



# The Northern Bark

Issue 2 Volume 2

NHS School Newspaper

March 6, 2017



## **A Look Through the Lens: "Birdie" Takes Flight at NHS**

*The school's show of Bye Bye Birdie is on full swing. Rehearsals started last week, and the cast is more than excited to get things started. The show will be performed April 27, 28, and 29th. Above are pictures of the cast and crew in action. (Left, Ronnie Schartiger, Kayla Guthrie, and Dawson Beitzel) (Center, Cameron Bittinger, Ava Roberts, Moriah Fornof, Cheyenne Garrett) and (Right, Keegan Pitts and Madison Dolchan)*

## **Science Now:**

### **New Subatomic Particles Discovered**

**By Nathan Ashley**

There is a theory, for those of you who are not science buffs, that describes how matter is supposedly made up of insanely small particles called quarks. New data tells us that, as the smallest things we know of, they measure about 43 quadrillionths ( $0.43 \times 10^{-16}$ ) of a centimeter across. Scientists thought they had briefly discovered new particles (called pentaquarks), which are made up of five quarks that have been smashed together at unfathomable speeds using a particle collider, in 2003, though the particles' minute half-lives

caused them to decay too quickly to study them. Recently, scientists found a way to recreate these mysterious particles in a particle collider in the CERN (short for the French terms "Conseil Européen pour la Recherche Nucléaire" which means European Council for Nuclear Research) and to allow them to stick around long enough to study them. The CERN research center is using a higher powered particle accelerator than ever before. The Large Hadron Collider (LHC) is a 27-kilometer-long (16.7 miles) U-shaped tunnel that chills particles to  $-271.3$  degrees Celsius, which is colder than outer space! It (continued on page 2)

## **In Sports:**

### **Spring Has Sprung**

**By Alanna Kinney**

As we say goodbye to winter and the cold weather, we get to say hello to spring and the new sports heating up by transitioning from basketball, wrestling, and bocce to baseball, softball, tennis, and track. Practices have officially started as of March 1st making this an exciting part of the year. I talked to several players and asked what they're looking forward to most about their sports. Megan Smith who plays tennis said, "I look forward to hopefully improving a lot with our new coach and having fun at all of the matches!" Lance Smith who plays baseball stated, "I'm looking forward to the 2017 season and hope to (continued on page 6)

## **Breaking News: Death Penalty Alive and Well**

**By NHS News Staff**

Eight people are scheduled to be executed in Arkansas over the course of merely ten days. The death penalty has not been used in this state for over ten years, and this new drug they are using is causing problems. It seems to be ineffective at its job, as it causes the criminals to experience slow, painful deaths. So many executions in such a short time is unheard of in America, and this is causing some dispute. This is a historical event as this many executions have not been carried out in such a short time ever before.

People are protesting the use of the new anesthetic drug Midazolam, which would be administered to numb the convicted before being given two other drugs to paralyze and kill them, is not preventing pain. For people who argue that executions are immoral or sacrilegious because they don't bring about a painless enough death, this is stirring up quite a fire. A recent execution in Alabama helped to rewarm the coals of this fire, when Ronald Smith was executed and seemed to be gasping for breath after being given the drugs. He was clenching his fist, which for the doctors administering it, (continued on page 4)

## Science Now

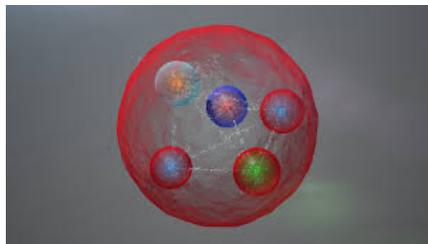
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uses a supply chain of tubes for liquid helium input for this temperature to be achieved and is located 175 metres (574 feet) underground. It utilizes 1232 super-conducting dipole magnets, which have both North and South ends, and 392 quadripole magnets, which have North, South, East, and West poles that all repel each other so that the particles can move as fast as they need to. It is the largest, most powerful collider in the world and is essentially the same as an apparatus that would shoot two needles from 10 miles apart with such speed and precision that they would collide in the middle and split each other into four slices like banana peels.

It discovered the pentaquarks by smashing several quarks of different kinds into each other. The different kinds of quarks all have different properties, like electrical charge, color, behaviors, and something called "flavor." Flavor describes what kind of quark it is, as there are six different kinds: up, down, strange, charm, bottom, and top. The six types all behave differently and can create special theoretical compounds when combined.

CERN scientists observed that, though the pentaquarks and tetraquarks (consisting of four instead of five) have only been made artificially with particle colliders and quantum physics, they could also

potentially be created naturally by a mega supernova, which is the death process of a dwarf star imploding. This has not yet been observed, but the physical possibilities are present. As these particles are studied, they have proven to be very high energy and destructive, which might even lead to an anti-matter power source, which would be an unlimited power supply, even stronger than nuclear reactors.



## Strange Happenings: Unfortunate But Memorable Mistakes

By Bailey Brewer

The night started off wonderfully. The magnificent Dolby Theatre was filled with some of the most treasured people in show business. Over thirty million people tuned into watch the infamous Oscars unfold. People were on the edge of their seats waiting to see if their favorite movies, actors, directors, and more would win big. While of course there is always that surprising win for the underdog, this year held a much different type of drama.

Warren Beatty and Faye Dunaway were chosen to

present the award for 'Best Picture.' And while fans of *Bonnie and Clyde* were excited to see this wonderful reunion, what happens next surely overshadows this lovely moment. After announcing the nominated works, Warren began to open the envelope, but then paused, creating a very awkward silence.

Assuming that this was just Warren being funny, Faye took the envelope, and eventually stated the words that sparked the iconic moment, "*La La Land*."

Within moments, the cast and crew of *La La Land* filled the stage. Wonderful, heart-warming speeches flowed afterword. The thanking the Academy, family members, and more filled the air, until it was revealed that *Moonlight* had actually won.

"I want to tell you what happened," Warren Beatty states. "I opened the envelope, and it said 'Emma Stone, *La La Land*... I wasn't trying to be funny.'" This mistake had only made the moment even more special for the cast and crew of *Moonlight*, however. This humble crew was incredibly thankful for the honor of winning this award, and even acknowledged the former party that had inhabited the stage.

And while the majority of those present for this moment were no doubt feeling very awkward and unhinged, Jimmy Kimmel attempted to lighten the mood. He stated, "This is very unfortunate what happened. Personally, I blame

Steve Harvey." This statement turned silence into laughter.



(Pictured above are Kimmel with presenter Warren Beatty along with the cast and crew of "*La La Land*")

## Life Hacks... High Altitude Insomnia

By Madison Dolchan

Anyone who has ever traveled on a plane knows the struggle of finding the "Just Right" position to fall asleep in. Imagine being 40,000 feet in the air, trapped in a middle seat between two strangers, not exactly the optimal moment to cuddle. I did some research and found three tactics that have been proposed to help one sleep comfortably on any airborne journey. Recently the T.V. show Hack My Life conducted a similar investigation and wheeled some interesting results.

The first tactic is simple, all you need to do is lean your chair all of the way back, as seen in image A. Once your seat is completely reclined you can just rest your head on the seat to catch some well needed Z's. Yet this tactic is flawed. After testing it for himself, Kevin Pereira Host of Hack My Life, concludes that it has just, "Too many wildcards". Though your head has some support whilst leaning against the chair, it does put you dangerously close to the comfort zone of your  
(continued on page 5)

## Entertainment

### You Might Be the One?

By Olivia Bennett

If your perfect match was standing right in front of you, would you even know it? *Are You the One* is a matchmaking TV show. Eleven women and eleven men, around the age of twenty-two, travel to the Dominican Republic where they have been selected and will be put through tests where match makers pair them up using their results. The show's matchmakers are a marriage/family therapist and a psychologist who uses holistic therapy to match couples. The matchmakers believe they have found "perfect matches" within the couples. The men and women come from all over the United States, and stay in one house for the purpose to find their "perfect match" in ten weeks. If all eleven couples can pair up and find their "perfect match" in ten weeks or less, they split one million dollars. The only way to find out definitely if players are a perfect match with someone is to go into the truth booth with them. To get into the truth booth, there are challenges throughout the week and if a player wins the challenge he or she gets to go on a date with whoever they choose. Usually two or three couples get to go on dates. While the couples are away on their dates, the rest of the house votes to see who they will send into the truth booth, to see if that couple is a perfect match. "The truth booth scene is always stressful. Sometimes

the couple sent in thinks that they are a perfect match, but the results say they aren't, or the other way around" says Emily Frazee, a sophomore at NHS. At the end of the week they have match up ceremonies, and couples pair up based on who they think their perfect match is and beams of light indicate how many perfect matches there are, but not who the matches are, and that is for the cast to figure out.

Week eight has just passed, and there has only been two perfect match couples paired up and sent into the truth booth. This means thought that the other six weeks there has been six 'no match' couples sent in by the house, thinking they were perfect for each other, but came out heart broken. Some of the couples were so certain that they were a perfect match, and when they found out they weren't, it is really hard to move on. Cassidy Murphy, a junior at NHS says, "When Taylor and Andre, (two cast members), were sent into the truth booth and they found out they weren't a perfect match, it was devastating. They actually thought they were in love". If people are lacking opening up to others because of a heart break, it could cost the rest of the house their share of the one million dollars. *Are You the One* is on MTV, Wednesday nights at 9pm. The finale is in two weeks and viewers are dying to if all eleven couples can pair up for love and the money.



## Travel On: Explore the Reef

By Alanna Kinney

Want to visit the number one vacation spot in the entire nation? If you answered yes then The Great Barrier Reef should be your next trip. Known as one of the Seven Natural Wonders of the World, it holds homes for over 3,000 types of coral reefs, 600 islands, and 1,625 species of tropical fish. It is located on the east coast of Queensland, Australia and extends for a grand total of 1,250 miles! What's even better to this beautiful oceanic treasure is that you can discover and explore it with scuba diving and snorkeling! There are several main reefs that you can swim in and enjoy. The first one being Cairns Reef. Its habitat contains a mass assortment of tropical fish and humpback whales. The clarity of the water is outstanding and it is ideal for families and younger children because it is the smallest, only taking one to three hours to travel to and complete. Ribbon Reefs are the ten narrowest reefs. It is home to the most famous dive site, Cod Hole. It is a rough journey to get there, but the beauty is worth the travel. Cod Hole is best known for the massive Potato Cod and Maori Wrasse fish. After 30 years of being hand-fed by guides, the resident Potato Cod aren't afraid to approach divers in hopes of scoring some chow. More elusive are the Dwarf Minke Whales, which can be spotted in June and July. Overall, if your heart is set on the ocean and you want to experience marine life in the wild, the Great Barrier Reef is a great choice for you. So dive

into the water and set for new adventures.

## Products Made

### Perfect:

### Thrasher Sweatshirt Review

By Megan Smith

Thrasher is a skateboarding magazine that was very big back in the 80's. It sells, not only magazines, but clothes as well. The trend has somehow come back towards the end of 2016 and went straight into 2017. Personally, I like the look of the Thrasher sweatshirts because they are retro and I just love the look of the 80's. That being said, I decided to jump on this trend and order myself a Thrasher sweatshirt. I ordered mine from [www.nativeskatestore.co.uk](http://www.nativeskatestore.co.uk), which is an amazing place to shop if you are into skateboarding or skateboarding clothes. The store is in the UK but they do still ship to the USA. The sweatshirt came in an adorable box, which had inside, the sweatshirt, a free Thrasher magazine, and 3 stickers. There were two stickers with the logo from the website I bought from and one Thrasher sticker. I bought my sweatshirt in the color black but you can get them in almost any color you desire. The price for the sweatshirt alone was \$71.55 and there was a shipping fee since they were shipping to the USA. The sweatshirt is expensive but it was definitely worth it. The material is really comfortable and fits very well. The deal is even better because of the magazine and stickers that came along with it. Online shopper posts in reviews, "The sweatshirt came very fast and the quality (continued on page 4)

## In History: An Unfortunate Turn of Events A Story of the French Revolution By Nathan Ashley

Marie Antoinette was born in Vienna, Austria in 1755. She was pledged to be married and finally married the future King of France, Louis XVI at age 15. She soon became a member of the highest level of French society and was not considered a good queen. She was the victim of harsh gossip and false news from the country folk. Many envied the couple, as they were among the wealthiest people in the world at the time, but because France was still in the period of monarchy, the king and queen did not feel the need to share their riches with the lower class. France soon became a tumultuous land of turmoil and strife, laden with rebellious warfare among all social classes. The upperclass wished to remain in the monarchy, while the lower classes demanded social reform, equality, and a new, democratic government.

It did not take long after the beginning of the French Revolution in 1789 for the monarchy to be overthrown and the royal family to be forced to live in custody of rebel forces. The king was executed in 1793 for "Crimes against France," and Marie Antoinette was convicted in March and beheaded in October of 1793 on the charges of exaggerated crimes she did

not commit. This brought the end of the monarchy, a successful revolution, and a brand new Republic of France. Marie's parents were the esteemed Holy Roman Emperor Francis I and the Habsburg Empress Maria Theresa. When she married Louis, the two were 15 and 16 years old and had never met. In 1770, a lavish wedding service was held at the royal chapel in Versailles, France, with an estimated 5,000 guests.

Many have heard of the famous speech, supposedly given by M. Antoinette that said, "If the peasants have no bread, let them eat cake!" In truth though, there is no evidence Antoinette actually said this, since the speech came from Jean-Jacques Rousseau's confessions in 1766, when Antoinette was only 11 years old and was not yet a queen. After their capture in 1789, the royal couple returned to the throne until 1793, when they were tried for crimes neither had committed. The revolution (which actually spawned from the idea of the American Revolution a decade earlier) started when peasants started protesting the high cost of bread, butter, and cheese, which were common necessities of the common folk. Inflation and a ruined economy struck hard and fast and the commoners blamed the royal family. Instead of hating the nobles, they went straight to the "head of the beast" and overthrew the monarchy rather quickly. Thus ended the short life of Marie Antoinette as she died at the age of 37.



## Got Advice: Prom?

*I have liked this guy for a long time, and I really want to ask him to prom. What should I do?*

-Anonymous

By Bailey Brewer

Asking someone to prom is always an amazing excuse to make the first move. School dances are the biggest social event for teenagers out there, so everyone always wants to have a date. And while those public promposals are always romantic and memorable, a promposal done in private also has its advantages. If you are not certain that this boy likes you, a public promposal could make the boy feel obligated to go with you. At the time you will be happy that the boy said yes, but come the dance and both you and this boy will feel very awkward. So the best advice I can give to you is use something personal, something that both you and this boy understand and enjoy, and ask him in private. If he really wants to go with you, he will say yes. And if he just doesn't feel that way about you, he won't be pushed into the act of doing something he doesn't want to do just because of peer pressure, and you might even have time to find a new date if you ask soon enough. I hope it works out for you, whatever may happen. Good luck!

Need some advice? Send an email to [nhsmorningshow@garrettcountryschools.org](mailto:nhsmorningshow@garrettcountryschools.org) and our newspaper staff will do our best to provide you with some answers. Remember to keep all questions school appropriate. Student contributors are allowed to remain anonymous, but you

must inform the newspaper staff in your email.



## Products Made

### Perfect:

(continued)

is just class!"

Many others left comments talking about how satisfied they are with this product and I have to agree with them. This sweatshirt is a very good product, and [www.nativeskatestore.co.uk](http://www.nativeskatestore.co.uk) is an amazing place to purchase this sweatshirt. Not all of their clothes are as expensive as this sweatshirt was. I would definitely recommend buying yourself a Thrasher sweatshirt.



## Breaking News

(continued)

meant he was in severe pain. "Midazolam may put you to sleep initially," the Death Penalty Information Center's Dunham told *CNN*, "but it doesn't render you insensate." "According to Solomon Graves, a spokesman for the Department of Correction, Arkansas' supply of potassium chloride -- the final drug to be administered -- expired last month." Graves also said that the state's supply of Midazolam is set to expire in April. Critics say the state is racing to execute the inmates before the drug expires. "This expiration date is directly linked to the state's urgency to execute eight men in ten days," the Arkansas Coalition to Abolish the Death Penalty said." (*CNN.com*)

## Eye on Art Undeniable Talent In Our Halls

By Bailey Brewer



Pictured above David "there is aliens" Brent Keuning

The artistic talent in our school is undeniable, though most are not aware of the artists or the art specifically. After sitting down with Jenna Ruggiero, it became clear that art is important to the lives of our students, no matter what form. Jenna states, "I try to do art based off of something that has been consuming me. Like music or things in my life that have been affecting me." As a naive reporter, I asked Jenna whether or not she wanted to pursue art as a career, and her response surprised me, "I'm definitely going to take art classes, and I would love to pursue art as a career, but I don't think that becoming a professional matters because you can integrate art into everything you do. I think that's where you find happiness, finding art in everything you do."

Jenna's work is not by any means cliché. The intense lines of her work, illustrate not a clean take on life, but perhaps the rough reality that is life. Her work is no doubt something to be admired, and Jenna gave her advice to young, aspiring artists, "Don't listen to anyone. Be yourself;

do whatever the heck you want to do. That's what art is."

If you are looking to follow Jenna in her artistic career, just find her in the hallways and I am certain she will have her sketchbook with her. Like the dedicated, talented, and ingenious artist she is, I can assure you that she will always have something new she is working on. If that's not enough, follow her instagram @ibecamethesea.

Hopefully, in the near future, Jenna will expand her work for the masses. She states, "I really want to make comic books, but I haven't had the time to sit down and start something yet." I think I speak for the masses that if Jenna were to start her career as a comic artist, we would all be waiting in line at the local comic book shops just to see her work. Keep it up Jenna!



Pictured above "where do we belong? anywhere but here"

Pictured below "Untitled Work in Progress"



## Life Hacks

(continued)

neighbor, and who is to say that your seat mate won't want to recline too, accidentally smooshing your face. Also, there is nothing to stop the head from lolling forward once you are asleep. As a result of this, I quickly dismissed the first method.

The second tactic, as found in figure B comes from Lauren, in the form of a tweet. For this approach a long scarf is needed. Once seated on the plane tie the scarf around the back of the seats' head rest. After it is secured you can lean into the other end of the scarf. The negative to this method is the neck will be rested at an awkward angle, with the possibility of back pain once your journey is over. However, it does provide a sort of sleep mask, blocking out light. "It's presuming a lot that you will even be able to put it around the chair..." claims Hack My Life host, Brooke van Poppelen.

(continued on page 6)

## Student Spotlight:

### Mighty Mathletes

By Madison Dolchan

Lurking deep in the halls of Northern High School, in the very last stretch of the math wing, there is a group preparing for competition. It is this time of year when students who excel in the subject of math are recruited to compete at Allegheny College of Maryland, against other schools, for the chance to win scholarships. This underappreciated and often unknown competition deserves its moment in the spotlight. "It's a math competition, so I suppose you could call us mathletes." Cassidy Murphy stated when asked what they should be called.



Figure A [above] uses the headrest of your seatmate in order to try to catch some Z's.

Figure B [below], Life Hack hosts Kevin Pereira and Brooke van Poppelen try out the different hack suggestions.



Figure C [below] depicts the final, approved, hack. Both the soft and ridged neck Braces



Though the new competitors do not know what to expect, their excitement is evident. "I really enjoy math, so I am a little excited", Murphy states in her interview. This will be her first year competing. Other mathletes join her with equal excitement. I also had the chance to sit down with former mathlete, Olivia Bennett, who was able to give further insight as to what the competitions actually consisted of. "The competition consists of like a 20 question test and you have a specific amount of time to answer the questions". The questions (continued on page 6)

## **Social Commentary:** **Understanding the Black Lives Matter Movement**

By Megan Smith

Many people think that racism isn't around anymore because segregation has ended and laws prohibit such behaviors. But racism is still a major problem in today's society. Personally, as a white female, I have never been singled out while walking through a city neighborhood. I have never been judged differently by my peers because of my skin color. I have never experienced the impacts of implicit bias in school or at my job outside of school. Some people think that people that belong to or support the Black Lives Matter movement are saying that black lives matter more than the other races lives, which is not true at all. Black Lives Matter is making a unique contribution to the political scene that goes beyond extrajudicial acts against black people by police and vigilantes. It goes beyond the nationalism that can be prevalent within black activism groups, which tend to highlight the roles of black males, to included every minority within that culture. Black Lives Matter affirms the lives of black, gay and trans people, disabled people, black-undocumented people, people with criminal records, women, and all black lives under the gender spectrum. It centers those who have been marginalized within black liberation movements. It is a tactic to rebuild the black liberation movement. When they say, "black lives matter," they are broadening



the conversation around state violence to include all of the ways in which black people are intentionally left powerless at the hands of the state. They are talking about the ways in which black lives are deprived of basic human rights and dignity. Black Lives Matter is working for a world where black lives are no longer systematically and intentionally targeted for demise. They affirm their contributions to this society, their humanity, and their resilience in the face of oppression. They have put their love and sweat equity into creating a political project - taking the hashtag off the social media and into the streets. The call for black lives to matter is a rallying cry for all black lives striving for liberation. I asked Amber Jamison what she thought about this movement and she stated, "I am proud of the progress this group has made. They have really blown up in the past 2 years because of all the police brutality. I'm happy they're taking a stand." I asked another source and they stated, "I might not agree with everything they stand for, but as a group, they should be proud of all the awareness that they have brought to their beliefs and their personal ideals." Whether you believe in what they stand for or not, they are out there taking a stand and making a difference to make the world a better place for themselves."

## **Student Spotlight:**

(continued)

are formatted to challenge the team's brains, pushing their mathematical skills to the limit. "Some of the questions were difficult", Olivia explains with a smile.

Ronnie Schartiger and Kayla Guthrie agree that due to the fact that they have no idea what to expect, they are feeling quite nervous. "Don't over think it, you can only get good things out of going, if you do bad it won't affect you" reminds Olivia. Good luck to all of the Northern Garrett High School Mathletes with your upcoming competition!

## **In Sports**

(continued)

season and hope to go to states." Cassidy Upold plays softball and said, "I look forward to bonding with the girls and hopefully have a winning season". Finally Reed Stolzenfels who runs track stated, "I look forward to having fun with the whole team and would really like to bring a state championship for the team at the end of the season". Good luck to fellow spring athletes! Here's to hoping for a successful season for all!



*Pictured above are Mathletes Kayla Guthrie, Ronnie Schartiger and Cassidy Murphy*

## **Life Hack**

(continued)

Last but not least, Kevin R. from tumbler said he once saw a man use a medical brace to help him sleep on a plane. He stated that, "It was weird, but he slept the entire way from San Fran to Shanghai". There are two types of neck braces; one is the heavy duty medical brace while the other is soft foam (Figure C). While the first does not permit any movement at all, and has been reported to be surprisingly comfortable. The second is used to support your neck and control pain after an injury, however it still allows movement, giving your head the chance, once again, to flop to the side. Out of all of the options, the rigid neck brace proved to be the best solution for trying to find a comfortable position while sleeping on a plane. It offers support without the fear of invading a seat mate's territory or having a stiff neck by letting it slump forward or to the side. Go ahead and give these hacks a try, and find which will work best for your long adventures.

**Your Northern Bark News  
Staff** *[pictured right]*

Megan Smith, Alanna Kinney,  
Olivia Bennett, Phil Checkes,  
Nathan Ashley, Bailey Brewer,  
Madison Dolchan  
Staff Editors: *(not pictured)* Ms.  
Virts & Ms. Roller



