Eagle Pride Press Quarterly Volume 2 Issue 1

"A journey of a thousand miles begins with a single step." -

Lao Tzu

It's been an entire quarter full of hard work and learning. Students have put in a lot of effort into making these outstanding articles, and we're excited to announce Volume 2 Issue 1 of the Eagle Pride Press! Taking the time to read these superb articles would be the perfect end to a great first three months back. Enjoy!

Jaansi Parsa and Shelley Parker

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"A Tribute to Fearless Fighters"-Shelley Parker

On September eleventh, almost eighteen years ago, an unforgettable sacrifice was made. One that would, for generations to come, be an eternal symbol of loyalty, courage, and unity in America. This devastating occurrence claimed the lives of many, and we are forever indebted to the heroic men and women who sacrificed their own lives to save countless others. In honor of them and inspired by them, we can choose to help others in our day to day lives.

Foreign terrorists hijacked four American planes plotting the demise of many of our country's greatest monuments including the World Trade Center, the Pentagon, and our very own Nation's Capital. Thousands of people lost their lives at the ruthless hands of terrorists attempting to tear apart our nation. According to "Here and Now", nine-eleven survivor, Brian Clark, was one of the many valiant rescuers. As he evacuated the falling South Tower of the World Trade Center, he recalls, "It was a very strange feeling, but there was nobody there, but it pushed me to the left." Guided by this feeling he led a pack of eight others down the stairwell. When they came to the 81st floor, he heard someone calling for help buried under mounds of rubble. He again felt the urge to save the man and dug him out. They stumbled out of the building minutes before it caved in tumbling to the ground. There are many stories like this; tales of people supporting each other and helping each other escape the roaring blaze.



"The Climate Crisis"- Elinor Rienzo

Sometime around kindergarten or first grade, many of us learned about something called "global warming" or "climate change". Some of us took this very seriously and began to paranoidly turn off the lights; others didn't pay much attention to it. This is now an existential crisis. Let's explore a basic overview of what the Climate Crisis is and how it affects Florida.

In all honesty, the future of this planet looks pretty alarming. While temperatures go up, so does the amount of destruction. David Wallace-Wells implied, 2°C of global heating could result in horrible conditions including 400 million more people facing local water inadequacy. To make matters even worse, many of these predictions assume that we would be making an effort to reduce our emissions, release of carbon dioxide and other harmful greenhouse gasses. Many of them specifically assume that we would be using bio-energy with carbon capture and storage (BECCS), burning plant matter for energy then storing the emissions, would be taking place at a scale that would involve between 1.269 million to 2.538 million square miles of land to be used for biomass crops (About 2,500 BECCS facilities). That's somewhere between the size of India and the amount of land it would take to set aside a square mile for every resident in one of the most populous cities in Indonesia. This is completely ridiculous as only 21 BECCS facilities were operating in 2018. Also, emissions won't magically disappear once we get to 2°C of heating. If at that point, we continue to release carbon dioxide and other harmful greenhouse gases, then the heating will continue. At 3°C of heating, Earth's agriculture systems will have a much more difficult time feeding our growing population, which in 2100 (the year experts have predicted as a best-case scenario for when we get to 3°C of heating) is projected to be over 11 billion people. That's one person for every ton of ice that melted in Greenland on August 7th. However, if we continue to ignore

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"Goodbye to the Amazon?"- Alex Sareh

The world's largest tropical forest has been lit into an inferno for some time now; Many call it an international crisis. Group of Seven (G7) countries promised €20 million in aid for the rainforest which Brazil's President rejected.

Brazil's National Institute for Space Research has reported that at least 74,000 fires have been in the Amazon so far this year which is an increase of 84 percent compared to the same time last year. This is extremely alarming because the Amazon Rainforest never burns on its own, and the increase in fires this year has been enormous. This region is usually too damp to inflame, so a large majority of these fires are caused by people. Some of the fires are started by farmers trying to free land, some of the fires are caused by illegal lumberjacks trying to cover their tracks, and some fires occur from carelessness.

If the smoke ever dissipates and the flames die down, another precarious threat is looming for the rainforest. Many scientists warn that if enough of the forest is lost, our world could spiral out of control. This is an outcome with global consequences, and if we cross the line for deforestation, it could be a point of no return. In addition to deforestation, the Amazon rainforest fire might leave us gasping for air. Researchers at "Newsweek.com" claim that the Amazon Rainforest produces 20 percent of the world's oxygen supply. This loss of air may leave many of us dyspneic.

Although there are terrible times ahead of us, all we can do right now is wait until the ongoing fire and deforestation halts. From there, Brazil's government and the world as a whole, will have to take on the thorny task of solving all problems caused by the fires and develop a lifestyle adaptable to the terrible effects of the Amazon fires fthat cannot be fixed.



"Extinction or Extermination"- Evelin Rienzo

Animals killed, trees cut down, houses built... it has been the same for centuries. As a population, humans have expanded more than 60% over the last 50 years. That means we need to make room for houses and roads. Therefore, we cut down trees and plow land to make way for agriculture. When we do, we have no regard to what happens to the animals. Over 20% of children do not know what is happening to are world. Animals are being hunted because we humans are bored, animals are forced to flee their homes or be crushed by bulldozers and our own neglectance.

The saola is a highly endangered animal that most scientists are not even sure still exists in the wild. Saola means spindle horn because of their two large horns that look like what we believe the mythical unicorn's would. The WWF, which stands for World Wild Fund, and is an organization that tries to protect and catch those animals on camera so we can learn how to best protect them. Fortunately, the WWF might have discovered what is killing the beautiful saola. "As forests disappear under the chainsaw to make way for agriculture, plantations and infrastructure, saola are being squeezed into smaller spaces." Humans are one of the fastest reproducing species on the Earth. Therefore, we take up the most space. We have evolved and become smarter and stronger, because we have gotten smarter we have learned how to make houses and how to clear land. The saola do not have the ability to stop us from taking what is truly theirs. We hear about people losing their homes to natural disasters but I ask you how different is that from bulldozing a forest? WWF stated in one of their articles that "Saola have been caught in snares set in the forest for wild boar, sambar or muntjac deer." Not all hunters intend to catch these rare creatures however there are some who believe that they can find the saola and sell their horns for money.



"Pronk, Oxter, Dongle, Strawhat"-Jaansi Parsa

You might be one of those people that dread going to Language Arts every day. Some students insist that English class is about as fun as doing the dishes. Well, the English language is anything but boring. There are so many fascinating aspects to English that nobody thinks about the origins, history, and numerous interesting facts. There are so many little rules with big exceptions, like adding "s" and "es" for plurals, but not for fish, moose, or geese. Homonyms, homophones, homographs? Silent letters? What is going on?

Pronk, oxter, dongle, strawhat. You may think I'm speaking gibberish, but those are real words. So, the next time you play Scrabble, just arrange your letters in any random pattern. There's a 50% chance it'll actually end up being a real word. English is believed to be the biggest modern language. There are so many different words from nations all around the globe with their own variations too. Webster's Unabridged Dictionary has about 470,000 words-- an almost incomprehensible amount. To put it into perspective, studying those words and their definitions end to end would take about 86 hours (without stopping) for the average reader. And according to dictionary expert Susie Dent, "The average active vocabulary of an adult English speaker is around 20,000 words." Yes, that's a lot, but it's not even close to how many total words there are!



"Sketchy Nestle"- William Curry

In 2011, the state of California had entered one of its many droughts, lasting for 6 years as one of the longest and also one of the driest California had since they started keeping records. You may be familiar with the Swiss food and consumables giant Nestlé. They own over 2000 brands across a wide range of markets, such as bottled water, milkshakes, soups, and infant foods. However, they are also somewhat known for their controversies, some of which specifically revolve around their legal and ethical issues.

In the year 1988, Nestlé's permit to pump water from the San Bernardino National Forest had expired, and the representatives of the Forest Service had failed to follow up on the review process of their permit to draw water from the forest's wells. The Forest Service had announced a review of the permit and in 2016 proposed a new 5-year permit to pump water following investigations from Desert Sun in 2015 that suggested that their water usage was affecting wildlife. According to that investigation, "An increasingly rare species of native fish, the Santa Ana speckled dace, used to survive in Strawberry Creek. Then, after the wildfire and floods of 2003, the little fish disappeared from Strawberry Creek and other nearby streams." There has also been concerns about the quality of the filtering they use after they pump the water. Far more trace amounts of bacteria have been found in the bottled water than the natural water from the springs. All while California is in the middle of one of its worst droughts and needs the water more than ever.

Nestlé and ethics shouldn't even be in the same sentence, from child labor and trafficking to manipulation of the public knowledge, Nestlé is the farthest thing from "ethical." Lawsuits have ensued from the suspicion that a substantial amount of Nestlé's bottled water is simply tap water. In the 80's they advertised a baby food solution that was "so like mother's milk that the tiny stomach won't know the difference."

"Are Animals Smarter than Us?"-Enzo Fonseca Oliveira

We've always asked are you smarter than a fifth grader? BUT have you asked are you smarter than a animal. Studies have started to show that some animals might be as smart as us. Some animals getting the same or even better results on tests. So are you smarter than an animal?

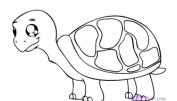
People have wondered... what is the smartest animal? Smart means having or showing a quick-witted intelligence.some animals are so smart they could get similar scores to humans in some tests, some animals could do even better. For example in one test according to a popular science article they put a family of crows against a group of kids (most 8 years old) the test was that they had to raise the water level so they could get the boat the way they did that was by dropping pebbles into a tube. The crows figured this out fairly quickly the kids had a harder time. This proves certain animals could do things better than us.

Which animal is most like a human? Humans, chimpanzees, gorillas, orangutans and their extinct ancestors form a family of organisms known as the Hominidae. According to some research chimpanzees are the smartests types of apes. According to a Popular Science article a test they did with chimps was a memory test what they had to do was tap were the numbers were in a screen. The older chimps did ok but the young chimps did way better than everybody.

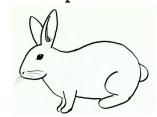
So do you believe that animals are smarter than us? Animals can do some things better than us... as surprising as this is it's true. So next time you think animals are not as smart remember a crow could probably beat you on a puzzle.











"Pavlov's Dogs"- Summer Shedd

We all know about Pavlov's famous experiment, you know, the one with the dogs. Just like most extraordinary scientific discoveries, this one was an accident. It did come to great use, though, as it had a huge impact on our understanding of how learning takes place. We use this knowledge to treat mental health disorders, anxiety, and help people cope with phobias.

Ivan Pavlov was a Russian physiologist who won the Nobel Prize in 1904! While he was studying digestion in dogs, he made an observation. The dogs would begin to salivate every time an assistant came into the room. The research was Pavlov and the assistants giving the dogs edible and non-edible food, and then measuring the amount of saliva produced for each kind of food. He found that salivation was a reflexive process- it's not under conscious mind. Pavlov noticed that the dogs were salivating even without the food or even the smell of food.

Pavlov made a suggestion that the dogs had made a connection between the white lab coats and food. They knew they would be fed by the people doing the experiment, so they would salivate at the expectation of food. To test his theory, he fed the dogs food at the sound of a metronome ticking. After testing his theory plenty of times, he noticed the dogs would start to salivate when they heard the metronome. This demonstrated that they could be trained to expect something by repetition of sound.

Pavlov made a pawsome discovery- even though it was accidental. This experiment was a huge step towards learning more about dog psychology and even human psychology! (Yes it also works on humans.) So go ahead, try it out! You could test it on your friend or your pup and see how they are put under the "spell".



"Frickin Aliens, Am I Right?"-Meadow Stanley

As we all probably know, Area 51 is a big topic in today's society. Some believe it is a military training base, others believe it's an alien related private property. It's owned by the government and is located roughly 70 miles away from Las Vegas. It's popular due to how secretive it is. Area 51 is closed off to the public and has tight security guarding it 24/7. People are forbidden to walk anywhere near it, any sign of trespassing will have them arrested and fined.

Conspiracy theories about this private base began in the 1950s and are still being argued about today. Some of these theories include but are not limited to: "The government hiding aliens or alien technology inside of area 51" along with "The moon landing being filmed inside." The belief that the government is hiding aliens from the world began in 1954 with the establishment of area 51 as a training and testing site for the U-2 project to USSR missions. The secret military base began tests with U-2 (a high-tech American aircraft) in the summer of 1955. Shortly after these tests began, people started to claim they saw UFOs. Specifically, pilots of commercial airlines spotted these flying objects in the Nevada air region and reported them (U.osu.edu, 2019). People also began to claim a weather balloon that crashed in 1947 was actually an alien spacecraft taken to Area 51 and rebuilt into a U-2. The government later claimed it was a nuclear monitoring balloon. So, is the government trustworthy? Because of Area 51's secrecy, there is no information about it's use today. If the government is lying about the existence of aliens, they would be hiding essential information that could lead to a whole new world of knowledge (U.osu.edu, 2019). However, there's no rock solid evidence to prove the existence of extraterrestrial life forms so a conclusion cannot be made of whether they exist or not.



"Dangers of Online Friends"-Georgiana Muresan

The internet is like a HUGE highway, filled with cars (people) riding the roads, from site to site. While some roads run smooth, others can get you in an accident. Hurtful online friends, who can catfish you, bully you, and scam you often cause these crashes. If online friends cause you pain, you'll be in a crash, but smart drivers can avoid this inconvenience.

Most kids can't wait until school is over to hit the internet; their first thought is talking to their friends and catching up via Facebook, Snapchat, Instagram, Twitter, etc. It's all fun... until it starts to become hurtful. In an article called "Online Safety For Teens" the author goes into how catfishing can be a concern stating, "Catfishing, where people pretend to be someone they're not, and the threat of adult predators are also top concerns when teenagers go online." Catfishing can be very dangerous depending on the situation. So unless you know the person, or have met up with them, the person behind the screen could be a completely different person than who they tell you they are. I know that I wouldn't want someone that I thought was my friend turning out to be someone completely different. In the same article, the author also points out the issue of online bullying, "Online friendships can be productive, they can also be hurtful. The disconnection from personal interaction inherent in internet relationships can facilitate bullying -- it's simply easier to insult someone when you're not looking at their face." I don't like being bullied, and you probably don't either. Being bullied online is just as bad as real-life bullying. Some online friends can turn into online bullies really quickly... just by starting with rude remarks and shaming you. In another article named " Dangers of Meeting People Online," the author explains, "If someone requests your address or social security number, it becomes easy to steal your identity."

"Everyone Has Value"- Savanah Beach

Everyone has value. Even the ones that are different than It's important that you. Autism is a learning disorder that affects how kids act and see things. It is often very difficult for them to adapt to new situations and social environments. In the article, Autism Speaks, it says, "Autism refers to a broad range of conditions characterized by challenges with social skills, Repetitive behaviors, Speech and nonverbal communication." It's hard to imagine what it would be like to not be able to talk as easily or have a million things going on in the mind that cause them to do things without their consent.

Autistic kids need a little help with behavior and learning It is difficult for autism individuals, but the way you treat them can make a real difference. According to University of Rochester Medical Center it states, "They take things literally. You need to be careful and say exactly what you mean. If you hurry the child by saying "step on it," don't be surprised if he or she asks what to step on." This means that autistic kids take whatever you say literally they don't understand jokes or sarcasm. If you were to say something mean like, "You're dumb!" and it was a joke they might not understand that and take it seriously. Children with autism are very different from us and that's what makes them unique!

Autistic kids can do things that your not used to but they do it to calm them down or it makes them happy. Autistic kids tend to make weird noises when they feel happy, sad, scared, and mad. According to the text "Playground NSW", it states, "Making excessive noises can indicate auditory sensory-seeking tendencies." This means that if they like the noise... then they are going to keep doing it because it makes them happy.





"Are You Kidding Me? Zombie Ants?"-Addisyn Nadwodny

Zombies. Ants. Mind Control. Three things most people fear. When you combine those three things together... what does that make? Zombified ants. Even though these are not the typical type of zombies that come to mind when you think of the brain eating fictional creatures, these ants are the living definition of a real life zombie. What causes them you ask? Well, the answer is a fungus that lures the clueless ant to fall into a deadly trap... and little do the ants know... there is no return. So, to know the basic gist of it all, let's start with the basic zombifying process.

To start with, what is this fungus called? According to The Atlantic Science Section the zombifying fungus taking over the ant is called "ophiocordyceps unilateralis". This fungus hijacks a tropical carpenter ant's brain and sucks all the nutrients and life out of it along with the control the ant once had over itself.

After about a week, this life sucking fungus forces the ant to leave the safety of the nest. After this, the fungus makes the ant climb up a plant stem about 25 centimeters off the ground. The fungus next makes the ant permanently lock its manibes (also known as jaws) on the plant stem or a leaf. Soon after it sends a long stock through the dying ant's head. OUCH!!!

Before long... spores produced by the fungus grow out of the stalk through the ant's head. The spores later fall on other ants down below and causes the zombifying process to repeat again and again.

Additionally, to go more in depth about the "zombiefing". The process starts with a single cell in the bloodstream. That one cell then copies itself over and over. Then after there is enough cells to take control, they work together controlling the ant's body permanently.

Click here to continue

"The Cerebrum"- Daniela Lozada

We all have a brain, but it's all too easy to take it for granted. Knowing about the brain and its different parts is very important. The cerebrum is one part of the brain, and it has many functions. In this article, you will learn about the different parts of the cerebrum and their individual functions.

The cerebrum is a very important part of the brain and has the responsibility of completing many critical tasks. In an article called "Anatomy of the Brain" it states, "Cerebrum is the largest part of the brain". The cerebrum is composed of the left and right hemisphere. It performs crucial functions like interpreting information from our sensory organs, as well as control of movement, learning, speech, emotions, and reasoning. The cerebrum is composed of many parts that have different functions.

The occipital lobe is in charge of processing visual information.

There are two temporal lobes, one in each hemisphere close to the ears. Its main job is to process auditory information, but it may also involve in emotion, learning, and pronunciation/learning a new language.

The frontal lobe helps you complete complex tasks, create full sentences, undertake voluntary movement, and it is responsible for your personality traits.

The parietal lobe is in charge of basic sensation and feelings. For example, when you're in a cold room and you put a jacket on or check the temperature to avoid being cold, you can thank your parietal lobe.

"The love of beauty in its multiple forms is the noblest gift from the human cerebrum" -Alexis Carrel. Next time you see a painting or listen to a song, take a moment and think about the cerebrum and all that it does for you. From your decisions to your emotions, your brain is always working and helps you to live life at its fullest.

"Deadly Diseases"- Sara Hernandez

Some people don't really realize the amount of people that are dying every day in Africa. These deaths are caused by the diseases, LRI (lower respiratory infections), and pneumonia. These ailments are very common around the world and easily treated and prevented in most developing countries. However, a lack of adequate healthcare and awareness about prevention in Cameroon can make these infections deadly. These viruses are often lethal and should not be taken lightly.

There are many fatal diseases that most people don't know about going around Africa. These illnesses include the lower respiratory infections and pneumonia. According to NCBI it states,"In 2013, the Institute for Health Metrics and Evaluation Global Burden of Disease study found that LRIs(lower respiratory infections) accounted for 2.7 million deaths worldwide". That's impressive, these are the most detrimental diseases today going around Africa and spreading worldwide. Another terminal disease is pneumonia. A lot of people catch pneumonia by infections that go into the lungs and cause it to inflame the airways. NCBI states, "Although pneumonia can affect people of all ages, children aged under 5 years, adults over 65 years and immunocompromised persons tend to be more at risk". Children under 5 years old tend to get pneumonia easier because of Streptococcus pneumoniae (the most common cause of bacterial pneumonia in children). I couldn't even begin to imagine how scary it would be to have a five year old child with pneumoniae. Everyone should be cautious with their health.

To conclude, lower respiratory infections and pneumonia are the most malignant diseases that are going around Africa. When not treated right, these diseases can be extremely detrimental and frequently lead to death. Every year countless people die because of these deadly sicknesses. Don't treat these diseases lightly and be mindful of your health because why these bacterial diseases are an epidemic in Africa... they take many lives in America too!



"Glow Dance"- Peyton Sidwell

Black lights emit their purple rays onto the dance floor, that just hours prior had been a lunchroom full with clumps of students crowding around a table for talented students to paint their artwork on their faces and hands, groups of friends sitting sharing casual conversation over a can of buzzing soda and fresh pizza for each of them, all to celebrate the first dance of this 2019-2020 school year. Starting this school year off with a phosphorescent flash, the glow dance was certainly the right way to kick off this quarter.

There was something for every student and there is no doubt that anyone didn't enjoy this flashy disco. With the companionship of my friend Maxwell, we questioned students and staff alike on their thoughts about this fluorescent festival. So who better to ask than the man behind the masterpiece, none other than Mr. Betz. We asked him a question that was likely on many people's minds; does he enjoy planning these dances? "Yes, I do enjoy planning these dances. Although it's stressful, it is fun to see it come together, but the true payoff is to see students enjoying themselves," was his pleasant reply. This dance was truly entertaining and spectacularly decorated, so much so that any student would want to go! But, to get to go to the dance you can't just buy a ticket, you have to have exceptional behavior.

So how do these dances help support positive behavior? Mr. Eckhardt answered, "I believe it gives students something more to look forward to, than just academics, and goes further into positive behavior. This dance is something to be earned, and it endorses positive interactions amongst students in general, so that they can attend the dance." This inspired us to ask students of all grade levels how they felt about the dance. Eighth grader, Sophia Pyles, told us, "I really like the food options, and the music choice is great as well." She wasn't the only one who liked the array of music.

Click here to continue reading the review.

Artists Inside the Nest



Kandace Conner



"Happy Halloween"-Tatiana Wells



"Alli the Hybrid Wolf"-Ellianna Echazab

Daniela Lozada-Mazuera















Announcements

October 23-30: Red Ribbon Week October 25: Fall Festival and Haunted Walk November 21-22: TAG Field Trip November 25-29: Thanksgiving Break

Join dn0tx1y to submit your own artwork, short story, poetry, or article! DISCLAIMER: NOT ALL SUBMITTED PIECES WILL BE PUBLISHED.

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