Saving The World by Changing The Rules By Nicolette Madding The Rules

"Our house is on fire, I am here to say our house is on fire." These are the words plain-spoken teen activist Greta Thunberg used to address businesspeople and world leaders at the 2019 World Economic Forum. Thunberg is a 16 year-old student from Sweden, who caught the world's attention back in August of 2018 when she stood outside the Swedish parliament to protest the increase in carbon emissions. Since then, Greta has gone on to make many speeches and organize countless protests with her organization Fridays For Future. Her TEDx Talk has over 1.5 million views on Youtube. This year, she sailed emission-free from Plymouth, England to protest outside the United Nations Climate Summit in New York. Her activism, however, is not the only thing that makes her special.

Thunberg was diagnosed with Asbergers, a condition on the autism spectrum that affects com-Thunberg writes, "I have Asperga bit different from the norm. And - given the right circumstancesbeing different is a superpower,"

diagnosis has limited her previprotesting for what she believes.

simple; why spend effort becom-

explaining later that though her onates with many other students around the globe. Since March of ously, she has found purpose in 2019, 3.6 million students across 172 countries have participated in Thunberg's philosophy is strikes according to FridaysFor-Futre.org. Many students agree



@GretaThunberg on Twitter

munication and movement, but it

Thunberg smiling triumphantly off the coast of New

Thunberg smiling triumphantly off the coast of New doesn't hold her back. On Twitter,

Thurs a superior "I have A superior be to be changed. Everything needs

York shortly after telling trolls to back off on Twitter to be changed. Everything needs

ers and that means I'm sometimes ing educated when our govern- with Thunberg's message, allowments do not listen to the educating her to gain a significant teen ed? Why study for a nonexistent following. future? This is a message that res-

Thunberg has a different message for adults, some of who mock and belittle her matter-of-fact way of speaking, "I want you to panic. then I want you to act." She believes politicians are not treating climate change for what it is: a crisis. Even though she comes from one of the few countries with the most progressive policies, she knows it's not enough.

She wants action and she wants it now. This wish for action is the main reason she stood outside the Swedish parliament back in 2018, and the reason she continues to speak publicly about this issue. She wants students to "work together, despite our differences" and think about the bigger picture.

In Thunberg's 2018 TEDx talk she explained, "Today, we use 100 million barrels of oil every single day. There are no politics to change that. There are no rules to keep that oil in the ground. So we can't save the world by playing by to change, and it has to start today." And Thunberg is staying true to her ideals, even if they lead her halfway around the globe (carbonfree of course) to share them.

"The next president is going to be the last person who has a chance to stop climate change helped to form numerous environ- to continue making the same types These

when it will still matter." are the words of John Hickenlooper, former Colorado governor and current presidential candidate. This statement clearly illustrates the importance of climate change for the upcoming presidential election. The United Nations' Intergovernmental Panel on Climate Change released a study that showed the world has around twelve more years to work towards reversing climate change before it is too late, adding increased pressure for world leaders to be more eco-friendly. This led to the formation of the Paris Climate Agreement, an agreement between 169 countries worldwide to reduce carbon emissions by over 20% in a period of ten years. However, the United States is set to withdraw from the agreement, even though the US is the second largest producer of carbon emissions. This sparked outrage among climate activists everywhere, and provided an opportunity for presidential hopefuls. With the conversation and visible consequences of climate change coming into the spotlight on a global stage, the issue has become a vital part of any campaign for the 2020 presidency. Each and every candidate running for president has a strong stance on climate change, and most, if not all, have released plans to help save

The first of these candidates is Joe Biden (1.), the former Vice President from Pennsylvania, who has a large resume when it comes to support of eco-friendly

Earth. The website Greenpeace.

org has given each candidate a

grade based on their climate pol-

icy, which will be given at the end

of their respective sections.

mentally-beneficial laws put into place under Obama, and Biden was one of the first to introduce a climate change bill to the senate. However, Biden used to support a practice known as clean coal, which is, in fact, not clean. The idea of making clean coal is to trap greenhouse gasses released by the burning of goal; however, this process end up releasing more gasses than it traps, causing it to fall out of use. (Climate Grade: B+)

Cory Booker (2.), a Demo-

practices. As Vice President of rules to reduce carbon emissions the Obama administration, Biden in South Bend, and has promised of eco-friendly laws as president. (Climate Grade: B)

> Julian Castro (4.), former Secretary of Housing and Urban Development for the Obama administration and mayor of San Antonio from 2009 to 2014, hasn't yet released a climate policy, but has said that his first executive order as president would be to recommit the US to the Paris Climate Agreement. Castro has also set a goal of net zero emissions by 2045, which he plans to reach by ending fossil fuel subsidies. (Cli-



Image by Nicolette Madonna

All of the 2020 candidates have unique positions and plans to combat the climate crisis

tory of supporting green bills, and has announced his support of the Green New Deal. He has been critical of fracking, a practice of removing fossil fuels from the ground that releases large amounts of greenhouse gasses, in the past, and, unlike most candidates, supports the use of nuclear energy. (Climate Grade: A-)

Next, Pete Buttigieg (3.), the mayor of South Bend, Oregon, has taken a strong stance on climate change, saying "This is a generational project. It's going to have to be a national project." As mayor, he introduced laws and

mate Grade: B)

Kamala Harris (5.), a senator from California, a state which is usually on the progressive side in terms of reversing climate change. In the aspect of climate change, Harris most notably is opposed to fossil fuel companies and is in support of the use of nuclear power for energy. Her climate plan would see the investment of \$10 trillion over ten years to help change the US' economy to be completely green, with the goal of a completely clean economy by 2045. (Climate Grade: B+)

Amy Klobuchar (7.), one

of Minnesota's senators, has a history of being an environmentallyfriendly politician, as her first ever bill introduced to the Senate was one that tracked the carbon use of major companies. Additionally, she has laid out a plan for her first 100 days in office that includes the restorement of the Clean Power Plan, reenrollment of the US into the Paris Agreement, and strengthening of the Clean Air Act. Klobuchar also co-sponsored the Green New Deal, which is widely-supported by numerous candidates. (Climate Grade: C+)

Beto O'Rourke (8.), a former congressman from Texas. 6 Since he is from Texas, a state predominantly run on the oil industry, it is no surprise that he has ties to the industry. However, O'Rourke was the first to release a plan designed to reverse climate change, promising to reduce carbon emissions to net zero by 2050. His plan includes a "cap-and-trade" approach to carbon emissions, essentially setting a max amount companies can emit, and then charging them for any extra that is emitted. (Climate Grade: B-)

The next, and possibly most radical, candidate is Bernie Sanders (9.), who has released what is probably the most comprehensive and ambitious climate plan so far. While a Senator, he introduced the most detailed climate bill to ever see the Senate floor, one which called for a carbon tax and dividend. Sanders is also known to oppose fracking and support a carbon tax, and successfully pushed for a \$3.2 million investment in green energy during the Obama administration. Sanders' climate plan calls for the investment of \$16.3 trillion over 15 years into renewable energy and public infrastructure.

Continued on page 4

The student staff at John F. Kennedy High School's Titan Γribune has decided to join morε than 170 news organizations oledging to covering the climate erisis. Columbia Journalism Reriew, a well-known journalism outlet, has partnered with newsnan Bill Moyers, The Nation, and The Guardian to "tell the story so people will get it." We here at the Γitan Tribune agree, there's not enough complete coverage of the effect climate change will continue o have on our daily lives. It is biger than us and our generation and he climate crisis, if not avoided vill drastically affect every aspect of everyday life. The climate crisis s an issue, we take extremely seriously, so we're dedicating the first paper of the school year entirely to covering the most pressing con-

cern of our generation. Because any change in he climate will affect all parts of our daily routines, we're coverng everything from eco-friendly nakeup to politics to movies. Even our monthly horoscope is altered o revolve around the climate. Page through to find current news on recycling, nuclear energy, and deforestation. However, one cannot simply focus on the bad, solvng the climate crisis is all about hange. Therefore, we not only oledge to cover the climate criis so people will understand, we oledge to cover the climate crisis and push for solutions.

Γο uphold this promise, ten of our student staff joined more than esting in the Bay Area to cover the trike in San Francisco on Septemer 20th. Amid the shouts of "You an't stop the revolution!" and Climate Justice!" our reporters nterviewed kids and teens walk ng amongst the crowd. In an atempt to change our path before t's too late, children have taken his responsibility into their own ands. When asked why she was triking today, nine year old Rosa eplied, "I don't want our planet o die." She was inspired by Greta Thunberg, like many others, a 16 ear old climate activist who began striking in August 2018 and vho called for the global strike on the 20th. This strike coincides vith the United Nations Summit on Climate happening this week ir New York. Some reports estimate high of more than one million eople under the age of 19 joining n on the week long protest worldvide. Collectively, we hope our ask or change is heard by adults in power and solutions proposed are eriously considered. Kids around he world are doing their part, are



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When you go out of your heading towards a massive sani-

environment to not recycle. Re-

cently, sanitation workers have

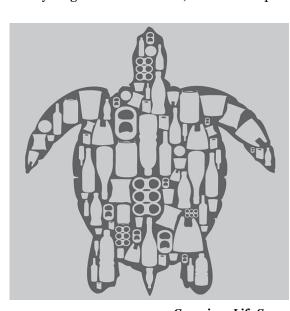
been sending recycling to land-

HAD a recycling club? Currently, of waste per pupil each academic the recycling club is a non-existing club that used to beautify and help Kennedy High School become a greener school. This was done by gardening and recycling waste at school, we could help the

around the campus by students and Ms. Espinoza, one of our science teachers. Why is it a nonexisting club? Lack of student interest is the main reason; many students would join the club to be able to say they were part of a club or to say they were club officers, instead of joining out of true interest and concern for the environment, especially now when we need it the most. By bringing back the recycling club, according to New

Hampshire the Beautiful, schools that maintain effective environmental clubs not only remove materials from the waste stream, but would also: save valuable landfill space, conserve natuservice hours, reduce disposal help the environment.

Did you know our school secondary school produces 22kg year? The amount for primary schools is even higher at 45kg per pupil according to Recyclenow. By recycling and reducing a lot of this



Conscious Life Space Unrecycled materials from our school

environment greatly. For example, by recycling one ton of paper, 24,000 gallons of water are saved, 3 cubic yards of landfill space are eliminated, 60 pounds of air polral resources, provide students lutants are eliminated, enough energy to power the average home costs, and empower students to for 6 months is saved, around 20 trees are saved, and 4 barrels of Bringing back the recy- oil are saved. Therefore, if you cling club would encourage more are interested in making a differstudents to help with our climate ence and bringing the club back crisis, starting with our campus. you should go to Ms. Espinoza for Did you know that the average more information.

Life is everywhere, and so stunned at his findings when he examined rainwater samples from ed the samples in 2017 and published their official report in Auteam found that over ninety per-

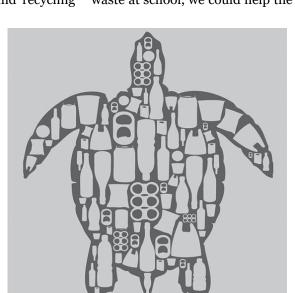
tained micro plastics. Even samples collected from locations far from major cities, including those taken from a height of over 2,000 meters above sea level in the Rocky Mountains, possessed significant concentrations of plastic. While Weatherbee explained in his report that his team did not have the

resources to de- Patagonia's **product** ate the plastic prob-"Guppy Friend" helps lem. "The Guppy termine the specific source of the **keep micro plastics out of** Friend" is essentially sewer systems plastic fibers, he

UPPYFRIEND

Washing Bag

did state in his tion of plastic in remote locations indicated that "wet deposition of plastic is ubiquitous and not just an urban condition." The majority of the micro plastics Weatherbee found appeared to be microfibers that originated from synthetic fabrics, such as those that are common in many current fashion trends. In fact, a group of UCSB students partnered with Patagonia, an American clothing company, to delve further into the issue. Their completed work was printed in a journal titled Environmental Science and Technology. According to The Current, Niko Hartline, an author of the paper, commented, "We found, by our estimate, that around 100,000 of these fi- made from natural materials, such bers can be released from a single as cotton. jacket in each wash."



can pollute animal habitats

Most water treatment is plastic. Gregory Weatherbee, a plants do not have the resources leading researcher for USGS, was or technology to filter out miniscule microfibers. This means they would pass through the waacross Colorado. His team collect- ter treatment system before being dumped into oceans, lakes, and rivers. Ocean life mistake these gust 2019. Originally, he had been microfibers for food, and eventuresearching nitrogen pollution ally they end up being consumed throughout the state. Instead, his by anyone who eats seafood.

The discovery of plastic cent of the rainwater samples con- microfibers in rainwater and seafood is frightening,

but there is a fairly easy solution. A pair of German entrepreneurs, Oliver Spies and Alexander Nolte, developed a product named "The Friend.' Guppy Spies and Nolte owned a chain of clothing stores that sold the very type of ackets responsible or shedding hundreds of thousands of microfibers, and English Lass in LA they sought to allevi-

a laundry bag woven from nylon mesh. USGS report that the concentra- The mesh acts as a filter that traps microfibers, so once the laundry cycle has run, the microfibers can be collected and disposed of appropriately. Patagonia currently sells "The Guppy Friend" in most store locations, giving individuals a cleaner, greener way to wash their synthetic clothes.

It is easy to lose hope when faced with the plastic the world is currently drowning in, but individuals can take heart in the knowledge that large, influential companies like Patagonia are working with researchers to find solutions to the plastic problem. Additionally, anyone can contribute simply by avoiding synthetic clothes and instead buying clothes

WN-EXSTING RECYCLING CLUB | Environment's Super Jobs

■ **@ J**fkTitanTribune

By Alyssa Pulido

what they want their career to be, of those students thinking of a future job and vou're interested in helping the world's climate problem, listed below are 4 jobs you ment. Public specialists center may want to consider as a career their attention on issues involving in the future. **Climate Change Analyst**

First up on the list of jobs to consider is a climate change analyst. What this particular job

change. If you're interested in studying how climate change will affect ocean and land temperatures, this career is for you. This job requires you to be able to organize and filter through large amounts of data, and have great communication skills. To determine how changes in the climate will affect natural resources, animals, and civilizations, a climate change analyst gathers data such as atmospheric temperatures, ocean conditions, ice masses, and greenhouse gases. Then, they create visuals and demonstrations

to present to the public. Most of an analyst's work is done indoors, as they analyze their data and write down their information. This is future of our planet determines Wind Turbine Technician whether or not a high-quality life can be guaranteed for those facing the ever-changing environment. **Environmental Public Rela**tions Specialist

When students are asked lations specialists also focus on able energy that wind turbines skills, creativity, and good judgethe environment and its endurfice researching and communicat-

educating the public on solutions. provide is actually helpful for the many have already decided, while A bachelor's degree in communi- environment. Unlike other sourcsome have not. In case you're one cations, public relations, market- es of energy that rely on fossil fuing or journalism is required as els instead of renewable sources, well as problem-solving, research they reduce the amount of air pollution and carbon dioxide in the air. Wind technicians install, inspect, maintain, operate, and repair wind turbines. They work ance. They work mainly in an of- either hundreds of feet above the ground, or in confined spaces. ing with organizations about Technicians need to have mepossible solutions. Although their chanical skills, good judgement, takes care of is the social and en- job is a challenge, specialists try and continuous stamina in order vironmental impacts of climate their best to make a difference in to do well. In spite of the fact that being a wind tech-

nician is involved with danger, they get to live knowing that by maintaining a wind turbine in good conditions. they are providing a clean source of power. Ultimately. this will lessen the amount of pollution in the air. By working as a climate change analyst, an environmental public relations specialist. or a wind turbine

lems and solutions of the climate cri-Net Nebraska Sis.

technician, hu-

mans can become

aware of the prob-

career as a climate change analyst be done. It is up to us to try to help or an environmental public rela- and put more care into the state of tions specialist interests you, as a the climate. If you're one of those wind turbine technician, you get students in search of a career, take Similar to climate change to work hundreds of feet in the these jobs into consideration to

Turbine technicians can work Hundreds of more jobs exup to 525 feet above the ground ist in the world that help the climate and the environment an important job considering the how people treat the environment. provide a better future for our generation and generations to In the case that neither a come. This proves something can



. Tropical Weather for everyone!



2. Survival of the fittest; tighten up global population



. Fremont will be beach front property



4. No more bees left to sting us!



5. Florida—gone



6. Polar Bear fur coats in fashion (they won't need them anymore)



. Greenland finally will be green





8. GOP will be right for once



10. Finally, something big to unite



SAPPFARTNG FNND **By Bikram Bains**

climb 9.7 billion by mid-century, late summer. but the global food supply is predicted to plummet. Crops are going to eventually lose is coffee. trees in Ethiopia and central Afbeing wiped out or damaged by Coffee can't grow in freezing tem- rica. The trees are native to these storms, weather volatility, shifting seasons, insect infestations the plant needs a consistent templanet. Jerry Hatfield, the director Agriculture and the Environment, Brazil is the biggest coffee produc-

says the single biggest threat

of climate change is in fact, the

collapse of food systems. Hat-

field commented on this threat,

"Other threats — flooding,

storms, forest fires — may be

more sudden and severe in cer-

tain regions, but disruptions in

food supply will affect virtually

everyone." Some of the crops

that are going downhill, like al-

monds and coffee beans, are vi-

tal to the whole world, not just

single source of vegetables and

the primary source of almonds all

around the world. The farms in

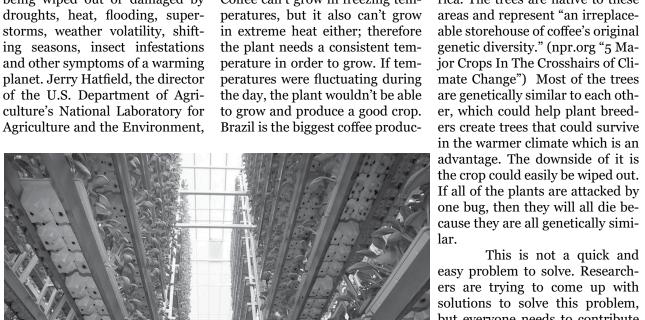
California rely heavily on the snow

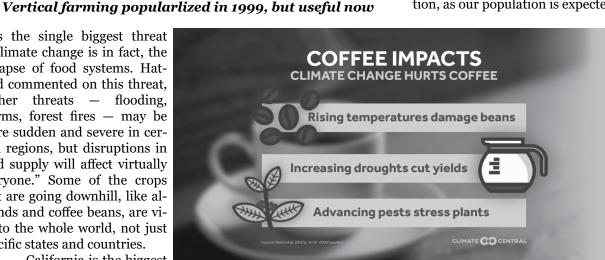
California is the biggest

specific states and countries.

If you think the climate come more often as rain. The snow the coffee to a cooler region of crisis won't affect you personally, that does fall will melt much more the country but researchers didn't then you would be wrong. The quickly, leaving farmers rushing think the new growing areas will human population is expected to to find water to keep crops alive in make up for the crops that have

Another crop that we are will also affect the native coffee





Climate Centra

hands

Climate change affects coffee crops and production

gation canals. As the weather gets storms to occur more frequently. be proposed and tested. warmer, winter precipitation will The idea was proposed to move

that melts from the Sierra Nevada er in the world, but as the earth to exceed 9 billion by 2050. This Mountains during the summer. heats up, most of the growing re- is just one solution to help slow The water from melted snow is regions won't be sufficient because down our loss of food, but there sponsible for filling the state's irriof the heat; this would cause rainare more, and more solutions will

way to drop your plastics in the re- tation crisis. The overflow is so cycling bin and sort your waste you bad that it's more helpful to the feel as if you are doing your part in helping the environment. Not letbeen lost. Rising temperatures ting landfills pile up with non-biodegradable junk and getting your fills, where it will sit for a very long plastics to where they should be. time. This results in piles of waste Recently however, recycling is no in our oceans, beaches, and many longer the solution. The solution is other ecosystems, which hurts

to use less and reuse.

cheapest processing. This went on

for thirty years through the 90s

and 2000s until March 2019. On

on 24 types of plastics that they

had been processing for years. The

reason for this is that plastics are

much dirtier and less pure than

before. That increases the cost of

processing making it unprofitable.

China is also not the only country

that has been processing recycling

that stopped. India, Malaysia, and

Thailand have also stopped pro-

cessing other nations' recycling

due to less economic incentive

at a faster rate than we can get rid

of it. If this continues we could be

ers create trees that could survive in the warmer climate which is an advantage. The downside of it is the crop could easily be wiped out. If all of the plants are attacked by one bug, then they will all die because they are all genetically simi-

This is not a quick and easy problem to solve. Researchers are trying to come up with solutions to solve this problem, but everyone needs to contribute to the solution. People are trying to fix this, and coming up with creative solutions such as vertical farming. "Vertical farming is the practice of producing food and medicine in vertically stacked lavers, inclined surfaces or other surfaces that the plants have been ntegrated into." (Vertical farming Wikipedia) Vertical agriculture The Indenpendent will help increase the food production, as our population is expected

American recyclables that end up in landfills many animal species. According While China was still an to the Sea Turtle Conservancy over emerging economy, it started to one million animals were killed due to plastic pollution, this does process our recycling to inject not include the amount of land money into their country. America and many other countries would animals that were and continue to

ship their scraps to China for the be impacted. If this continues, we

we destroy our environment. However, we can fix this. that date, they implemented a ban As we speak there are multiple companies working on building more processing plants, and scientists working on ways to efficiently break down plastic. In fact, a waste collection company, Waste Management, has started to implement robots to sort through plastics to be properly recycled. The job to take care of this recycling crisis is not just left to companies, but also to environmentalists at home. There has been a recent surge in and the overwhelming amount of the ways people have been reusplastic. This has caused a ripple ef- ing their recycling. The uses range fect across the country. There is a from DIY crafts, gardening, houselack of recycling processing plants hold uses, and even fuel! We canin America, due to our practice of not forget just how profitable and sending scraps to China. For that useful recycling can be. If we keep reason we may have a crisis in our that in mind going into the future, it will be easier to find ways to save Now, plastic is piling up our environment.

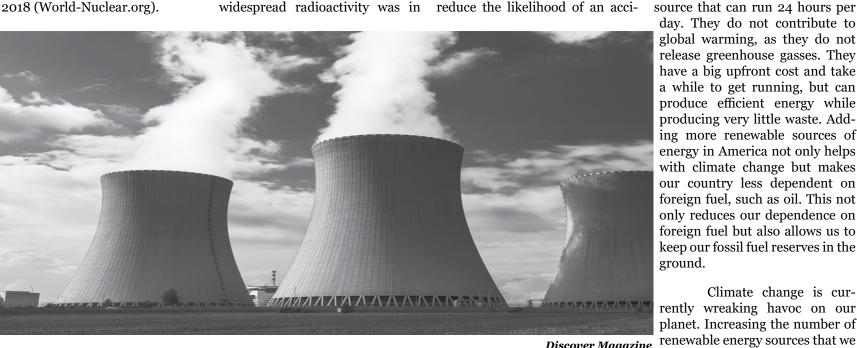
will accelerate the pace at which

By Dhiraj Bomma

world is heating up at an alarming 2018 (World-Nuclear.org). rate, due to the steady amount of greenhouse gasses released globally. If the world continues to heat up at the rate it has been of 1.6 degrees Fahrenheit in the last few decades (Climate.Nasa.gov), there will be horrific results. Hurricanes are becoming stronger and more intense, ice caps are melting, and sea levels are rising. If we humans cannot find an alternative to energy sources releasing greenhouse gasses, the world will change drastically.

Nuclear energy is a type of renewable energy produced through thermal power stations in nuclear plants. The energy is renewable because the waste produced by the reactor can also be used as a fuel source. A nuclear energy plant can produce energy throughout the entire day, unlike solar panels which require sunlight. There are currently 30

A pressing issue humans 807 TWH, or 19% of the United mercial nuclear power opera- ar plants are built over nearly five across the world are dealing with State's electricity production, tions" (World-Nuclear.org). The years, match safety standards, and port nuclear reactors is the fact currently is climate change. The which was about 4,200 TWH in only major accident that released have competent staff, which all that they are a renewable energy



Discover Magazine

Nuclear power plants must be used if we hope to reach 0 carbon emmissions by 2050

Some people do doubt the Fukushima. It was due to natu- dent. In the media, nuclear power safety of nuclear power plants, ral disasters in the area causing plants are portrayed as dangerhowever, they are much safer than damage to the nuclear plant site, ous due to a lack of understanding a goal that people across the globe of these plants across the United the name would suggest. Major which did not meet basic safety and the novelty of the generators. States, the majority of which lie nuclear plant accidents have only requirements. However, nuclear Many myths surround them, such efits all of us and future generaon the eastern side of the US. They happened 3 times in "over 17,000 are responsible for approximately cumulative reactor years of com- media would make it seem. Nucle- ally unsafe.

plants cause less harm than the as they can explode or are gener-tions.

day. They do not contribute to global warming, as they do not release greenhouse gasses. They have a big upfront cost and take a while to get running, but can produce efficient energy while producing very little waste. Adding more renewable sources of energy in America not only helps

The biggest reason to sup-

with climate change but makes our country less dependent on foreign fuel, such as oil. This not only reduces our dependence on foreign fuel but also allows us to keep our fossil fuel reserves in the ground. Climate change is currently wreaking havoc on our planet. Increasing the number of

renewable energy sources that we have will only help reduce greenhouse gas production and ultimately slow down climate change. Taking care of the environment is should strive to achieve, as it ben-

By Andrea Valerio

Hurricane Dorian made 26 to Aug. 28, in the Bahamas. The storm affected nations that had been devastated by previous hurricanes Irma and Maria in 2017. that more than 70,000 residents to the Bahamas by sea or air.

the hurricane. In total, USAID is cyclone from Sept. 7 to 8. Its powlandfall as a category five on Aug. funding more than \$2.8 billion to erful winds and heavy rains tore kids, and water containers to residents of the severely impacted Bahamian islands, Abaco and Grand One week after the catastrophic Bahama. The fund will also help damage, researchers estimated transport US government supplies had been left without shelter or Another area severely affected was



Destroyed houses in the wake of the hurricane

food. Despite all the efforts and Cape Lookout National Seashore, relief of support from the interna- a coastal shoreline in North Carotional community, residents are lina. Dozens of new inlets have still scrambling to find shelter, been cut into the sandy beaches, while others are struggling to find and historic cabins and villages their loved ones. On Sept. 8, the have also suffered damage. The This will become more noticeable government recorded the death damage done to Cape Lookout toll at 44 deaths, and stated that National Seashore has made the population along coastlines. The the numbers are expected to rise. area unlivable and a severe safety research also projects hurricanes The Bahamian government also hazard. Dorian created 54 new in- will double or more in frequency of | cal leaders in society. India, which worse sanitation. stated that around 3,500 evacu- lets on the beach, which the Na- a category 4 or 5 storm by the end ees arrived at the capital Nassau. Most of the displaced were from the most affected areas, Abaco and To hastily restore the damage by one to four feet globally. Recent Grand Bahama. Officials worry done at the national seashore, 68 experiences with superstorms, that as more evacuees arrive, Nassau may not be prepared for longterm care. With all the damage caused by Dorian, it is unknown and declared a state of emergen- ronmental crisis any longer, it is how many bodies may be under cy were Florida, South Carolina, essential to do whatever we can the rubble. On Sept. 7, Mark Green

tional Development Administra- suing mandatory evacuation or- for our own coastal devastations? tion (USAID), aided the Bahamas ders. with one million dollars and humanitarian assistance to assist a category five hurricane, but later Bahamian residents affected by decreased to a strong post-tropical

provide food, shelter, hygiene to across Canada's Atlantic coast, leaving hundreds of thousands of people without power while the storm made landfall near Nova Scotia. Hurricane Dorian was one of the most powerful Atlantic hurricanes ever recorded. The destruction left behind has severely impacted the Bahamas, Southeastern United States, and Atlantic Canada. According to Wikipedia, "It was the fifth cyclone, fourth named storm, second hurricane, and first major hurricane," to occur this 2019 Atlantic hurricane season. While the true death toll is unknown, sources in the Bahamas estimate that it may exceed 3,000. Damages caused by Dorian in the US and Canada are currently un-While hurricanes are nat-

urally part of our climate system, recent studies suggest that since the 1970s, there was an increase in intense hurricane activity in the North Atlantic. Meaning in the future, there may not be more hurricanes, but there will be more intense hurricanes that carry more precipitation and higher wind speeds, caused by global warming. as sea levels rise and a growing Dorian originally struck as ally to alleviate climate change?

tional Park Service (NPS) has an- of the century. As global warming nounced will fill back in overtime. continues, sea level is likely to rise NPS employees from the US have Sandy, Harvey, Irma, Maria, and begun the recovery process. Other now Dorian left one valuable lesstates that prepared for the storm son: We can't ignore global envi-North Carolina, Georgia, and Vir- to avoid dangerous warming and ginia, with some coastal counties protect coastal communities. How from the US Agency for Interna- in Florida and North Carolina is- are we as a community preparing What actions are we taking glob-

or a year and a half, to revert the 2 weeks into the fire. harmful environmental damages,

Why are so many power- vironmental misdoings happening ful countries not giving enough at- in the country. The Amazon fire in tention toward the environment? Brazil has burned up 7000 square Multiple investigations lead to the miles of trees and is still burning same thing. Many scientists ask a at the time this article was writvery important question, is it too ten. The Brazilian Government late? The fact of the matter is that did nothing about the fires until humanity only has 18 months, the public began to protest almost

So what can the people do according to BBC news. Temper- to change the mindset of political atures are rising all around the leaders? Spreading awareness is



Factories polluting the air

world, which everyone already vital, and getting the politicians knows. What people do not know to set priorities is also key. Peois that humans would have to cut ple can protest, and with a strong 45% of all carbon emissions by late foundation, they can make an im-2020 or climate change will reach pact. We could also create a social a point of no return, according to media platform that could high-BBC's Matt McGrath. So why are light small changes in your day to politicians around the world not day life that could help make an prioritizing the reality of climate impact. The resulting changes will

as much as they should be? Last year in Australia, multiple large scale coral reefs had

Environment Linkages Initiative completely died off, and there was (HELI). This could eventually lead no news of prevention by politi- to poor water quality and even houses 1.339 billion people, has very minimal environmental poli- jor climate infractions slide withcies. Many of the forests are being out any disciplinary action. The cut down to make more space, and fact that large scale coral reefs are the sight of such massive forests dying off over time without word disappearing firsthand is shock- getting out is just upsetting. India ing. According to ran.org, ap- isn't focusing on the large environproximately 7 billion trees are cut mental problems even though they down each year. These trees are hold some of the most polluted citthe only source of oxygen for all ies in the world. The only way we animals and humans around the can get our government's attenworld. At the same time, plants tion is to protest ourselves. The cleanse the air of carbon dioxide climate is getting hurt more and through photosynthesis. The Indi- more each year and the world's an Government has not taken any government needs to step up and disciplinary action toward the en- make changes.

solutions to combat this problem, cause 25% disease and death and in some places it will reach 35% globally according to The Health

Multiple countries let ma-

2020: Canidates & The Climate

of 20 million new jobs, building a vironmental conservation proj-100% green energy transportation ects. He has helped protect more system, and the complete decar- than 100,000 acres of land from bonization of the energy industry. oil companies and other corpora-

ioined the Oil and Gas Initiative,

Republican governor of Massa- will determine how the world is chussettes, has been described as shaped for the following years. a "great environmentalist", and

tions. However, his positions on the environment are more in line with traditional Republicans, like Teddy Roosevelt, giving him a hard uphill climb for the Republi-

Finally, the last main candidate running for president in 2020 is President Donald Trump (12.). Over his term so far, Trump's most notable climate He has skipped on numerous climate summits, such as the World Economic Forum in Davos and the more recent G-7 Summit, and he pulled the US out of the Paris also undone most of Obama's laws be accomplished to stop climate and greenlighted the Keystone

> With all the pressure Andrew Yang (11.), the mounting on this issue, defining sis. This election is the determinvoters know that, as one of the largest countries in the world, the US needs to make major changes to its climate policy to save life on Bill Weld (6.), the former Earth, and this upcoming election

has a less expensive plan to combat climate change, with her plan involving the investment of \$2 trillion into green practices. The can primary. (Climate Grade: B) investment would create the "National Institutes of Clean Energy," which includes the "Green Apollo Program", "Green Industrial Mobilization", and "Green Marshall Plan." Warren also added an ex- landmarks have been negative. tra \$1 trillion into the transition from fossil fuels to green energy. In addition to this, Warren is advocating for Jay Inslee's climate plan and goals. Although he has dropped out of the race, Inslee's Climate Agreement. Trump has plan is now being used by Warren as an outline for goals needed to designed to help the environment, change. Some of these goals in- Pipeline. This has all led to the clude the elimination of green- overwhelming sense that Trump house gas emissions from power has no concern about the environplants and vehicles, as well as ment, as he has denied the presthe investment of \$2 trillion into ence of climate change throughout green manufacturing and energy. his presidency. (Climate Grade: F) (Climate Grade: A-)

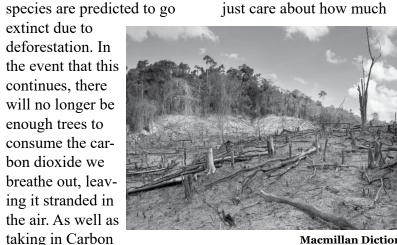
former Tech Executive from Cali- the 2020 election and shaping the fornia, has a different approach US for years to come, younger votto climate change, as he has in- ers are putting added pressure on troduced the idea of "Democracy the government to work on solu-Dollars", giving each American tions for the current climate cri-\$100 to donate to the political party of their choice. His plan is ing factor for our future. These for this form of direct democracy younger voters, as well as their to wipe out the influence of fos- parents who want to see their kids sil fuel companies, and form a survive another fifty years, will cleaner economy. Yang also has shape this election, and this issue the most ambitious carbon tax is foremost on their minds. These idea, with the tax starting at \$40/ ton and increasing every year until carbon emissions reach net zero. (Climate Grade: C+)

Deforestation Leads To Ecological Collapse of the main causes of deforestation because farmers need more land to grow crops. Logging is cutting down trees to create paper or other materials made out of wood to help our ever growing population Bio fuels such as palm oil is becoming frequently used in foods and beauty products which is one of the main In the next quarter of a century sources of some company

income. Companies normally

Glaciers melting in the Arctic

or misleading. However, this



voice their opinion and stance discussion and attention the

on topics. Ashley Anderson of subject will receive; ultimately

Macmillan Dictionary Blog trees. Due to this, we lose A forest that had burned each year according to Li-

money they are getting from a product, since they are making quite a bit of money for the company they will continue to produce the item. Some people use logs of wood as "fuel" to heat their homes and cook food. Roads and highways are our way to travel to a store or different cities. This is a main source of deforestation A lot of forest areas have a lot of minerals that we use such as gold or diamonds which is why deforestation is also caused by mining (Conservation International).

One major cause of

By Isabelle David

Climate change is be- ing personal views online] "... problem. coming a major crisis across the globe. Today, most kids, teenagers, and adults are aware climate change more character, positive social media commenof this issue. How are more which helps connect the subject tary on climate action and ecopeople getting information and to people. learning about this subject? The Some people argue that answer is social media. According to Forbes magazine, "So-major news source, as often taking action to spread the

source of news online than 2.4 billion internet users. nearly 64.5 percent receive news from Facebook, Twitter, Youtube, and Instagram..." Now that climate change is covered by the media, the amount of people taking action to fight against this growing problem is increasing greatly.

Climate change is affecting animals, humans, and landscapes on can be an advantage for cli-Earth. Various government or- mate change. The urgent tone they can. ganizations reported warnings in most news posts gain more of global warming and climate attention from the public. Infor- seemingly had a lasting positive change for a long period of mation on social media tends to time, but the issue has largely reduce the amount of science climate change. While social been ignored globally, and the and statistics shown, which is media cannot be the only outmajority of the public was not a benefit in some cases. This let of information or solution, aware of the issue. However, makes engaging with the topic continuing to share updates and social media is shining a light easier for a larger audience. solutions keeps climate change on the growing problems and More people are voicing their relevant and brings us a step risks climate change propose. opinions, which builds interest. closer to saving the environ-By sharing posts on social The more people can connect ment. media, people are allowed to with climate change, the more

By Stephanie Kay

Humans, have lived to

invent and discover, but all of

these creations have led up to

global warming. Deforestation

is caused by humans and has

ultimately contributed to the

rise of global warming. This

has affected animals by taking

their homes from them, while

we build over their ecosystem.

according to Conserve Energy

Future, about 28,000 animals

Dioxide, trees and plants also

take in some greenhouse gases,

this may help us to slow down

the process of global warm-

Since trees are the world's

main sources of oxygen, de-

forestation is going to decrease

population. This will lead to

us having less and less oxy-

gen throughout the upcoming

years and we need oxygen to

nated because of "agricul-

roads and highways, and

ture, logging, bio fuels, fuel,

mining"(Conservation Inter-

national). Agriculture is one

Deforestation origi-

survive.

ing according to Hunker.com.

Oxford Research stated, [shar- initiating action to solve the shapes public perceptions for a

range of issues." This can give informs us that, "The growth of nomic growth has skyrocketed 700% over the last three years. social media should not be a By now, hundreds of teens are cial media has become the main times news on media is filtered word of climate change. People

> ways to help slow the process of climate change, such as being more energyefficient, recycling, and unplugging electronic devices. Even celebrities, such as Mark Ruffolo, Leonardo DiCaprio, and Bill Nye are doing their part and using their social media South China Morning Post status and platform to encourage oth-

ers to help reduce the effects of global warming in any way

So far, social media has impact on raising awareness for

deforestation at the moment

is the Amazon fire. The fire

cattle ranchers from humans.

According to National Geo-

graphic about 17% of the Am-

azon forest has been lost in the

last 50 years due to fires and

deforestation. This forest took

centuries to develop, we can't

just replace it. This has caused

those living around the area to

behind, including their homes.

Animals have also been

having been destroyed.

affected with their homes

pening everywhere, from

the United States to Japan.

Humans cause deforestation

because we have the need to

expand cities and towns and

create new environments

that involve cutting down

18 million acres of forest

veScience. We are unaware of

the effect that deforestation has

on the environment. Conserve

Energy Future believes that in

will no longer exist due to this

ongoing problem. The loss of

trees per minute due to defor-

estation is equal to about 36

football fields (Conservation

International). Deforestation

is affecting almost everything

that we are doing today, and if

we do not do something about

it now, it may be too late and

the damage will be irrevers-

ible.

around 100 years rainforests

Deforestation is hap-

leave all of their belongings

started due to loggins and

Twitter Fights Climate Crisis TINY HOUSE, BIG CHANGE

> With humanity's newest changes in climate, people are starting to make changes to their lifestyle to try and benefit the earth. We Climate Reality Project can make changes in big and or small ways. However, some people are starting to take the initiative to change their homes completely. One of the many homes we might have heard of recently is called a tiny home. This is one of the main flagships when people think of small energy saving homes that can always be on the move. With tiny homes, people are starting to get creative. Trends of using recycled shipping containers or just slapping a box together with a roof, solar panels, and a door. The possibilities are limitless. Most of these houses are very ecofriendly, living off the land. Using solar and well insulated walls to your advantage. But some people want to change, and be comfortable at the same time. With new creative minds people have already developed the newest are posting different homes with modern designs.

> > According to "Home Stratosphere's list, these are the best homes for a big impact". We will run down a list of homes with their features

Earth Ship



Something that is bizarre is the Earth ship's design. This is a monster when it comes down to just how ecofriendly it can be. The earth ship is a home that practically sustains itself, made from "recycled/natural materials." The outcome of being made with these products is an all-natural self-heating home. Getting water from natural sources nearby like rivers and getting energy from solar panels, it is almost completely off the grid.

Rammed Earth



Another home on the list is the "Rammed Earth" home. This home walls are made from finely compacted soil each wall has a thickness of at least 19 inches. The Chinese also used this method of walling for the Great Wall of China, but the thickness of the wall makes for a much quieter, warmer, and cozier. Although this does need to be taken with a grain of salt, the supplies and materials needed require a large amount of money and an immense amount of backbreaking physical labor "to

set up.

together a Lego set.

Prefab Homes



Another favorite of most people is a cheap, effective. An analogy used be Home Stratosphere says, "Almost like a piece of Ikea furniture but we actually got the Ikea people to build it for the customers this time." Everything for these homes is prebuilt away from its intended destination in an offsite construction site. Every single measurement is like putting

Earth Sheltered



Most people have probably seen this somewhere in a movie before these nomes are close to what Bilbo and Frodo Baggins lived in. These homes are called sheltered earth, these homes look similar to a hobbit hut being carved out from the inside of a hill using the peak as a roof covered in grass. Using this method we can get natural insulation and a quiet warm home during the cold icy winters. Due to the impeccable design of the homes, we don't need to worry about the ground freezing or cracking during the seasons. Here is what Home Stratosphere has to say about how they keep the home from doing so, "The house will be built using three meters of soil which is far deeper than temperature change can reach in the ground."

These are just a few different ways that people are changing their homes to help save the environment.

EPA's Rollback on Methane by 2025. The EPA's administraearth, known as fracking, has been

tor, Andrew Wheeler stated that

the rule was "duplicative" since

companies would not want to

let the precious methane

leak anyway. This repeal

would bring in profit to

oil companies by \$17 mil-

lion to \$19 million more a

year than with the previ-

ous rule, compared to the

\$100 billion to \$150 billion

that the oil and natural

gas companies in the U.S.

The Trump administration released a plan to cut back on the regulation of methane, one



EPA chief Andrew Wheeler

of the most potent greenhouse out about it as well gases. The Environmental Protection Agency (EPA)'s proposed rule completely removes the federal requirement that requires oil and gy that detects methane leaks and fixes them in wells, pipelines, and storage facilities. The cutting back the fight against climate change. Methane is a highly potent greenhouse gas, about 80 times more sphere for less time than coal, it

The federal requirement that brought attention to the leaking methane was put into effect during the Obama administration. goal was to reduce methane emissions by oil and gas drilling by been supplanting coal. The pro-45% in comparison to 2012 levels, cess of removing the gas from the

gas companies to install technolo- a consultant to oil

on this rule is a major setback to on the topic of the potent than burning coal. Even not get, but others though methane stays in the atmo- are beginning to get, affects the environment far faster.

show the climate benefits. Natural gas, primarily When the rule was in effect, the methane is a cheaper and cleaner alternative to coal, so it has slowly

The rollback has received the direct regulation of methane a lot of backlash from mawhen regulation is efficient, effective and encourages innovation," jor energy companies, such as Exxon and Shell, who said Gretchen Watkins, Shell's embraced the rule when president for U.S. operations. "While the law may change in this was first introduced

Obama. Many people have spoken Mark Boling, for-**Methane Emissions: EPA Data vs. EPA Projections** mer executive vice president of South-

make a year.

western Energy and companies trying to monitor emissions in Colorado, said methane rollback, "What some people in the industry do

is that we are transitioning to a low-

carbon economy. If natural gas is going to replace coal, we need to

instance, our

EPA'S METHANE EMISSIONS METHANE EMISSIONS ROM OIL & NATURAL GAS OIL & NATURAL GAS

ENERGYINDEPTH®

Energy in Depth environmental commitments will stand." The EPA will take comment on the rollback for 60 days after it is published in the Federal Register and will hold a public hearing.

criticized as wasting a lot of water

and contaminating groundwater.

Multiple possible uses for natural

gas have been found, including as

a backup energy source for solar

and wind power. But the leaks of

methane completely remove the

environmental benefits of meth-

ane. Big oil and gas companies,

such as Shell, Exxon, and BP, have

an initiative pledged to reduce gas

"Shell has long supported

emissions.

(Climate Grade: A)

Elizabeth Warren (10.)

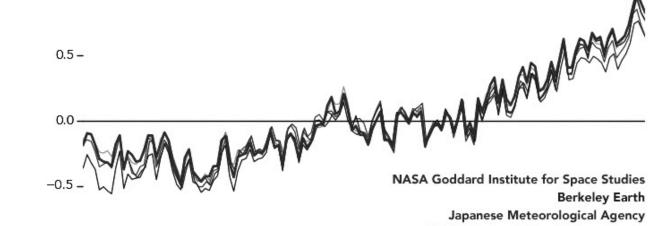
Climate Corner: Science & Solutions | ANIMALS LOSE HOMES IN AMAZON

By Nicolette Madonna

Often times, traditional ever, scientists say more of these obvious as one might think; their media sources have trouble re- gasses are being added to the at- number one solution is refrigeraporting facts about climate change mosphere as by-products of fossiltion management. By regulating because it is heavily intertwined fuel use and deforestation, lead- the amount of air conditioning with politics. But, what is it in ing to a more rapid temperature use, we can lower greenhouse gas

A World of Agreement: Temperatures are Rising

Global Temperature Anomaly (°C) 1.0 -



Japanese Meteorological Agency **NOAA National Climatic Data Center**

cially those in poorer countries, it

Met Office Hadley Centre/Climatic Research Unit 1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010

The graph shows research on the rapidity of temperature rise over the past 130 years, based on the five sources shown above.

reports data from five sources predict, moving to step three. (Graph above) with similar trends, showing the global temperature is changes will contribute to additunities to better themselves and rising by one degree Celsius over tional evaporation of water, and their standard of living, helping the past 30 years, that's 33°F, eventually sea-level rise or affect them become educated women thus, giving the planet the hot- the makeup of crop regions. The who make better choices for famtest 10 years in a 139-year period. Intergovernmental Panel on Cli- ily planning The warmest years being the five mate Change believes the costs are most recent on record. Though it likely to not only be significant, standing and acknowledging the may not seem like a lot, one degree but continue to increase over a science behind climate change, means countless more heat waves, long period of time. Droughts will humans are given a chance to fix additional loss of the arctic and be more common, hurricanes will their mistakes. Not all issues are

-1.0 -

cause. Most of the cause has been shorter. But, the unpredictabil- most carbon emissions are caused attributed to the greenhouse gas ity of the rate of increase in the by big industries, it only takes effect, when gasses in the atmo- temperature change could cause everyday consumers to make a sphere trap heat from the sun in a problem for life on Earth that is stand. Choose companies that are Earth's atmosphere. A December not quick to adapt to a completely environmentally conscious and 2018 article from BBC states car- new climate. bon dioxide, methane, and nitrous ing over millions of years. How- Don't be fooled, they're not all as

er? Pollution or deforestation? over the period of life on Earth. account for 30% of all emissions Step one is assessing the problem: The situation means more heat is annually. Interestingly, the numthe climate change is the slow rise being trapped, the more heat be- ber six solution to solving cliof average temperatures world- ing trapped means the Earth will mate change is educating girls. and Space Administration(NASA) gradual warming are not easy to resources with young girls, espe-

NASA believes these rapid gives them a multitude of opporincrease in size and intensity, arc- out of one's scope of influence, and Step two is finding the tic ice will melt, and winter will be you can make a difference. Though

Step four is acknowloxide are the main 'trappers' of edging the issue and finding a heat. In truth, without this effect, solution--this one is easy. Project tion on climate solutions, visit Earth would be uninhabitable. Drawdown, a climate solution or- www.drawdown.org. The Earth does go through a natu- ganization, has outlined 100 soral process of warming and cool- lutions to tackle climate change.

truth? Depletion of the ozone lay- increase then seemed common emissions of consumers, which

Claudio Sillero, a professor of conbeen burned. At the end of the day,

fires in the rainforest. It has also

been the worst year for the Ama-

By Andrea Valerio

Brazil's space agency bad news for the former occupants INPE has recently reported that of the territory because they rely there have been almost 85,000 on the forest's humid, moist envi-

The long-term effects of zon fires since 2010. So how do the fires killed and displaced inthese fires affect the many animals sects, birds and mammals, which that live in the forest and call it will later affect aquatic species in the rainforest, such as dolphins Large mammals, such or the rainforest's fish. It also afas jaguars, have a higher chance fects forest-dependent humans. of escaping because of their abil- Trying to hunt in the remains of ity to run fast enough to escape the forest is almost impossible, a fire, while many other animals and the majority of their plants, are killed almost right away. Dr. homes, and medicine would have



wide. The National Aeronautics be warmer, and the results of this By sharing skills, knowledge, and A monkey mother cradles and calms down its baby monkey after the fire incident the decimates their ecosystem

was mostly concerned about the age done by the raging fires. smaller creatures in the rainfor-By thoroughly underpresence of fire. Birds face similar

consider donating to organiza-

servation biology at the University many animals and people's lives of Oxford, told BBC News that he are at risk, because of all the dam-

According to Climate Cenest. The small and slow mammals, tral, this year is on pace to be the such as the sloth, have a higher third hottest on record globally, chance to suffer direct mortalities 2018 being the fourth warmest, because they tend to panic in the behind 2016, 2015, and 2017. Scientists fear future fires because risks, but most are able to fly and the Amazon is at risk of disappearfind safety. However, many aban- ing if another 20% is damaged by don their chicks and eggs in panic. fires and may turn into an African Most of the area damaged savanna landscape. Experts fear by the fires are no longer habitual that 20% of the Amazon cut down for many animals. This is a ma- by Brazil in the past 50 years, can jor problem because they can't go result in a process called dieback, somewhere else, since those areas this is when the rest of the forest are already occupied. Fires that rip dries out and burns. If this were through forests, like the Amazon, to happen, up to 140 billion tons burn down hundreds of trees, cre- of stored carbon could release into ating holes in the forest's canopy. the atmosphere, which would in-This means that the ground and crease global temperatures even environment beneath, which is more. Without the Amazon, we're usually humid and dark, is now looking for untold destruction for exposed to the harsh sunlight. It's our entire planet.

tions fighting climate change.

For additional informa-

By Tara Kavasseri

Midsummer heat. Hot trash spilled across the pavement, empty bottles foggy in the sun, disease gathering in overflowing dumpsters.

This summer, Rome experienced what World Economic Forum deemed "a waste emergency" after an important landfill and two treatment plants were closed. Nearly half of the city's garbage was left with nowhere to go, prompting Rome's Mayor, Virginia Raggi, to reveal a program known as "Recicli & Viaggi" on July 24. Stations nicknamed 'reverse vending machines' were quickly constructed throughout the city, allowing individuals to drop off empty plastic water bottles. After a person deposits a bottle, they receive 0.05 Euros in credit that they can use for the metro. The money is deposited to commuters via the apps myCicero and Tablet.

Rome isn't the first city to exchange money for plastic. In Surabaya, Indonesia, an individual has been able to pay in plastic bottles or cups for their bus ride since 2018. The plastic is collected by the bus and then sorted through and sold to recycling companies. The profits are used to continue funding the bus program and to maintain the city's green spaces. A parking lot in Leeds, Britain al-



Lonely Planet

Mayor Virginia Raggi demonstrates the money-for-plastic system she implemented in Rome to promote a greener environment.

with plastic bottles. Thirty bottles are equivalent to one hour of free parking, and customers can bring vending machines', Istanbul, Tur- York Times, a member of the Enas many as they can fit in their key began allowing individuals to vironment and Urban Planning cars. The process is simple, too; receive subway credit when they Industry, Mustafa Ozurk, said they just have to approach the cus-deposited plastic. In addition, in-that the country's push for recytomer service desk and hand over dividuals who recycled the most cling had saved approximately 30

lows drivers to pay for parking the bottles to receive a discount or bottles would receive rewards such as free subway trips or the-Predating Rome's 'reverse atre tickets. According to The New

million trees in the span of fifteen months. The credit cards used for the subway can also be used for bus and tram rides, as well as to pay for public bathroom access. In Pamohi, Assam, India,

a school for underprivileged kids

called the Ashkar Foundation even allows students to pay for their school fees with plastic. According to the Ashkar Foundation, "Teens are employed to collect plastic from homes in the area surrounding the school, a model that can be replicated in every school to effect large scale change." Students at Ashkar also work in the Campus Recycling Center, creating Eco-Bricks from processed non-recyclable plastic packaging. Packages that would have otherwise been thrown away or burned are instead compacted into a plastic bottle and can be used as a brick for basic construction.

The world is experiencing a gradual yet evident trend toward greener living, and Rome is only the most recent contributor to the idea of civic recycling. With over fifty million plastic bottles purchased hourly across the globe and the oceans choked with plastic, there is hope that the greener practices cities are taking up around the world are the first step into a cleaner future.

By Keziah S. Arellano

Many celebrities have been slacking when it comes to their duties as role models. Climate change is a real and terrifying thing but lately, stars have been disregarding this issue. Thankfully, we have had a handful of celebrities that have spoken and let their voices be heard.

1. Leonardo DiCaprio



also known as Jack from The Titanic (the one where Climate March in 2017. global warming kills hundreds and hundreds of people), has taken a huge part in speaking his mind about the climate crisis. He has taken it upon himself to create the Leonardo DiCaprio foundation. He founded this operation in 1998 so he could help protect the Earth with the platform he has. He joined the People's Climate March on April 29, 2017. He has spoken as a UN messenger of peace at the United States. He has also sworn off fossil fuels (but some choose to believe he has not completely fulfilled that promise).

By Isabelle David

Current environmental issues like

climate change are arguably one

of the largest global issues at this

time. Recently, another problem

emerged. The Amazon rainforest

is burning. The Amazon Rainfor-

est provides 20% of Earth's oxy-

carbon dioxide. Without the Ama-

zons, the climate crisis will spi-

ral out of control. Not only is the

growing problem gaining attention

from average citizens, but also ce-

lebrities. Here is a list of celebrities

and public figures making a differ-

ence in the fight against Amazon's

Madonna

"President Bolsonaro please

change your policies and help not

only your country, but the entire

planet. No economic development

is more important than protecting

this land." Madonna shared her

stance on Instagram, saying that

the world needs to wake up, and

take action. Madonna also posted

an image of the massive destruc-

Ellen Degeneres

tion to show the crisis.

deforestation.

gen, and absorbs 5% of the world's

Mark Ruffalo has many loyal fans who know him as The Hulk in The Avengers. He also plays a hulk sized role when it comes to helping the Earth. He is an environhe founded a project that works towards clean renewable water She has also supported 40 charifor all Americans by 2050, he also ties that target humanitarian topsupports the group Water Defence ics. which is a clean water program. He also joined in on the People's

3. Don Cheadle



Don Cheadle has a voice, as he is known from his work as the War Machine in The Avengers. He is a global ambassador for the United States Environmental Program. He has been an ambassador for six years. He co-founded the non-profit or-

LEONARDO DICAPRIO

Ellen Degeneres, a popu-

lar talk show host and comedian,

shared a picture of the devastation

on Twitter. Degeneres stated, "I

don't know a lot about the science,

but I do know that allowing mas-

sive destruction of the Amazon

Rainforest is terrible!" She also

provided a list of solutions citizens

can do to help end the fire in a post

Arguably one of Hollywood's

leading environmentalists, Leon-

ardo DiCaprio made a huge con-

tribution. The actor started an-

other environmental organization

called Earth Alliance. DiCaprio

pledged a whopping \$5 million

to helping indigenous people

and preserving the rainforest.

Earth Alliance is also providing

local foundations with financial

support. Reporter Nick Nickolai

says, "The funds will be donated

lowers of different foundations to

donate to protect the rainforest.

Leonardo DiCaprio

ary, 2019) in 2008. This organiza- By Mario Navarro tion is all about bringing attention to outrageous events against hu- loves to watch a good movie,

4. Jessica Alba

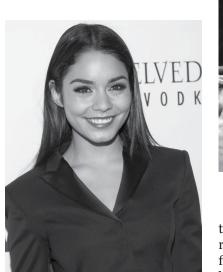


She co-founded 'The Honest Company' in 2011 and has stayed strong in this area since then. This company specialmental activist who founded the izes in eco-friendly products mar-'Solutions Project'. Not only has keted towards parents who prefer the healthy choice for their babies.

> Although not all celebrities have joined an organization or taken part in marches, many take their voices to somewhere where people listen. Social Media. Many stars have been known to openly talk about their views on these important topics. A few examples are Kendall Jenner, Arnold Schwarzenegger, and Pharell Williams. These celebrities have taken part in videos, tweets, or instagram posts to get the word of this dangerous issue out. Something will always be better than nothing. Take part in revolting against this issue in any way you can, if it's donating money, going on social media, or even taking part in a march. Anything helps, regardless of how small.

Laves the Amazon

Vanessa Hudgens



USA Today

Actress, Vanessa Hudgens donated to the Amazon Conservation Team to help the fire. On Instagram, Hudgens said, "The amazon on fire affects us all." In addition, she encouraged her followers to donate to any Amazon relief foundations and organization. Vanessa Hudgens is using her Instagram and Twitter platform and status to draw attention to the Amazons and raise

Even more celebrities to five local organizations: Insti- are making a difference in the tuto Associacao Floresta Prote- environment, including Lana gida (Kayapo), Coordination of Condor, Robert Sheehan, Camila the Indigenous Organizations of Mendes, and Zoey Deutch. All the Brazilian Amazon (COIAB), of these celebrities have spread Instituto Kabu (Kayapo), Insti- awareness through social media, tuto Raoni (Kayapo) and Instituto and donated to multiple relief Socioambiental (ISA)." On Insta- foundations. As an elite group of gram, DiCaprio said, "The largest people in the world, these people rainforest in the world is a critical can be our mentors and leaders; piece of the global solution. With- their platform gives them a way out the Amazon, we cannot keep to help common people find a the Earth's warming in check." voice and join an organization Leonardo DiCaprio dedicated that mightsupport the sustainmultiple posts and tweets show- ability of practices in the rainforing how the Amazon affects not est. Celebrities drawing more only the local citizens, but the attention to the Amazon will entire future of the world. In ad- hopefully result in more support, dition, DiCaprio informed his fol- and save the Amazon Rainforest

Celebrities' Fight Against Climate Change 2. Mark Ruffalo ganization 'Not On Our Watch' (it was changed to 'Sentry' in Febru was changed to 'Sentry' in Febru-

Everybody whether it's a comedy, horror or romance flick, but some movies also teach us about climate change. Due to the fact that this climate crisis is so relevant, Hollywood films in recent years have been tackling the subject. Some films are documentaries, while others are fictional stories. Here is a list that you might like to watch:





Snowpiecer

Based on the French graphic novel <u>Le Transperce</u>neige, Snowpiercer is a 2014 science-fiction action film which takes place in a post-apocalyptic world in 2031. A second ice age has decimated all life on the planet due to an attempt to counteract global warming through climate engineering in 2014. Considering people in the film wanted nothing but to prevent global warming in the first place, most people can simply relate to reality as we too try to prevent global warming. This is how we power our homes with renewable energy, reducing water waste, etc.



shows us how the characters are affected by food insecurity and climate changes. In the film, dust bowls and global crop blights are threatening humanity so severely that the characters believe they can transport humanity to another planet across the galaxy through a wormhole. In reality, we can prevent food insecurity by using fertilizers

Interstellar

more efficiently on our wheat, rice and maize crops. A disease called blight can infect our crops that we grow, as we can prevent blight on our crops by simply prevent overwintering, and paying extra attention to the weather.



A Netflix exclusive TV series called *The 100*, describes the events after a nuclear holocaust that wipes out all life on earth. A nuclear holocaust or simply a nuclear apocalypse, is a theoretical scenario involving widespread destruction and radioactive fallout causing the collapse of civilization.



Ice On Fire

The 2019 documentary *Ice on Fire*, produced and narrated by Leonardo Dicaprio, is about visionaries and scientists working to mitigate climate change and minimize climate-related events, despite the fact that the planet continues to heat up. The film explores many ways we can reduce carbon in the atmosphere Through visiting visionaries and scientists young and old, the film tours the deep hope that we can turn away from the brink of climate change. Reversing climate change is urgent, given ttthe world passed 400 parts per million CO₂ in the atmosphere resulting in climate instability across the globe. The predictions of the past are now coming true and we must not ignore them.

The Titan Tribune 2019

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Taneesh Kondapallı Noah Macias Matthew Ibarreta Aidan Madonna Andrea Medina Mario Navarro Britney Nguyen Katerina Yakusevic Desmond Yu

Sanam Khalilullah

Advisor Ms. Dollard

lives outside of school. Whether it's playing for your school team, or just for fun, climate change is making it harder to play sports that you love. Most sports involve being outside, but that's hard to do when struggling to cool down due to the intense heat. The heat is affecting most people playing outdoor sports in a negative way. In fact, it's not healthy to be exerting so much energy while it's 100+ degrees outside.

The smoke from the fires that have happened this past year are also linked to climate change. Students were missing school sports. "Russia spent \$50 billion



From Precision Hydration is also

Player sweating due to heat from climate change

from the unhealthy air quality, which meant that school sports were getting canceled. Students were looking forward to playing the sport that they loved, but couldn't because of all the fires and smoke. The health risks were the reason why school, practices and games were canceled. Playing in the smoke filled air can be really bad for your lungs. "The biggest health threat from smoke comes from fine particles. These microscopic particles can penetrate deep into your lungs. They can cause a range of health problems, from burning eyes and a are being cooked from the heat, runny nose to aggravated chronic you are going to be exerting enheart and lung diseases. Exposure to particle pollution is linked to premature death" (AirNow). If you struggle with asthma, these symptoms can be even worse for

By Sonom Khala

significant and varied. Due to ex- health, and community health posure to health hazards related conditions. to climate changes communities A lot of us enjoy sports and different people are affected in extreme degrees. For a lot of us, it doesn't seem like an important topic, but exposure to a lot of pollution threats can occur simultaneously. This results in the compounding or adding to people's

Global warming influences a lot of us with rising temperatures, heavy rains, and droughts, causing a lot of kids' health to suffer. Many areas in the United States are already experiencing healththreatening conditions, causing diarrhea, cardiovascular, and respiratory diseases. For example,

health degradation and it keeps

impacting communities negative-



Young athlete using asthma inhailer

areas previously affected by global ers to struggle with income beblooms or waterborne diseases the job. Farmers can also struggle because of varying water temperatures show degradation in people's as their food production can be health. In Tracy, children are bedecreased and then affect our diet. coming more dehydrated during physical activity at school. More severe to the point that farmers won't be able to do their job; it can kids are missing school due to this issue. Climate change can thereeventually cause a crisis. Our comfore affect human health; first by changing the climate severity, or by changing the frequency of diately.

Sports are a huge you. According to Climate Nexus, part of schools and even student's the heat has caused death rates to the heat has caused death rates to triple between 1994 and 2009 in just football alone.

> For example, in football everyone has to practice with pads and that adds more layers, which can make you overheat faster, but they are necessary for the player's safety. The heat is making it impossible to practice fully so that everyone is 100% ready for the games. People who play sports that involve a lot of running are having a hard time too, especially when they start running at the peak of the heat. The extreme heat is also taking a toll on winter

mer Olympics, and Paris 2024 Summer the Sochi games Olympics, are workmaking it the ing with the UN to most expensive engage their millions Olympics ever' of fans by launching (Climate the Sports for Climate us). This meant Action Framework to that too much "rally sports organizamoney was betions, teams, athletes, ing spent just to hold the Olymand fans," in hope to meet Paris Agreement pics. As well as affecting sports goals. The launch event took place in Kain and outside towice, Poland. This is of school, clia great way to reduce change climate change, sports organizations have a droughts. lot of fans that would Droughts make be willing to make a

it more difficult

to keep care of the fields that are

being played on. When fields are

not being taken care of because

of the water shortage, it makes it

that more accidents and injuries

can happen. If you are playing

football, soccer, baseball or any

sport that you play on grass, when

the grass is dead because you can't

water it, it makes it harder to play

for most people. If you play school

sports, it might not be all year

round, but there is never a time

where there are no sports being

played. Whether you are play-

ing when it's pouring rain, or you

ergy. The drastic weather changes

are making it a lot harder to play

sports, since the weather condi-

and outdoor activities, climate

change can be a hard time for peo-

love the outdoors. However, stud-

the brain produces endorphins

and other chemicals to fight stress.

workers

risk. Construction workers are af-

fected in a severe

tion workers and

people who work

on roofs, roads,

and parks can get

serious health con-

can cause the work-

Imagine the weather being very

munity and the world needs to do

something about this issue imme-

Construc-

ing outside.

tions are dangerous to play in.

Sports are all year round

and can cause more injuries.

Tennis

(Roland

peneficial impact on climate change. Sports for Climate action Framework has two goals, one is to improve climate change and for sport communities to move forward. The second goal

tionale de Football Association(FIFA),

the International Sail-

ing Federation, World

Surfing League, Forest

Green Rovers Foot-

Tokyo 2020 Sum-

ball Club, the French 🚪

Federation

Garros),

work is to spread awareness and have global citizens take action. These two goals are easy to meet, if everyone would come as a group and fight against one common man made force: Climate change.

Climate change is becom- The gases that are causing climate in addressing this issue. This is ing a huge issue and even sports change are also caused by sports why we are happy to have the opaccording to the UNFCCC is trav-portunity to sign the United Naindustries are trying to raise eling, building stadiums, and food energy, and also it's going to be in climate change is amazing, and speed up because of the high demand of the fans. We should still a change if they all united. It is find a way to reduce these four fac-

awareness about environmental concerns. According to the United Service. Those four things use up Nations Framework Convention a lot of machines and uses a lot of idea that football has a role to play concerns. According to the United on Climate Change, or known as UNFCCC," to raise awareness, oig sports organizations like the international Olympic Committee (IOC), Fédération Interna- tors.

"CLIMATE CHANGE means we are literally skating on THIN ICE."

#AthletesActOnClimate

2008 U.S. Hockey Hall of Famer

Euro-Football Associaand ever-growing environmental tions Sports for Climate Action all of our responsibility to reduce

greenhouse gases and to prevent the global

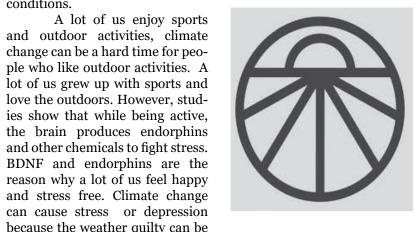
averagetemperature to rise 2 degrees Celsius and aim for the 1.5 degrees Celsius target instead, according to UNFCCC. If we all worked together and have the knowledge on climate change, we can easily prevent the global temperature increase of 2 degrees Celsius and make it go to the safer 1.5 degrees Celsius.

Fifas Secretary General, Fatama Samoura states "Our commitment to protecting our climate remains unwavering. We recognize the critical need for everyone to help implement the Paris Agreement and accelerate the change needed to From Flickr reach greenhouse gas emission neutrality in the second half of the

twenty-first century...I am pleased to confirm that FIFA will support tions, or commonly known as the vision outlined in the new President, Aleksander framework,". Fatama Samoura Ceferin, believes that "Climate is right, we need everyone in orchange is the biggest challenge der to put in the Paris Agreement facing the planet. UEFA firmly be- and decrease climate change. All lieves that football, with its strong of these big sports organizations have one thing in common, tryconscience, in particular in areas ing to convince their fans that clisuch as sustainable event man- mate security is a big thing and we agement, has a duty to play a role should all do something about it.

TAKING PHYSICAL ACTION By Britany Nguyen

People who engage in physical activity often want a physical way to address the climate crisis. For those active people, protesting climate procrastination is the an-The influence of climate health problems. Creating a cycle swer. Here are organizations who and weather on human health is of more physical health, mental can hook you up with environmental actions:



unhealthy and keep us from stay-The Sunrise Movement: An American youth-led political movement. It was founded on April of Climate change has even affected people who work out- 2017. The movement happens doors. Finding the "typical" indoor all around the United States and job is not the case for everyone; Puerto Rico. An upcoming event, a lot of outdoor South Regional Summit, is on work September 28-30 in Nashville, hard everyday to Tennessee. For any more information, the organization can be make this country reached through email at team@ a better place and their health is at sunrisemovement.org.



Sierra Club: The environmental organization was founded on May 28, 1892 in San Francisco. This organization holds many events healthy weather. It that are held in San Francisco, and many other places. They could be cause illness causes them to be off reached by phone at (510) 848-0800 or by email at info@sfbaysc.



national network in 74 countries. The organization speak the truths using their fearless voice. To get in touch, call at 1-866-217-8499.

Stand: Stand is a student-led program that treats people and the environment with respect. They helped keep many communities safe from oil by rail terminals. The organization could be contacted through phone at San Francisco, 1-415-863 -4563.



Environment America: A federation that researches, uses media, and goes door-to-door to raise awareness of the issues happening to the environment. For any questions, call at 1-800-401-6511.



350.org: A group of people working to end fossil fuels and have a community-led renewable energy. The organization could accept questions and donations through phone at 1-646-801-0759.



Environment Defense Fund: They set a limit on climate pollution and expand sustainable fishing around

world. The headquarters is in New York, but there are two offices in California at San Francisco and Sacramento. Call at (415) 293-



Global Green: An organization in the United States that creates model projects to build sustainable communities and affordable houses. They also help reduce water and waste for a better future. To contact the headquarters at Santa Monica, call (310) 581-2700.

Greenpeace USA: The organization holds peaceful protests and communication to inform people about the climate issues. They try and convince people to protect and world leaders to stop nuclear testing. (202)462-1177.



Blue-Green Alliance: The BlueGreen Alliance bring together all the influential environmental organizations to solve the issues. They design public policies to create a fairer economy. They could be reached through email at info@ bluegreenalliance.org.

HE TRUTH BEHIND DISNEY PIXAR'S U

depicting the tale of two star- a minute, how can crossed robots that generations room be made if would never forget. However, people in the world Wall-E has a deeper meaning than are taking up all the learning to love.

a futuristic version of earth, show- companies would ing a trash-covered landscape be destroying forwithout a single tree in sight. Due ests to make room to Planet Earth being uninhabit- for factories. That able, humans have taken flight makes sense right? into space. Factories that have No living creatures replaced forests enabled human- are in Forest. Like ity to leave it's home. While it in Wall•E, forests may seem like the animators are are slowly dimintrying to convey a setting for the ishing, and the movie, they are actually trying to number of factorelay a message to the entire com- ries is increasing. munity. You don't think so? Well The more factolet's break this down. Technology ries we make, the is created to make our lives easi- more waste we put er, but new technology does not out into the world. With no signs due to new advancements. Here's son to learn new information if all that was just a vision of what may just fall from the sky, it has to be of this stopping, pretty soon our the cold hard truth: people's we need to do in life is sit, sleep, be the near future. Now humancreated. With populations grow- Planet Earth may look like what lives aren't getting any better. eat, and watch a telescreen right ity has to ask itself if it's too late ing exponentially, room has to be we see in Wall•E. made for factories so that the tech-

space? Instead of Wall•E begins with a view of destroying houses,

In 2008, Pixar Animation Stu-nology humanity desires most can damages because people believe need it. They now use the tech-brain and body need challenges to dios released an animated movie be manufactured. Now wait just their lives are becoming easier nology they created to help them grow and develop. Your brain will

> sistance, humans right ahead. now have no need because

Humanity ignores the earth's Planet Earth since they no longer life of luxury, right? Wrong. Your a reality.

live their lives with not be able to comprehend ideas ease. People no and develop personal thoughts longer have to walk when everything is told and thanks to floating shown to you. Your muscles have chairs, they don't no purpose if they are not being even need to lift used, causing them to deteriorate up their hands to until they can barely work. If this eat thanks to AI sounds like a life of luxury to you, assistants. Enough and you want to sit in a chair and about physical as- let your brain and body suffer, go

The physical damages to your to think critically body all roll back to the damages screens being caused to the earth. Hukeep humans en- mans are destroying the earth to tertained and oc- create advancements that make cupied. No need to life easier when in reality, they're visit a friend when damaging humanity physically Dorkly you can virtually and mentally. Once again, Earth's talk to them. Our termination is revealed in Pixar brains have no rea- Animation Studios' Wall-E, but In Wall•E, the communities flee in front of our face. Seems like a to stop this movie from becoming

Soxic Makeup?

Disney Pixar's Wall•E

fies beauty products as hazardous safe for waste? So what does this mean for animals, our planet? Hazardous waste is the planwaste that is dangerous or poten- et and tially harmful to the environment, the peoespecially for animals and plants, ple who which obviously is not helping our make it." planet's situation. So what can you Axioldo to help the planet without giv- ogy also ing up makeup? Buy clean make- claims up, learn about companies like on their Credo Beauty that partner up with website recycling programs. Credo Beauty that "All is an online shop and "The LARG-EST Clean Beauty STORE" that boxes sells different makeup brands like, are re-Axiology, Besame, RMS, Elate Cos-cyclable metics, Tata Harper, Juice Beauty, Ilia, PYT Beauty, Kjaer Weis, as com-Lily Lolo, and many more. You postable. might not recognize some of these brands or might not trust them so here's some information about by a woman named Ericka Ro-dustry. Elate Cosmetics is another person, animal or the planet." RMS 100% wind power." This is defi-well being of our earth? drigez, and she believes "Makeup" brand that was founded by a wom- is a brand founded by Rosie Marie, nitely good news for the earth.

By Sricharan Guddanti and Tara Kavasseri

of our Our lip-

is not acceptable."

Elate loves your skin...and the Earth

stick tubes are aluminum and can and aim to define the future of glass pots. Our boxes are made be recycled." All of this is definite- beauty with Our products will nev- from 80% post-consumer recycled them: Axiology is a brand founded ly a good change in the makeup in- er compromise the health of any fiber and manufactured using their packaging, ingredients, and

L'Atelier products are housed in recycled

brand

also con-

packaging

their web-

on

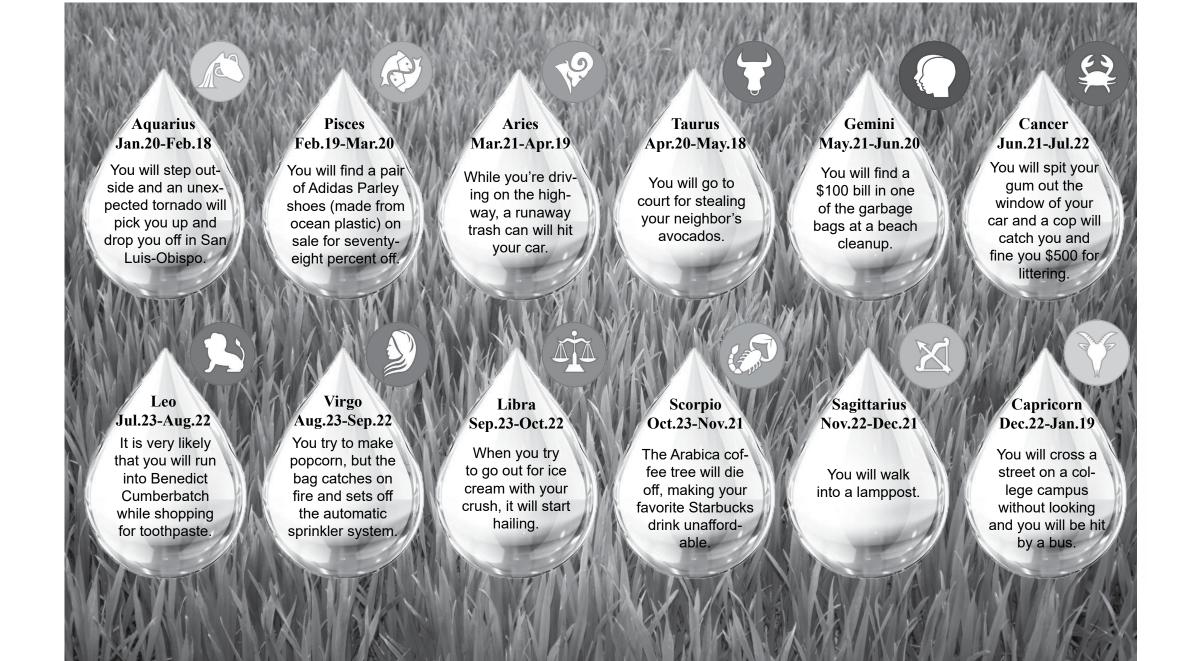
that

state

site

Did you shouldn't just be safe for the peo- an. Melodie Reynolds says her vi- someone who believes "Chemicals One might agree that all these know that US federal law classi- ple who wear it. It should also be sion is to "strive for balance in our are redefining what beauty is in women are doing a wonderful job today's bringing up clean makeup into cosmetic the beauty industry and reducing the amount of waste with natural ingredients and recycled packaging. In addition to this, some of the companies offer refills accord-T h i s ing to Going Zero Waste (10 Zero Waste Makeup Brands), helping to reduce the amount of waste. As mentioned before Credo Beauty has partnered with a recycling program called Terracycle, "This is they the industry's safest way to recycle empty products to reduce cosmetic waste." They also recommend for you to "bring your empties to your local Credo and receive 10 points per full size recycled product. Product does not have to be empty or cleaned out and does not have to be purchased from Credo." Who would've known that so many companies are so conscious about

EPTEMBER HOROSCOPES



YOU ARE RUNNING OUT OF AIR

Amazon fires have grabbed everybody's attention; their impact on climate change and global warming has been alarming. Since the Amazon fires have caused so much attention for the press and people, it is important for humankind to find solutions to end the Amazon fires and delay the speed of climate change. According to an article from *The Harvard Gazette*, titled Amazon Blazes Could Speed Climate Change by Colleen Walsh, who interviewed Brian Farrell, a director from the David Rockefeller Center for Latin American Studies, Farrell said, "As the largest rainforest in the world, the Amazon's storage of carbon is dry season and clisubstantial enough to change the mate of the Amazon world's climate if it were released and also began due into the atmosphere. This is a risk to deforestation of for the entire planet." Indeed, the trees and rainforlocation of these fires has been ests. There was dethroughout the whole country of forestation so that Brazil and its' Amazon rainfor- landowners could est regions. Additionally, an ar- harvest and proticle from Carbon Brief: Clear duce vegetation. on Climate titled Media Reac- For instance, Coltion: Amazon Fires and Climate leen Walsh of the Change by Daisy Dunne and Rob- Hazard Gazette ert Mcsweeney warns us that, "On says, "Natural fires Tuesday 20 August, Brazil's space are not uncommon agency released data showing that 74,000 fires so far this year, the spread far in the Hill reported. BBC News added that this is an 84% increase in the Amazon. The current fires were ins without the need of worrying number of fires seen in the same period last year, according to the Brazillian government data. Nearly 40,000 of these Brazillian fires were in the Amazon, the New York Times reported." These numbers alarm the nation and represent a vast increase in the amount of

throughout all of Brazil, and throughout the whole nation. In been linked with the fires such as

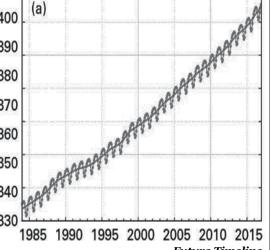
Over the past weeks, the by Mariana Simões says, "On En- would dry trees, leaving them unvironmental Crimes Mr. Bolsonaro has often criticized agencies that enforce environmental laws, and called fines for environmental crimes an "industry" that needs to be abolished." This small portion shows what Mr. Bolsonaro criticized about environmental agencies. In other words, Bolsonaro is one of many people who have been associated with the political views of the fires. According to many stated sources, the Amazon fires had begun rapidly increasing throughout the month of July and have continued so far throughout all of August. The Amazon fires began due to the

in any forest ecosyswet forests of the set deliberately to clear land for

cattle ranching and other activities and are more than double this vear compared to previous years." In other words, there are huge amounts of inferences that the fires could have been purposefully set for other living benefits. You may now ask, so how

These fires have impact- does all this tie up with the speed ed an abundance of residents of climate change? It grandly affects the topic of climate by introducing the hazardous toxins addition, political figures have of carbon. According to Business Insider's Sinead Baker, "If more of Jair Bolsonaro, President of Bra- the Amazon is destroyed, not only zil, who has received plenty of would it stop producing this oxycriticism about the Amazon fires. gen and supporting wildlife, but it For example, according to an arti- could create a feedback loop that cle from *The New York Times*, the worsens climate change. Losing Environment, in His Own Words sult in such a feedback loop, which

able to absorb as much carbon and much more flammable and likely to spread fires, researchers from three British universities wrote in a post for *The Conversation*. Rising global temperatures also threaten the future of remaining trees in aiding the planet. A 2000 study found that rising temperatures could stop trees in the Amazon from absorbing oxygen by as early as 2050 and that they could start to emit carbon instead. Simply stated, deforestation and smoke from the fire truly affects the entire planet long term by permitting it to emit carbon tox-



Future Timeline the country as a whole had seen tem, but they rarely Atmospheric CO2 levels have skyrocketed over the last twenty years.

> In conclusion, the only solution for humankind to put a stop to climate change is by reducing our use of green gas emissions and use our electric outlets wisely and conservatively. It may seem impossible at first to seek the positive outcomes, but the result will be worthwhile and will help to save the earth. The effect of the Amazon fires destroyed a huge part of the planet significantly and it will be really difficult to restore everything that was lost, especially the loss of trees and extinction of animals. Therefore, in order to create change and to stop the speed race of climate crisis and rapid extinction of animals, we must cautious-

about being filtered by trees, sadly.

article Brazil's Bolsonaro on the 20% of Brazil's rainforest could re- ly think how we'll use our left over NOW OR NEVER THE WORLD'S FATE ON A THREAD

By Issac Aguirre

Global warming and its extended impact on our climate contributor to climate change. of energy contribute drastically to is becoming an anticipated reality that has rightfully dominated contain and package products, as measures to replace non-efficient media and news sources. The cli- well as identifying as the products products is crucial to effectively mate crisis has emphasized the themselves. Plastic is a vital asset supporting the climate change expansion of human activity in to packaging and manufacturing movement. By improving the enindustry and depletion of natural in America, but plastic's massive ergy efficiency of kitchen appliresources, causing us to endure existence is a threat to our en- ances and light sources, and by the detrimental effects that shape vironment. According to World eliminating the unnecessary wastour natural world. It is a tragic re- Economic Forum, "Eight percent age of energy, we can revolutionsult of our greed for prominence in of the world's oil production is ize the energy-conserving agenda



Fossil fuels industry drives plastic pollution up

have lapsed into an unsustainable climate issue. However, amidst the fear and confusion that has erupted in recent years regarding our future, innovative and efficient solutions exist that can reverse that fate of our planet, which we owe our lives to. The decisive issues that fuel our "climate crisis" lack of energy-efficiency.

Fossil Fuels and Industry

The plastic industry is rectified the limits of nature's patience. ognized as a vile culprit for "underwater genocide" and ocean pollu- Energy Efficient Products tion, but the process of producing

is manufacturing. That number is approve of. projected to rise by 20 percent by 2050." It is imperative to reform policies on burning fossil fuels, and to avoid many plastic-based products on the market.

Deforestation depleted half of the world's supply the delicacy of our ecosystems by of forests, and other nations are the shattered fragments of its cliin pursuit to urbanize their land, mate, and the immediate concern industrialize their economy, and for our future. Project Drawdown engage in agricultural practices. presents equitable solutions to ab-In recent years, an unprecedented exploitation of natural resources sever the climate change issue. have demanded attention from The Environmental Defense Fund the general public and conser- (EDF) is a global leader in provationists abroad. Sectors of the viding programs, by partnering Amazons are ablaze, and have with communities to assess global prompted developed countries to warming. Securing the fate of our condemn Brazil's deforestation world is inextricably linked to how fires, even though such countries we thrive, and obtain responsibilhave depleted countless forests to ity for it. Apathy for the condition are teeming with global attention: improve their own economy. En- of our planet is an abominable exfossil fuels, deforestation, and the vironmental organizations have cuse for the direct harm we have rallied to protect the perpetual rendered to the world we live in; practice of illegal logging and hu- it's now that we must involve ourman-initiated fires that are testing selves in the movement that will seal the fate of our planet and the

Countless household ap-

plastic products is an unwavering pliances and nonessential usages Globally, plastic is manipulated to global warming. Investmenting in economic prosperity, and thus we used to make plastic and power it that global leaders are destined to

Getting involved

As global warming accelerates into sectors of irreversible consequences, our empathy for the world we live in has also been appreciated more than ever. Developed countries have Individually, we are witnessing sorb green-house emissions and

millions of species that depend on

Jair Bolsonaro, the newly of the world is becoming involved start fires in the Amazon Rainforest, since the beginning of his term in 2019. Their intent is to create new land for ranches and cattle to increase the amount of meat in Brazil, along with other foreign their own profit- but the forest is sanctuary to preserve the wildlife that live there, so burning it would

ing the environment and ecosystem, they are also hurting the tribes who have lived there, unbothered, until now. Several of these tribes have been untouched by the outside world like the Piripkura, or butterfly people, and the Kawahiva, who stopped having children because of the constant threats of the poach-

of land has already been scourged by the fire, with no end of the inferno in sight. The contributes to 20 percent of oxy-

preserve the forest and culture. and the World Independent gets happening. at the fact that because the rest

elected Brazilian president, has and did not react happily to Bolallowed ranchers and poachers to sonaro's ignorance to the problem. Over 80,000 fire outbreaks have happened in Brazil in 2019, causing CO2 emissions coming from Brazil to more than double. With the already rising concern of global warming and greenhouse gases companies that want that land for warming the Earth, the addition of these fires, along with the fact that protected by the government, as a the burned down land will not be used for environmentally friendly purposes, the burning of the Amazon Rainforest greatly impacts These fires are not only affect- the rest of the world. The Amazon



ers. Thousands of miles The Amazon rainforest is burning at an unprecedented rate.

indigenous people of these tribes gen in our planet's atmospherehave decided to fight against the without the Earth's lungs helping poachers to save their land and the Earth breath, the greenhouse gasses already increasing in the air Currently 44,000 Brazilian sol- will affect us even more. Burning diers are ready to fight any defi- the Amazon is important to everyance against the illegal burning, one on the planet, and yet it is still

By Sricharan Guddanti

The problem of pollution is becoming worse by the day. According to the World Health Organization, nearly 4.2 million people die due to outdoor air pollution alone, and the fine air particles that make up the polluted air lead to dangerous health situations, such as lung cancer, heart disease, and stroke. Although China has become a tourism hub in recent

to be filled with 40,000 trees and nearly a million plants. This increase in vegetation is predicted to eliminate almost 57 tons of air pollutants and 10,000 tons of carbon dioxide per year. Meanwhile, this plant life is expected to produce 900 tons of oxygen in that same time span, thus cleansing the environment and improving air quality. Adding to the city's green appeal, firm principal Stefano Beori plans to install solar panels and vears, pollution in the area has use geothermal energy to power served as a deterrent for both the homes and air-conditioning re-



Future plans for Liuzhou Forest City

people and the environment. The main cause of this is China's industrv. Industrialization has reached new heights that have never been seen before. Twenty-five of the of Liuzhou. world's largest cities are in China, and more people are moving from to be situated on a 175-hectare rural areas to cities. Urban sprawl has amplified the effects of pollution, and the Chinese government has taken notice. The Chinese administration is dismantling power plants to minimize coal usage, and an environmental tax has been added to increase funding for According the Boeri's plans, the green policies. Nonetheless, air pollution is killing nearly one million people and costing China over buildings, which will account for \$37 billion annually. With this dire problem at hand, China has started construction on a forest tals. city, a project that only a few years ago would have been considered a Liuzhou Forest City has already far-fetched solution.

The city's goal is to combine the likes of urban cities and reduce pollution with the addition of over 100 species of plants. According to the plan laid out by Stefano Boeri Architects, the firm that is planning this project in advances in urban architecture. conjunction with China; the city is

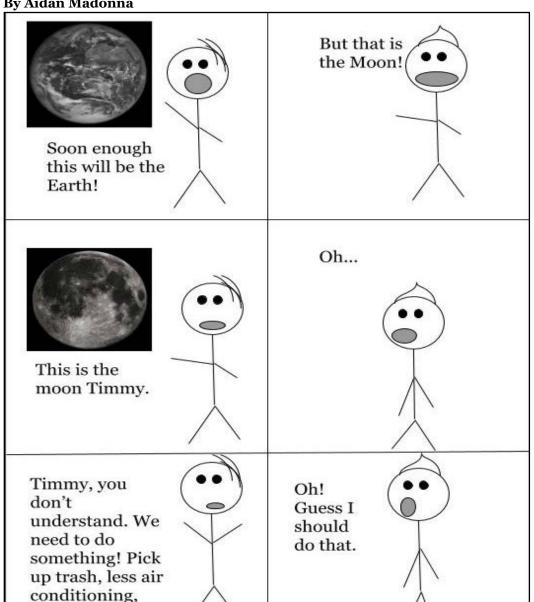
spectively. According to the city's plan, an electric rail line will be built to help Liuzhou Forest City residents get to the southern part

The forest city is planned plot of land in Northern Liuzhou next to the Liujiang Lake. Aiming to accommodate China's growing population and attack the globe's rising temperatures, the city will have the appropriate infrastructure, and it will be self-sufficient. city could hold close to 30,000 residents. There will be over 70 public facilities such as schools, offices, homes, hotels, and hospi-

The construction of the begun, and it is set to be finished sometime in 2020. If this project is successful, then the combination of urban infrastructure and plant life to combat climate change could become a reality, and this city will be a role model for future

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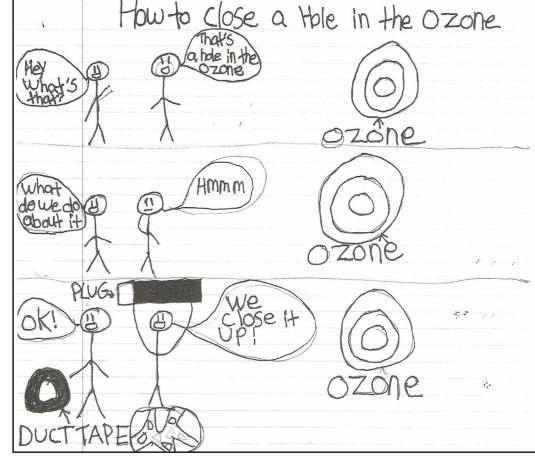
That's the Moon Timmy!

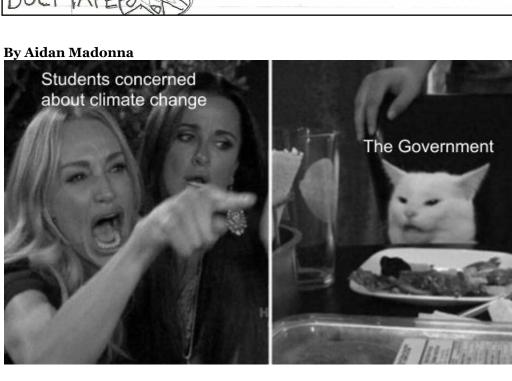


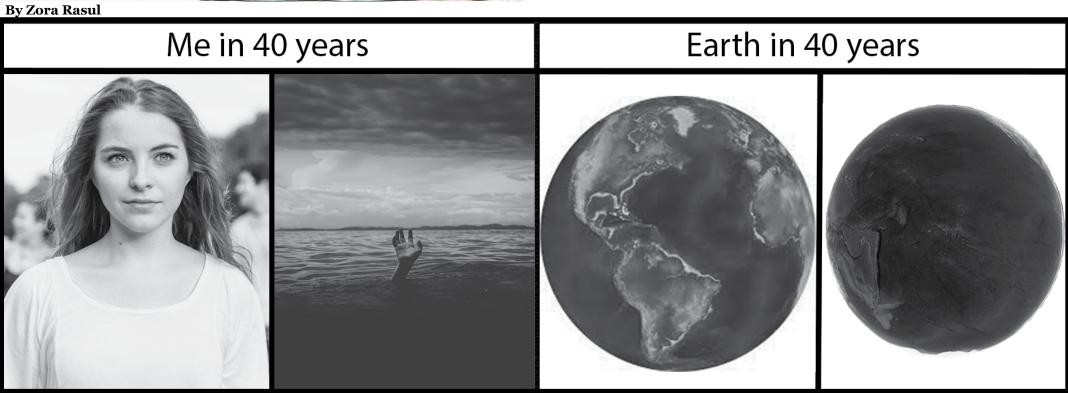
Eating meat Eating grass **By Edward Crespo**

less energy! Trying New Glothes

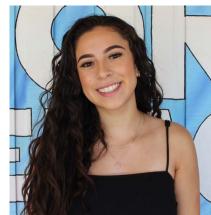








Limate Change Student Action A



"I recycle" - Faith Cheveres ('20)



"I recycle and I sometimes walk to school" - Emiliano Hueso ('20)



"I have my reusable cup and straw that I fill up with water every morning" - Sara Thomas ('20)



"I eat more broccoli and I walk to school" - Renz Satsatin ('20)



"I pick up the trash after myself and others, even when I'm walking around in a random spot. If I see trash on the floor I'm picking it up"



"I take 5 minute showers every morning before school begins" - Ayush Ranabhat ('21)



"In an effort to be more environmentally conscious, I try my best to walk, bike, or carpool as frequently as possible"



"I plant trees and I don't use straws" - Savavelli Pennywell ('21)



"I don't care much for the planet, but I do walk to when I can"

- Marissa Jovel ('21)



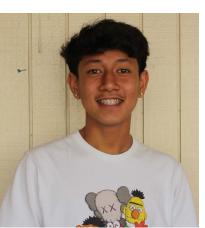
"I married a woman who taught me how to recycle at school and try to recycle home. I cut up my plastic before I throw it away and stop using straws"



"When I go to the bathroom, I do not flush the toilet" - Jake Johnstone ('21)



"Sometimes I bike to places instead of driving" - Yen Luu ('22)



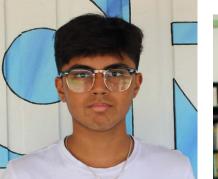
"I take 5 minute showers and walk to school everyday" - Matthew Dizon ('22)



"I don't use straws unless it's with frappes from Starbucks" - Katelyn Sandoval ('22)



"I unplug appliances when they are not being used and always try to turn off lights in my house. I live in the



"I have a garden at home that my family maintains and uses daily"



"We are growing our own food to use in the classroom. We are recycling and we have a guest speaker from the city of Fremont coming into talk about recycling and composting"



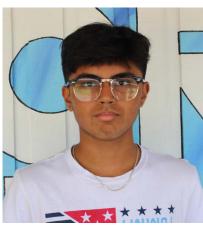
"REUSABLE PLASTIC BAGS" - Paul Mcdermott (Staff)



"I walk to school and sometimes I recycle" - Jacob Palmones ('23)



"I sometimes will help pick up trash and always recycle when I can" - Edgar Guzman ('23)



- Jatin Kumar ('23)

LIMATE STRIKE IN SAN FRANSISCO









Photos by Nicolette Madonna