexual violence against hundreds of local women and underage girls, many cases of which have not been prosecuted.

The landfill that the U.S. military is using to build their latest base has been taken from burial grounds of Ryukyuan civilians and Ryukyuan, Korean, and Taiwanese conscripts who were forced by imperial Japan to fight and die at the hands of American soldiers during the Battle of Okinawa.



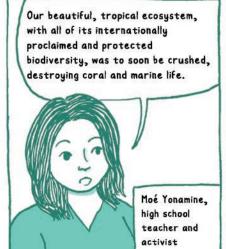
Thousands of Ryukyuan people regularly

So many lives are being sacrificed to preserve the U.S.-Japan security alliance.
One must question, whose security is being protected?



landfill into the bay, killing off the coral reefs, the seagrass that the dugong live off, and over 5,300 marine species.

Under the U.S. military occupation, the indigenous Ryukyuan people and wildlife are facing displacement and destruction of their homes, noise and soil pollution, and contaminated waterways.



Okinawa's Henoko-Oura Bay,

the last remaining habitat for

the Okinawa dugongs, was once

called the Galápagos of the East.



But, to make way for their Henoko base in 2018, the U.S. military destroyed and dumped



Maybe if you live in the U.S., it's hard to imagine, but living on a small island like Okinawa, the physical reality is there.

"We have a beautiful environment, but in the same area, we also have military bases. Environmental protection is part of the peace movement. If you want to create a peaceful world, you have to protect the environment."



The fight to protect the dugong from extinction has become a symbol of the Ryukyuan people's struggle against American and Japanese imperialism.

anthropologist and director of the Save the Dugong Campaign Center

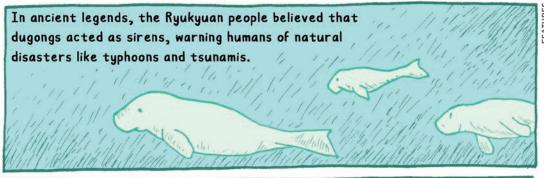


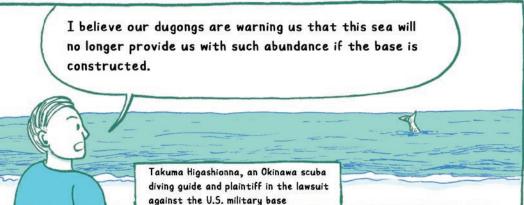
In 2003, four Japanese and American environmental groups and three Okinawan individuals sued the U.S. military for their Henoko base expansion plans, invoking the National Historic Preservation Act to protect the Okinawa dugong.



In 2020, the U.S. 9th Circuit Court of Appeals ruled in favor of the Pentagon and U.S. military bases, reaffirming previous rulings. The Okinawa dugong did not qualify for protection as a symbol of culture because the court did not understand the animal's cultural and historic importance.



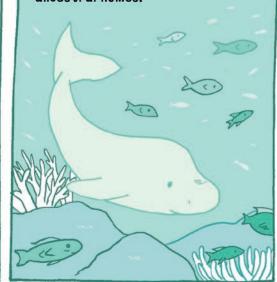


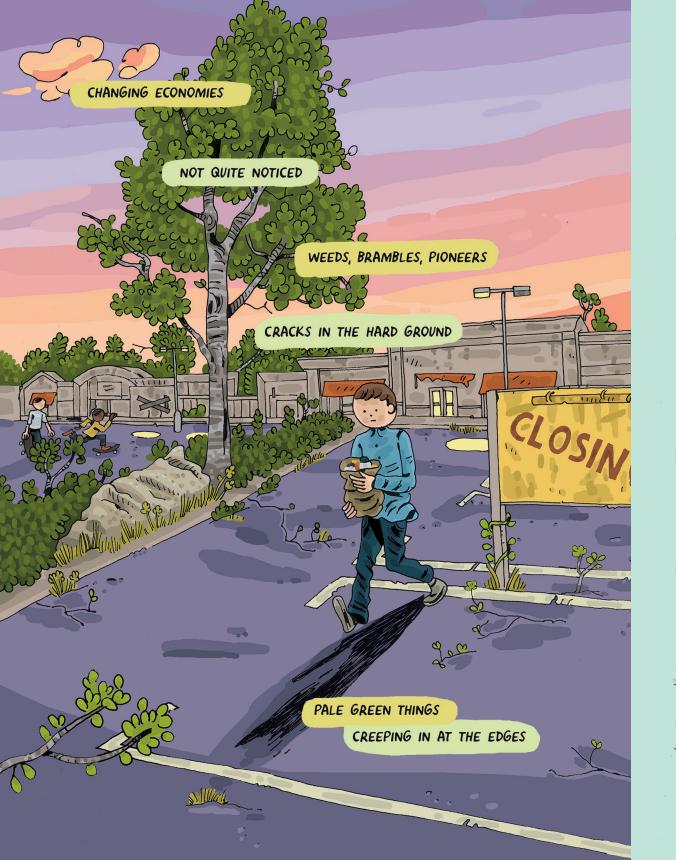


As the world's largest polluter, the U.S. military currently operates around 800 bases. Areas under occupation face similar problems to Okinawa.



Connected by the same ocean, somany communities and marine creatures around the world suffer from the loss of life and ancestral homes.







### A BEGINNER'S GUIDE TO

## URBAN FORAGING

DISCOVER THE CORNUCOPIA OF DELICIOUS TREATS THAT MOTHER NATURE
HAS PROVIDED - RIGHT OUTSIDE YOUR FRONT DOOR!

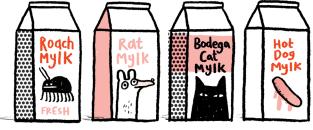






## THAT MAY OR MAY NOT HAVE BEEN PEED ON \* PROBABLY?

### BREW YOUR OWN KOMBUCHA!



A WIDE SELECTION OF ALTERNATIVE MILKS





















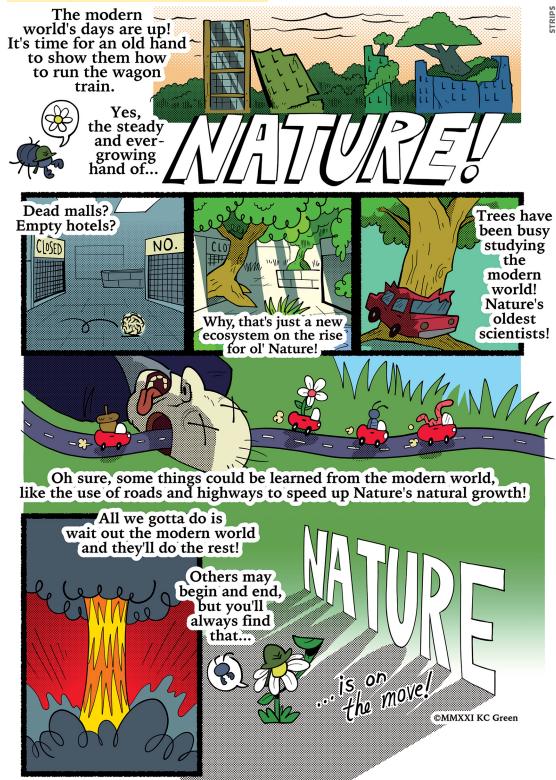












## POV: YOU ARE ME IN THE YEAR 2002

▶MATTIE LUBCHANSKY

GRIFFIN WANTS TO GO ON A WALK IN THE WOODS. YOUR CELL PHONE IS TOO BIG FOR YOUR PANTS POCKETS!





IT'S BEEN AN HOUR OR SOMETHING, YOU WOULD LIKE TO GO HOME

GIVE GRIFFIN THE PHONE, HE HAS CARGO SHORTS



TELL GRIFFIN YOU'LL MEET HIM BACK AT THE CAR IN A LITTLE BIT











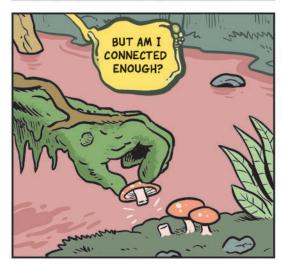




FRED RITTER WAS A HUMBLE BOTANIST, UNTIL AN ACCIDENT WITH AN EXPERIMENTAL TRANSGENIC PLANT FORMULA TRANSFORMED HIM INTO...









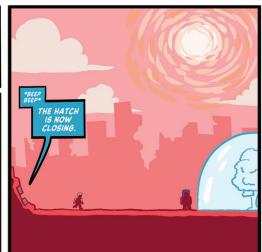
















## Find the Fish!























Butterfly Fish Emperor Angelfish Clownfish Watchman Goby Parrotfish

Cleaner Wrasse

ash S.

## WHY DID I AGREE TO GO ON A CAMPING TRIP?

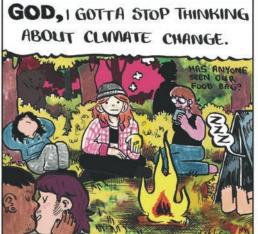










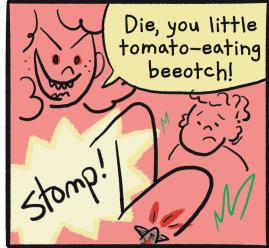






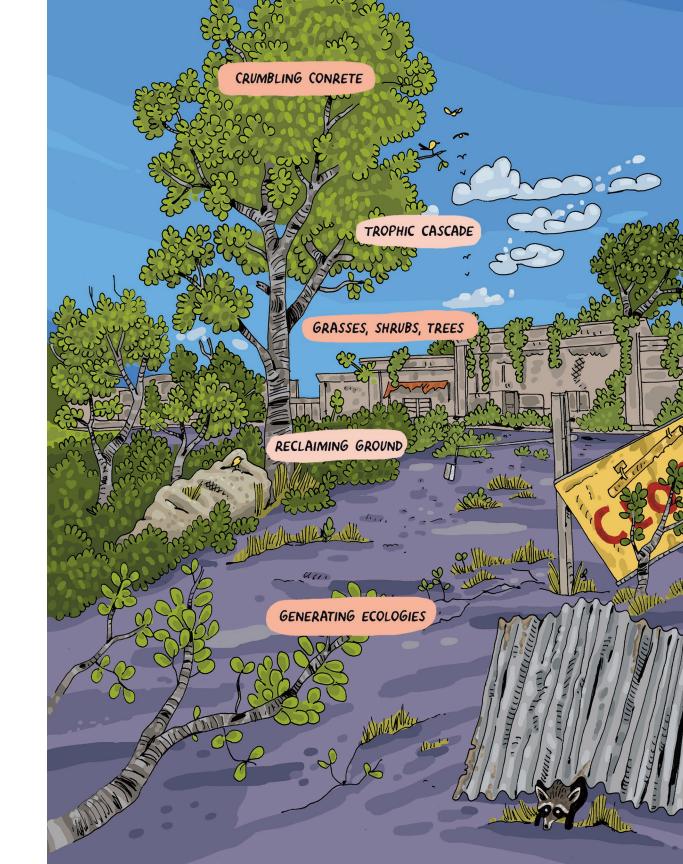












What's Your Favorite Spot in Nature?

Caño Cristales in La Macarena, Meta (Colombia), the river of seven colors, where utopian dreams take hold. — Felipe



Chesterman Beach, Tofino, BC:
We go every year and spread our
son's ashes there. — Ricardo

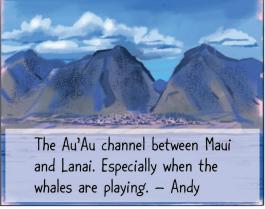


I live on a mountain overlooking the White Sands National Park. We try to go there monthly right after opening when it is quiet. — Steven

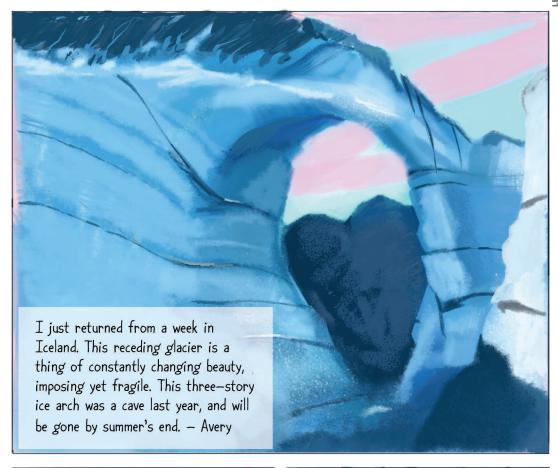


Henry Cowell Redwoods State Park has so many wonderful views, but the best view is just looking at the trees. — Steve





Ah, the great outdoors! We asked The Nib's Inkwell members to tell us their favorite spot to get outside and touch some grass. Beautifully illustrated by Linette Moore.















#### **MASTHEAD**

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**Alexandra Beguez** is a Cuban-American illustrator and cartoonist based in New Jersey. Her work explores the themes of overcoming hardship and unconventional relationships. Her family's immigrant history also informs much of her work. Her favorite natural satellite is Saturn's moon Titan, the only known moon to have a dense atmosphere and stable bodies of surface liquid.



Rosa Colón Guerra has been self-publishing comics with her friend Carla Rodríguez for over ten years as Soda Pop Comics. She's been published in The Nib, The Believer, The Lily, and the Eisner-winning Puerto Rico Strong anthology from Lion Forge as well as the Ignatz winner Be Gay, Do Comics! If you ask nicely, she'll explain the difference between a maga flower and an amapola.





**Peter Kuper** was born on planet Earth between the first and second millennia. Peter (from the ancient Greek meaning "rock") lives in an asphalt jungle on the island of Manhattan.



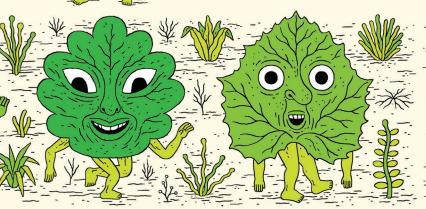
**Kay Sohini** is a comics maker based in New York and is currently drawing her doctoral dissertation Drawing Unbelonging, a graphic narrative. She has 6,489 photos of sunsets on her camera roll but she can stop at any point.





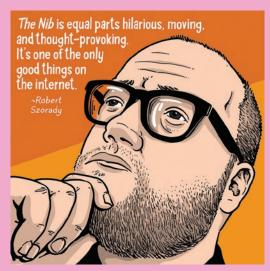
Arigon Starr is an enrolled member of the Kickapoo Tribe of Oklahoma and an artist, writer, actor, and musician. Arigon is based in Los Angeles, California, and lives to have her toes dug into the sand, listening to the ocean.



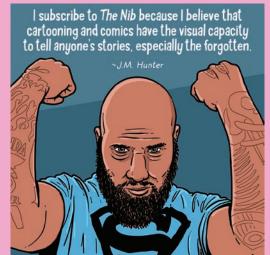


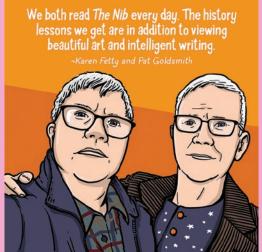
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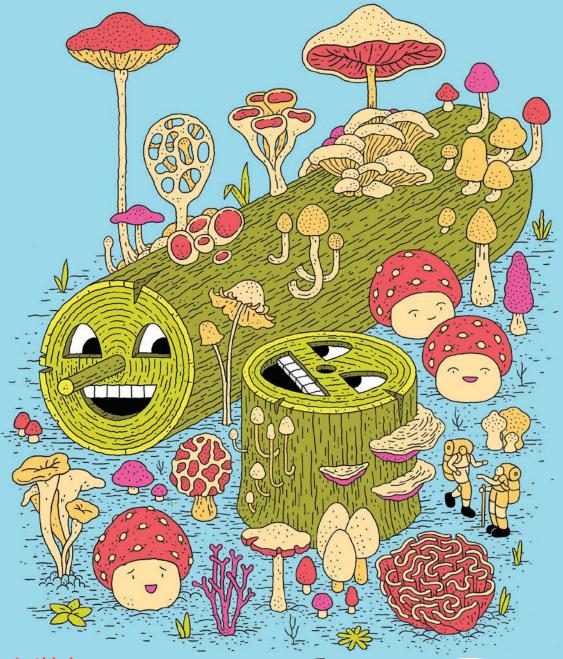
Daniel Cousineau

Cam Cowan

Jennifer Konikowski

Jason Robbins (he/him), Architect





#### In this issue:

From the smallest microorganism to the highest mountain, we went outside to explore our natural world and report on the beauty, power, and majesty of nature.

Featuring over 30 tree-hugging cartoonists!

