

# THE CAMPANILE

MOUNT SAINT JOSEPH ACADEMY

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## Firebirds qualify for World Champs



Back (l to r) Mentors Tom Rossman, Paula Soley, Walt Palac, Hannah Farrel '12, and Jason Soley. Middle (l to r): Emma Neill '17, Tina Rice '17, Annie Fowler '18, Cianna Kiasulis '17, Kaitlin Prydzail '19, Alex Reyes '18, Courtney Gorsuch '18 and Sydney Stockmal '17. Front (l to r) Joanie Gannon, Hannah Entwistle and Eliza Ewing '16.

By The Campanile

After capping off their 2016 season with a quarterfinal bid at their final competition, the Mount Saint Joseph Academy robotics team was thrilled to find out that they had qualified for the FIRST World Championships in Saint Louis, Missouri. Although the Firebirds narrowly missed qualification for their regional championship, which was held April 14-17 at Lehigh University, the team was selected from a wait list to compete at the championship tournament at the end of April and will be traveling to Saint Louis along with 600 other teams for the chance to win the world title.

Immediately after team mentor Paula Soley received notification via email of the team's selection, she organized a homeroom meeting to surprise the Firebirds with the good news. Seniors Hannah Entwistle and Eliza Ewing struggled to control their elation as they pretended to address the girls about a "serious team issue" before making the big announcement. For these two seniors, the announcement was an especially memorable one. "We get one more chance to sparkle and shine," Entwistle said. "I was thinking of all those little things that I'll never get to do again and now we get to do more of those."

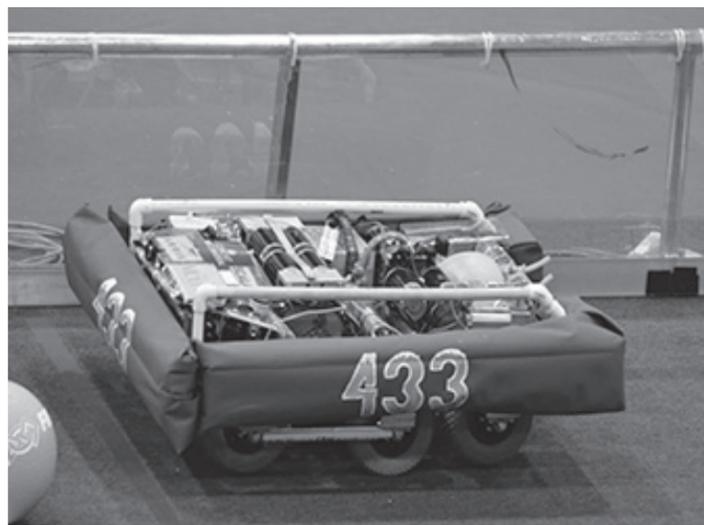
The younger Firebirds shared in the excitement. "It took a minute to process," sophomore Annie Fowler said, recalling the moment of stunned silence before the team began celebrating. Sophomore Courtney Gorsuch, who was in the first wave of celebration after the announcement, thought immediately about the long hours the team put into their robot and about the rarity of such a huge opportunity. "We've strived for this for such a long time and now we're finally there,"

she said, "and it may not happen again."

The team is particularly thrilled to have reached Saint Louis after a season in which they brought home both a Spirit Award, given for outstanding team participation and attitude, and a Creativity Award for a successful and non-conventional robot design.

The Firebirds began their season at Hatboro-Horsham High

school, where Hatboro's robotics team hosted students and mentors from dozens of other local programs for the annual game reveal, which takes place on the first Saturday of January. In this half-day event, FIRST, a global organization that governs more than 44,000 teams around the world, reveals the rules and objectives of a brand new game in an international live webcast. Otherwise known as "Kickoff," this day also inaugurates the six weeks a team has to design, prototype, build and test their competition robot for the season.



The 2016 competition robot Lumos races to cross a defense during a match.

worked on the complex code that controlled the robot's many moving parts. This year's robot, which had to score foam balls into a goal at floor height, traverse medieval-themed obstacles like a moat and a drawbridge and lift itself off the ground by hanging from a bar, boasted two unique design features that earned it a Creativity Award at the Montgomery competition. The first was a mechanism to conquer the game's most valuable challenge. Called "scaling the tower," this "end game," played only within the last 20 seconds of a match, involved the

robot's reaching a bar located five feet above the playing field and somehow lifting itself at least three feet off the ground. The second mechanism, nicknamed "Sir Slaps-A-Lot" in the medieval spirit of the 2016 game, was a spinning ball intake designed to quickly pick up loose balls on the playing field and spit them into the goal.

With their competition robot, Lumos, fully constructed, the Firebirds expanded their strategic advantage by building a second identical robot, Knox, as well as plywood versions of the obstacles that their robot would face on the field. Used exclusively for practice, these elements allowed the team to prepare their drivers for upcoming competitions. FIRST mandates that a team's official competition robot may not be worked on or driven between events.

The Firebirds jumped into competition season with a local event at Springside-Chestnut Hill Academy, where the team advanced to the semifinal round of competition. The next weekend, the team packed up for the hour drive to the Westtown School in West Chester, where they again finished in good standing and received the Spirit Award. After taking Easter weekend off, the Firebirds headed up I-95 to their final event at Montgomery High School, where they advanced to the quarterfinal round of competition and received the Creativity Award for their sound design.

The Firebirds have closed out a successful season and look forward to competing at the World Championship in Saint Louis. The team will focus on its off-season events, which include outreaches, building days and off-season competitions. The team's own annual off-season event, girlPOWER, will be hosted at the Mount on Oct. 8, 2016.

## Director of Finance Mrs. M. Doyle retires



By Hanna Iatesta '16 & Brigid Murphy '16

After 17 years of service as Director of Finance, Mrs. Maggie Doyle announced her decision to retire.

However, she has no intention of retiring as co-director, with husband Fran, from the Mount musical, where she has served for the past 11 years.

As Director of Finance, Mrs. Doyle oversees all financial decisions: budgeting, administrating payroll and managing financial aid and the school store.

When talking about Mount, Mrs. Doyle spoke highly of her co-workers and the students, saying, "It's a wonderful environment, and everything is a learning experience."

Working since the age of 12, Mrs. Doyle said she believes re-

tirement will be a "big adjustment." However, she said she is excited to spend her newly freed time taking vacations, doing volunteer work, sleeping in and continuing her involvement in the play.

Mrs. Doyle has been in theater all of her life. In fact, the theater was where she met her husband. Mrs. Doyle's background in theater and passion for the drama inspired her to get involved in directing the Mount's productions 11 years ago. Although she may be retiring from her position in finance, she will return

to her work in the annual musical. "They can't get rid of me that easily," she says.



Mrs. Ann Zindell, administrative assistant in the Finance Department, bids farewell to close friend, Mrs. Doyle.

When asked about her favorite Mount memory, Mrs. Doyle spoke passionately about the opening night of the play. "Getting to see the kids reactions when they actually have an audience is an amazing experience every year."

Mrs. Doyle's close associate, Mrs. Ann Zindell, Administrative Assistant, spoke of her friend, saying, "From the time I came 15 years ago she has always been willing to help me. There will be an absence in the office and the Mount community when she leaves."

President S. Kathleen Brabson spoke of Mrs. Doyle's work in advancing the mission of the Mount and her diligent work with both the faculty and students.

"Mrs. Doyle has worked entirely to advance the mission of the Mount and to do whatever she can to work with our faculty, our staff and our students to ensure a quality Mount education... With 29% of our students on financial aid, she has been able to manage that and to give me the confidence that we can be able to help deserving young women come to this school."

Just as Mrs. Doyle will be missed by the Mount community, she will miss us. She simply said of the Mount: "I'm going to miss it."

The Mount wishes Mrs. Doyle continued blessings in the next chapter of her life.

## Students enriched by trip to Le Puy-en-Velay

By Sarah Felbin '17

"The experience was so rich, it's hard to put it into words," said French teacher Madame Deshagette of the Mounties' recent trip to Le Puy en Velay, France, over Easter break.

The trip, as part of the Mount's French Exchange Program, brought seven Mount students together with students from L'Ensemble Scolaire Saint Jacques de Compostelle in Le Puy. However, unlike many of the Mount's international trips, students on the excursion were able to immerse themselves in both the French language and culture by staying and traveling around Le Puy with their French hosts.

Included as part of the girls' trip were tours of the kitchen where the very first Sisters of Saint Joseph came to be, visits to beautiful cathedrals and castles and various Easter celebrations.

Sophomore Mary Mancini said her holiday experience was not too different from a typical American Easter: "We went to church in the Cathedral of Le Puy, and after, my host family set up a French Easter egg hunt, where we looked for eggs and put them into our baskets, just like in the United States."

The group also went sightseeing from city to city. Madame Deshagette was especially moved by the visit to the city of Lyon.

Madame said, "The oldest French city has so many historic

treasures, it's hard to name all of them!" While in Lyon, the group saw two ancient Roman amphitheaters, the Notre Dame de Fourvière and even traboules, underground passages built during World War II as a safe method of travel for those in danger.

Mancini said her favorite sites included the Château de Lafayette, the castle owned by the Marquis de Lafayette during the French Revolution, and a res-

older than our country, I can truly say I was always learning something new."

Besides visiting sites that corresponded with class material, the girls enjoyed a day spent "shadowing" their French hosts in much the same way as the Mount hosts seventh and eighth graders throughout the fall and spring semesters.

A favorite moment for all on the trip was a tour of the Kitchen

to Compostella. You see pilgrims all over the city, preparing for the journey of their life."

Mancini explained that visiting Le Puy helped her connect with the Mount's mission: "It was a great experience to see where the Sisters of Saint Joseph began and how far their mission has spread."

Besides a new appreciation for art and culture, the girls also developed strong friendships with their French hosts and their fami-

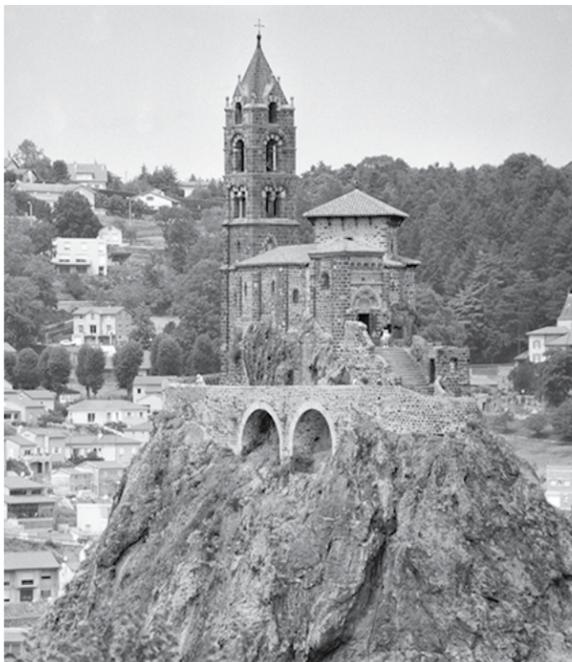
favorite part of the adventure: "It is one thing to travel to Europe and be a tourist and see all of the well known sights, but it was a once in a lifetime opportunity to be a part of daily French life."

Dewitt said of the trip, "The people and the experiences I lived with and through were even more beautiful than the rolling landscape and scenery."

Sister Kathleen explained that she hopes the Mounties' new relationships and knowledge from the trip will help them form a deeper understanding of culture: "Travel and meeting people of different cultures and beliefs can serve to create a better world of accepting differences and building a world community of tolerance and acceptance of each other."

The Mount anticipates a continuation of the new French Exchange Program, including trips that run every other year. The immersion experience, while fun and enjoyable, builds lifelong skills and bonds that will help shape Mounties of future classes.

"Our students are experiencing a world that is much smaller and easily accessible to one another," said Sister Kathleen. "If this is God's work, then prayer, partnership and grace will carry the mission into the future."



The Chapel of Saint Michel d'Aiguille in Le Puy, France.



(l to r) Madame, Julia DeWitt '18, Caroline Savage '17, Katrina Reethof-Bower '17, Lauren Scheffey '16, Moira Carroll '18, Lola Rosario '16, Mary Mancini '18 and President S. Kathleen Brabson.

taurant frequented by Benjamin Franklin in Paris.

"Being able to make these real life connections by seeing these places in person makes it so much easier to learn," Mancini said

As students of the French language, the girls also had a chance to brush up on their grammar and speaking skills.

"The most valuable lesson this trip has taught me is definitely that traveling is the best way to learn," said Mancini. "Between picking up new French phrases just from hearing people talk to visiting actual French castles

where the first Sisters of Saint Joseph came together to share their daily experiences.

"While in the Kitchen, I closed my eyes and tried to feel [the sisters'] spirit and presence still giving life and meaning to all who visit," said President S. Kathleen Brabson. "I could be there with the students and have them see the place of our founding and the faith of the sisters who have brought us to today."

Adding to the experience of the day was the sight of pilgrims. Deshagette said, "Le Puy is the starting point for the pilgrimage

lies.

"The entire group went out for pizza," said junior Katrina Reethof-Bower. "It was just a lot of fun to get to know the French students."

"I really enjoyed getting to experience life in a French family," said sophomore Julia Dewitt. "Here, I only have one younger brother, but in France I had three younger siblings, one the same age as me and one older as well. It was nice to be part of a big family."

Mancini said that experiencing French culture firsthand was her

## Four seniors garner awards at Art Show

By Maddie Coulter '16 & Katherine Schaefer '17

*The Mount Art Department recently had much success at the 2016 annual Archdiocesan High School Art Competition.*

*The Archdiocesan High School Art Competition was hosted by La-salle University. Started in 1997, the competition has seen a top three finish from a Mount student every year.*



First Place Drawing (left):  
Kailey Karabin '16

Art scholar Kailey Karabin's first place drawing was a portrait of her dog. Karabin said that the piece is a part of her Breadth for AP Studio Art.

"For my Breadth, I have to show my range of talents through twelve pieces that reflect who I am. I drew my dog, Minnie, in colored pencils to show an aspect of line - an element of design."

Karabin plans on majoring in architectural engineering when she attends Penn State in the fall.

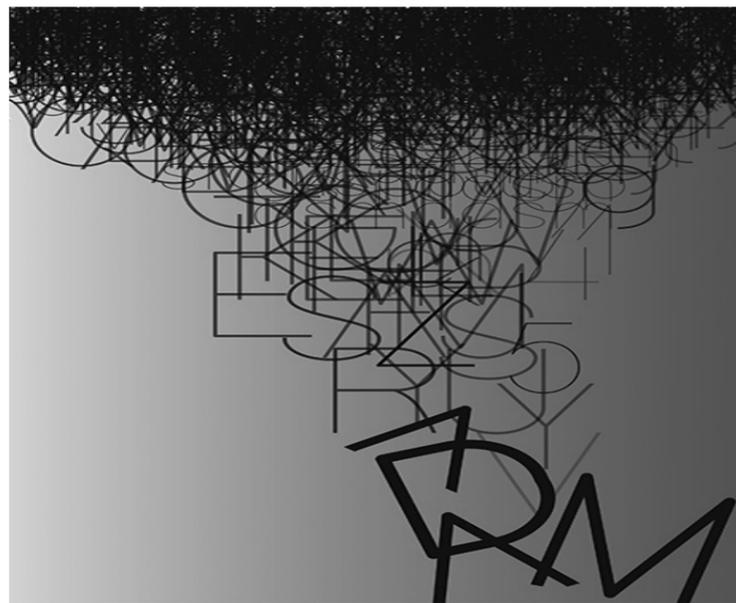
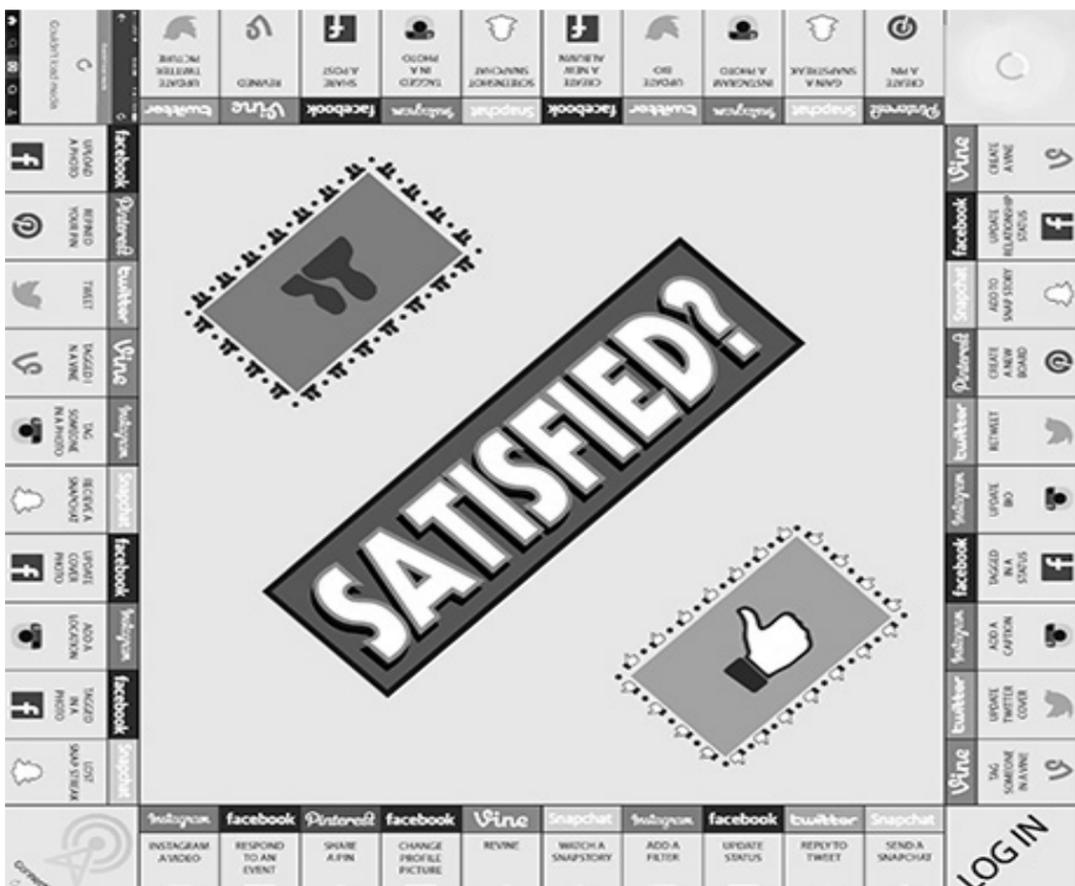
"I believe that there is more to being an artist than just drawing or painting pictures, I think art will help me as a student and engineer," Karabin said. "In my future career I will be able to grasp concepts visually, bring new artistic aspect to the table and use my creativity for new projects."

First Place Computer-Generated Art (below):  
Francesca Diliberto '16

Francesca Diliberto took first in her category. Inspired by this generation's desire to be satisfied through social media, Diliberto created an image of a digital board game for the competition.

"This computer generated board game utilized social media to reflect how we, as children, were satisfied with playing a tangible board game, but as teenagers we need to use technology to find that same satisfaction," Diliberto said, discussing her piece.

Hoping to continue her artistic studies, Diliberto intends to major in Product Design at Drexel University. After college, she aspires to be a creative director for a globally recognized company, where she will both innovate and inspire the design of the company's new products.



Second Place Computer-Generated Art (above):  
Heather Brady '16

Competing in the computer-generated art category, Heather Brady designed a poster selling the ADAM font for her second place finish.

She described her method for creating the piece by saying, "In Commercial Design, we were given a project where we had to make a poster that sold a Font of our choosing. I chose the font ADAM and decided to do something fun with colors and incorporate a unique way of displaying the letters and numbers."

Brady plans on attending West Chester University in the fall, where she will major in Business Marketing, but hopes to incorporate her artistic skills into her career in the future.

Second Place Ceramics (right):  
Zoe Ramos '16

Zoe Ramos' ceramics piece, modeled after Roy Lichtenstein's 1963 photo titled "Drowning Girl," placed second in the competition.

When asked why the photo inspired her, Ramos said, "I don't know if there's necessarily a general meaning behind my artwork. I think that for each piece I have different intentions. I am inspired a lot by popular culture and social media, though. I have a Pinterest board with over 400 pins of art work. I like taking ideas or techniques from a bunch of the pieces and incorporating them into a new original piece."

Ramos will begin studying Architecture at The George Washington University next fall. She hopes this major will tie together art, science and math, her three favorite areas of study.



## Student fundraisers 2016: the recap

By Corinne Filograna '18, Caroline Hladik '18, Claudia Langella '18, Mary Mancini '18, Cara Sheedy '18, Riley Stack '18 & Lily Tubman '18



Alyssa Mattia '17 and Mady Taylor '18 pose with a check made out to the Veterans Affairs Medical Center.



Back (l to r) Katie de Luca '16, Mady Taylor '18 and Rachel Murray '17. Front (l to r) Maeve McCormick '18 and Jocelyn La Fleur '17. (Missing) Jessica Burns '16.

### Veterans Affairs Medical Center: Mady Taylor

Sophomore Mady Taylor's charity, the Veterans Affairs Medical Center (VAMC), provides veterans with inexpensive or free health care from Veterans Affairs hospitals and assisted living centers.

Taylor said she was first motivated to aid the veterans while on a field trip at the University of Pennsylvania. She saw a student who had set up a table, encouraging people passing by to take some time to write a thank-you note for a veteran at the VAMC.

"Inspired by this simple yet effective gesture, I saw an opportunity to do something like that here at school," said Taylor.

Her own personal connection to the military through her cousin has made the mission of this organization even more powerful. At seven years old, she was informed by her uncle during a car ride that her oldest cousin, Tim, would become a "pilot in the U.S Navy, protecting us and the rest of the country from bad guys."

"With that explanation, I was thoroughly convinced that Tim was going to be a superhero, and I am still convinced to this day."

On Veteran's Day, Taylor held a card drive at the plant bar and produced almost 200 cards to give to the veterans who chose to risk their lives as her cousin did. In addition to the card drive, students participated in Taylor's dress down day on January 29, raising over \$1,000 for the VAMC.

### Brave Hearts for Strong Minds: Katie de Luca

Senior Katie de Luca was one of two Mounties whose proposal for Charity Day was selected. Her chosen organization, Brave Hearts for Strong Minds, provides funding for a college education to children who have lost a parent.

De Luca got involved with Brave Hearts for Strong Minds about a year and a half ago when her uncle tragically passed away. In a time of mourning, this organization provided her cousins with hope and comfort by offering funding for their futures.

For this reason, de Luca has dedicated herself to helping families in similar situations by running 5k's as well as participating in fundraisers at restaurants.

On Charity Day, de Luca accepted a check for \$1,500 for Brave Hearts for Strong Minds. She said, "When we all come together in unity and we support each other, you know that we are trying to help the people who are affected. It makes it so much easier to enact a change."

Mount students can continue to be involved with the organization by participating in its event at La Salle College High School on Saturday, June 18, which will offer a walk, music, ice cream trucks and face painting.

### Doctors Without Borders: Jocelyn La Fleur

Junior Jocelyn La Fleur's proposal, Doctors Without Borders, was chosen for a bake sale fundraiser this school year.

"After hearing about the aerial attacks by the U.S. last October on their base in Kunduz, Afghanistan, I decided that I wanted to help this organization," said La Fleur.

The organization, Doctors Without Borders, provides emergency medical care to people all over the globe. People in countries stricken by war and poverty receive healthcare from the doctors who work with the organization.

"The courage and drive to go into countries that may be highly dangerous due to ongoing civil wars or simply because of your gender is pretty amazing when you think about it," said La Fleur.

Through this experience, La Fleur said she gained a great respect for the work that Doctors Without Borders does, and she hopes to raise more for them in the future. She also gained a deeper appreciation for the Mount community.

"Some people were simply willing to give a donation and did not buy anything from the bake sale. This was a surprise for me and made me appreciate how caring and generous Mount can be. Doing the bake sale and researching Doctors without Borders was a great experience and one that I wish to repeat in the near future."

### Community Partnership School: Maeve McCormick

Sophomore Maeve McCormick's charity of choice was the Community Partnership School, where her mother is a member of the school's Board of Trustees.

The Community Partnership School is a school based in North Philadelphia that reaches out to less fortunate families in Philadelphia neighborhoods. The school provides children in Pre-K through fifth grade with an education and an environment in which to thrive.

McCormick's mom joined one of her friends on a trip to CPS one day, and from there she became heavily involved with the school.

"My mom even has a framed picture of herself and one of the children she helps in our house, and just from that, you can tell the extreme impact CPS has had on her life," said McCormick with a smile.

On May 19, McCormick will host a bake sale at the Plant Bar and all of the profits will go towards the education and services that CPS offers to the families. In addition to participating in the bake sale, students can also volunteer through the school's lunch buddy program, where students from Mount can share their lunch time with the kids at CPS.

"Donating money is especially helpful for CPS right now because CPS only rents a space in Project H.O.M.E.'s headquarters. They are close to raising enough money to purchase their own building nearby in North Philadelphia. At this point, every donation helps as they try to reach their goal," said McCormick.

### Sandy Rollman Ovarian Cancer Foundation: Jessica Burns

Senior Jessica Burns's proposal was also selected for Charity Day. The charity, the Sandy Rollman Ovarian Cancer Foundation, founded by Rollman's nurse and sister after she succumbed to ovarian cancer, works to educate and support women suffering from ovarian cancer.

Burn's mother passed away in August 2013 from ovarian cancer. Mrs. Burns became involved with the foundation after being diagnosed herself, working to promote awareness of the symptoms and signs of ovarian cancer to other women.

Burns continues her mother's work as an advocate for awareness, saying, "For me it's so important to let everyone know. A lot of people don't know that teal is the color for ovarian cancer and September is national ovarian cancer awareness month."

Burns promotes events for the cause through Facebook, such as bingo nights or the 5K she ran on April 23 in Philadelphia.

Charity Day was a special and memorable one for Burns and her family. The Mount community raised \$1,500 for the organization, and Burns said, "We have one of the biggest support systems here. Charity Day means everyone's here for you."

### Special Equestrians: Rachel Murray

Junior Rachel Murray raised \$140 for her chosen charity, Special Equestrians.

Located in Warrington, PA, Special Equestrians is a therapy riding center for children with disabilities. Over 60 disabilities, such as Down Syndrome, Cerebral Palsy and Autism Spectrum Disorder, are all represented at Special Equestrians. Children are able to ride the horses with the assistance of a volunteer.

"I got involved because I was looking for service opportunities in my area involving animals," said Murray, who not only assists the children on the horses as a side-aide, but also helps groom the horses.

The money raised will help to defray the unexpected medical costs and day-to-day cost of caring for the horses.

Murray said she hopes her bake sale will get other Mounties involved in the charity, which is always looking for more volunteers. The simple steps of filling out an online form and a small application are all it takes to become a volunteer.

"Special Equestrians is always in need of funds as unexpected medical costs often come up, plus they have the day-to-day monetary costs of caring for the horses and making sure the farm is able to accommodate every student and their needs," said Murray.

## Margo Murphy reflects on Operation Smile experience



Until last week, I never truly understood the worth of having a beautiful smile. On the surface, the need to repair facial deformities like cleft lips and palates can seem low-priority or even superficial. However, after ten days working in San Cristóbal de las Casas, Chiapas, Mexico, with the charity Operation Smile, I came to appreciate the enormous difference such a simple surgery can make.

It first hit me on the long bus ride from the Tuxtla Gutierrez airport to the center of San Cristóbal: I had entered a whole new world. Looking out that window at the makeshift shelters, indigenous families and children working in the street, I knew the week ahead would hold many challenges, but I never imagined I would return with so many rewards.

Early the next morning, we arrived at the hospital to begin the process of evaluating the potential patients to see who was in the direst need of the free surgeries we were offering. Two hundred eighty two children and young adults, along with their families, arrived from across the country and crowded nervously outside the hospital.

For those first two days, my mission partner and I made it our goal to ease, entertain and educate. We emerged from the hospital into the heat, sun and dust of the parking lot and stood in front of a now silent crowd. The children there, no different from those in the US, watched us curiously and our toys eagerly. Then, within minutes, the parking lot was alive with laughter and games. Children tackled us from all angles, fighting to hold our hands.

Without understanding who we were or why we had come, it was clear to them we had plenty of love to share, and they were eager to soak it all up; so, we embraced every dirty little boy or girl who jumped into our arms. By then, the parents and grandparents were at ease and even approached us to ask us about ourselves and our country.

Even as I stumbled with my Spanish, I had some of the most

enlightening conversations of my life. I learned that there were families who had been camped in the parking lot for two months to ensure access to the hospital, others who had traveled by foot through the mountains from far off towns, many who left their jobs and homes unattended and all making sacrifices to better the lives of their children. Unconditional love, I realized, is universal.

We visited orphanages and shelters for child workers and even went into the community to teach about simple health modules like hand washing, dental care and nutrition. Every place I went my mind was blown by how warm, welcoming, patient and appreciative the people were; I never heard a single complaint about their living conditions or their grueling work hours. My heart was so full after hearing their stories and connecting with these children that sharing it with them blessed me as much as it did them.

My heart broke when we had to turn people away from the hospital the next day, and I hated having to give out measly donations of toothbrushes and soap to parents who really wanted a new life for their children. However, as each of the 102 surgeries was performed, I realized that making a difference in even one life is a gift.

And so I gave every last donation I had, I held as many hands, kissed as many cheeks and wiped away as many tears as I possibly could. I cried my own tears when my little niños woke up the morning after their surgeries, saw themselves in a mirror for the first time and touched their faces in disbelief. I held them in my arms for as long as they

would stay. I made every moment of those ten days count, and yet I could've stayed for the rest of my life.

I know a part of me will always be in San Cristóbal, one piece of my heart with each of the children who reached out and touched mine.

*Margo Murphy*



## Candidates take stances on pressing issues

By Jenna Yesenosky '17

With the 2016 Democratic and Republican National Conventions looming, the American public has been asked to pick a favorite candidate for their respective party who will go head-to-head with a candidate from the opposing side for the coveted office of the presidency. For those who haven't had the time to stay up to date with the race, here is a short summary of the top four candidates, two Democrats and two Republicans, eligible for the presidency in 2016.

### Democrats:

**Hillary Clinton's** progressive campaign is focused largely on being "for" the common person, which essentially means focusing in on discrimination against women and minorities as well as advocating for middle-to-lower-class Americans. Clinton defines women's issues as "any issue that affects women's lives and futures," and she plans on advancing the rights of women by closing the wage gap, as well as addressing the issue of sexual and physical violence against women. Similar to Bernie Sanders, Clinton hopes to increase minimum wage and move toward a reformed immigration policy that promotes

full and equal citizenship for immigrants. Clinton offers a three-pronged approach to elimination of terrorism: "One, defeat ISIS in Syria, Iraq and across the Middle East; two, disrupt and dismantle the growing terrorist infrastructure that facilitates the flow of fighters, financing arms and propaganda around the world; three,

to \$15 an hour, Sanders said that "no one who works 40 hours a week should be living in poverty." Sanders also adamantly stands behind his proposal of free tuition for public colleges and universities. On the foreign policy front, Sanders hopes to work towards a "fair and humane immigration policy," and plans

immigration reform. His plan includes constructing a wall along America's southernmost border with funds from the Mexican government, prioritizing the rights of American workers and ensuring that immigrants can support themselves before entering the United States. Elsewhere in foreign affairs, Trump's plan

repercussions for illegal abortions, in a recent statement, Trump said, "There has to be some form of punishment."

**Ted Cruz** has remained adamant throughout his campaign about an emphasis on liberty and the Constitution. Cruz is an advocate for the protection of 2nd Amendment Rights, stating that "[the 2nd Amendment] is not simply about hunting or target practice. It's about protecting our lives, families and homes." On foreign affairs, Cruz plans to secure the Mexican-American border "once and for all," and reform immigration policies to protect working American citizens. As for ISIS, Cruz, unlike Trump, opposes intense military action. Cruz has said that he thinks the fight against ISIS should be "driven by the national security imperatives and the military

needs on the ground." From an economic standpoint, Cruz plans to create an economic boost with his Simple Flat Tax, which is projected to increase American wages by 12.2% in the first 10 years.

For more information on any of the 2016 candidates' positions on issues or plans of action, visit their campaign websites.



Democratic candidates Sanders and Clinton pal around on the CNN debate stage.

Republican candidates Cruz and Trump greet each other at the Tea Party Patriots Rally at the Capitol.

harden our defenses and those of our allies against external and homegrown threats."

**Bernie Sanders** focuses his campaign on income and wealth inequality in America, as well as the importance of equal rights for women, African Americans and the LGBT community. Proposing reforms like raising minimum wage from \$7.25 an hour

to take action against ISIS if the Middle Eastern countries decide to lead the efforts. Sanders is often considered too lenient in matters of gun control, although he does plan to establish more rigorous background checks and ban semi-automatic assault weapons.

### Republicans:

**Donald Trump** has kept the main focus of his campaign on

for combating ISIS requires intensive action, including seizing oil reserves to cut off ISIS's economic livelihood and administering air raids, as reported by The New York Times. Trump, ever the opportunist, voices conflicting stances on abortion rights, most recently aligning himself with the pro-life movement. Despite the movement's rejection of legal

## Trump campaign resembles WWII-era fascist regimes

By Eliza Ewing '16

In our modern world, Nazi Germany is a terrifying reminder of humanity's capacity to cause harm. Remarkable as it may seem to us, however, Adolf Hitler and his Third Reich weren't always viewed as the monsters they have become in today's lexicon. Even as Hitler sent millions of Jews to his infamous concentration camps and expanded his power into an all-powerful military dictatorship, he remained a wildly popular leader in Germany.

Fascist governments like Hitler's gained momentum in Europe because their blend of existing ideologies appealed to the middle- and working-class citizens who constituted a major portion of the population but had never had much of a voice in European politics and had now been totally devastated, personally and economically, by World War I. Fascist leaders played off of frustrations with the existing status quo by insisting that there was something inherently special about a nation's people and by redirecting their angst toward an identifiable (and often foreign) "out group" who, according to the government, were inherently inferior to the nation's people.

The great appeal of fascism was that it made ordinary people feel special, directed the people's

frustrations toward another target which could be blamed for all economic and cultural problems, and promised to institute a paradise under State control.

Sound familiar? If you have been following the 2016 presidential election, and phrases like "Make America Great Again" or "We'll build a wall" suddenly may seem a little more reminiscent of Europe's 1940's governments. Political commentators have compared the political careers of famous fascist leaders like Hitler or Italy's Benito Mussolini to the campaign of GOP frontrunner Donald Trump, whose controversial platform has created waves both in national media and within his own party. While most sources agree that Donald Trump isn't an ideological fascist, some of his tropes, like his promise to "Make America Great Again" and his plans to deport and block all immigrants, certainly harken back to the fascist rhetoric that took over Europe during World War II.

Examining the dangerous fascist governments of World War II-era Europe explains why precisely Trump's unsubstantive talk works so well. Like the disenfranchised working-class people who supported Hitler's Third Reich, "Trump's fans . . . want jobs, schools, and safe communities," writes journalist Gianna Riotta

in a piece in The Atlantic. Many Americans flock to Trump's empty promises because they sound, to the demographic that supports him like solutions. Trump's blithe self-confidence wins him the votes of people looking for the type of leader who will solve the nation's problems at one fell stroke.

In other words, Trump's campaign has succeeded because his message has found a powerful sweet-spot of working-class American voters who, dissatisfied for one reason or another with their situation in life and with the United States government, accept Trump's xenophobia because he is still talking about things that are important to his voters. Trump makes ordinary Americans feel special by channeling their frustrations into the "outgroup" of refugees and immigrants seeking asylum in America, and he promises that his government will restore America to its full nostalgic glory.

Donald Trump is not fascist, and neither is his platform; but his rhetoric and bluster are dangerous in that, if given time and resources, they have the ability to fundamentally change how our democracy functions and to subvert the very freedoms they promise to protect.

## THE CAMPANILE

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## Obama hosts his final nuclear summit

By Sarah Haurin '16

On Wednesday, March 30 and Thursday, March 31, President Obama hosted his fourth and final nuclear summit, a global conference convened with the intention to limit and control the proliferation of nuclear weapons.

This year's summit sought to tackle important nuclear threats posed by North Korea, ISIS and, in the absence of Prime Minister Vladimir Putin, Russia.

In an effort to address the concern with North Korea, President Obama met with leaders of both South Korea and Japan, as well as the less amicable President Xi Jinping of China.

Although the most significant foreign policy goal of the Obama administration involved mitigating the threat of nuclear war with less friendly nations, recent debate for the upcoming presidential election has presented the possibility of negating Obama's work with his nuclear summits.

Republican candidate Donald Trump has publicly suggested arming Japan and South Korea with nuclear weaponry, thus allowing these nations to protect themselves from North Ko-

rea's threat, rather than permitting them to rely on the United States's nuclear capabilities for protection.

Trump suggests that providing protection for these nations costs the American government too much; analysis of the national security budget shows that the cost of protecting South Korea and Japan proves minimal. Furthermore, the American economy would be much more gravely devastated by instability in Asian markets resulting from war than it currently is by promising these countries protection.

The White House as well as officials in Japan and South Korea have ardently opposed Trump's suggestions, as following them would mean abandoning a bipartisan commitment to nonprolifer-

ation of nuclear weapons that has prevailed since John F. Kennedy's administration.

This commitment to nuclear arms control is embodied by

four nations have violated this agreement by developing nuclear weapons: India, Israel, North Korea and Pakistan. Allowing only South Korea and Japan to develop

and possess nukes would certainly prove impossible, and countries like Taiwan and Saudi Arabia would likely go nuclear almost immediately.

Arming other nations with nukes would not only oppose decades of precedent but also would increase the likelihood of ISIS's gaining nuclear capabilities; acquiring anything less than a perfectly intact nuke could still allow the group to construct a "dirty bomb," capable of ruining an entire city. Harvard's Project on Managing the Atom has recently released a report suggesting that the United States and its allies take a broader

approach to consolidating nuclear material at fewer locations," so as to prevent ISIS from becoming any more powerful.

Critics claim that the United States' own continuous development and improvement of its nuclear stockpile proves counter-intuitive to its mission of ridding the world of nukes, but President Obama and his predecessors had made attempts to agree to decrease military stockpiles. In 2010, New START (Strategic Arms Reduction Treaty) between the U.S. and Russia agreed to limit the growth of nuclear stockpiles, but Obama's efforts to further reduce stockpiles have stagnated since Vladimir Putin began his rule of Russia.

The U.S. government also announced a decline in its possession of uranium, the nuclear isotope that provides the energy for nuclear bombs, in an attempt to be more open about its nuclear capabilities.

The summit also successfully passed an amendment to a 1987 treaty that provides specific requirements for protection of stockpiles and security of weapons during transport.



President Obama speaks at his final nuclear summit, seated next to Prime Minister Shinzo Abe of Japan (right) and President Park Geun-Hye of the Republic of Korea (left).

the 1970 Nuclear Nonproliferation Treaty, abided by most of the world. The treaty recognizes and permits only five nations to possess nuclear capabilities: China, France, Russia, the United Kingdom and the United States. Since the treaty's signing, only

## Philadelphia native volunteers at refugee camp in Greece

By Emma Veon '17

As the Syrian civil war continues to ravage the Middle East, western nations begrudgingly soak up the millions of fleeing refugees. Struggling under recent economic strain and population influx, these European and Asian countries are implementing laws severely limiting the entry of Middle Eastern escapees.

Countries like Germany and Greece, already saturated with refugees, are the premier forces in turning away desperate newcomers. The EU-Turkey Agreement, passed on March 20, 2016, allows for members of the European Union to deport desperate migrants back to Turkey. This pact leaves countless refugees in detention facilities, anxiously awaiting the trials that will inevitably send them back to the horrors of war.

Scholars offer conflicting criticisms of the new legislation; some laud the nations that are tightening their borders, but others, like Farah Karimi, executive director of the aid group Oxfam Novib, attack the apathetic laws.

"Shame on the E.U. for prioritizing detention and deportation over people's rights to safety and dignity," said Karimi in the New York Times.

Supporters of closing national borders cite recent terrorist attacks as evidence that refugees are dangerous and unpredictable. This viewpoint, compounded with the insistence that a struggling country does not have the

funds or the space to sustain the incoming refugees, has gained global popularity.

Despite this argument, funds supporting international aid camps accumulate and undaunted volunteers concentrate their efforts in desperate countries.

Philadelphia native Jared Hutchinson has volunteered internationally since his time at Holy Ghost Prep. An avid blogger, Hutchinson earned his undergraduate degree in International Politics at Penn State and his Master of Arts in International Development Studies at The George Washington University. Hutchinson recently embarked on an informal service trip to the all-male refugee camp Better Days for Moira on the island of Lesbos in Greece, with nine other volunteers previously unknown to him.

The camp, an unofficial site reserved for men, is a dirty tented community, subject to all unfavorable weather conditions. The tents battle wind, rain and cold while their occupants endure

freezing temperatures, water damage and rats. The climate is conducive to the spread of disease, as well. Despite the deplorable conditions, immigrants seeking haven from the ongoing war continue to flood camps.

Popular news and social media outlets cling to photographs of the destitute and dirty refugee superimposed on a war torn plain

One of the more scholarly refugees, an Iraqian with a PhD in Computer Science, was a resident translator for the camp. He fled with his family after ISIS planted a bomb outside his home in response to his communicating with American businesses.

"[The refugees of Better Days for Moira are] Brave explorers hardened by months-long jour-

neys hiding in trucks, sleeping in barren hills and praying in sinking rafts," Hutchinson writes. He continues to laud these men whom he describes as resilient in the face of intense global scrutiny and buoyed by their unwavering faith. Speaking a motley of Middle Eastern languages, they gather to pray to Allah for safety. News outlets emphasize the tragedy and omit the humanity of these refugees.

"It's easier to sit back when you don't connect with an issue," said Hutchinson who then shed light on the widely unknown issue of refugee smuggling.

As conditions worsen in countries ravaged by war, smugglers are met with desperate families willing to hand over outrageous

sums in exchange for an escape. Hutchinson explained that the hundreds of millions of euro raised for management of the crisis cannot begin to rival the approximately 20 billion euro earned globally from refugee smuggling.

"It's way above what people can comprehend," he said.

Also incomprehensible are the requirements for legal refugee status. Certain ethnicities take precedence over others, and some are not considered at all. The Syrian and the Iraqi are prioritized while the Pakistani in the camp's neighboring tent is ignored or even rejected.

On his blog, Hutchinson writes, "Pakistanis... are dubbed 'economic migrants,' castaway from official camps with nowhere to go and no idea of how to move forward on their journey."

Those lucky enough to be considered for refugee status are often stuck in camps for months or years at a time before any action is taken. At Better Days for Moira, one of the few members of a global organization assessed that the camp would not be processed for another 12-24 months.

"One of the biggest problems facing refugees is that people don't want them," Hutchinson said. In a world fraught with violence and corruption, is it so baffling that personal safety ranks higher than compassion for the traumatized refugee?



Male refugees from Better Days for Moira gather to pray.

or over-crowded camp, but these dramatic images do not reflect the actual lives of the war escapees.

Hutchinson describes the residents of Better Days for Moira as "highly educated." The refugees, typically nested in the middle of the socioeconomic spectrum, are often the recipients of impressive schooling.

# New Harry Potter play hits the stage

By Maeve McCormick '18

Harry Potter fans all over the world were elated in October 2015 when J.K. Rowling announced that this upcoming summer a play titled "Harry Potter and the Cursed Child" would be premiering in London's West End at the Palace Theatre on July 30. The play is based on an original story written by J.K. Rowling, John Tiffany and Jack Thorne. Thorne also composed the screenplay for the series.

Scriptwriter Jack Thorne is a renowned playwright who has won two British Academy of Film and Television Awards (BAFTAs). Director John Tiffany is a prominent figure in his field, with many awards in the West End and on Broadway.

The play takes place 19 years after Harry's defeat of Lord Voldemort with his life as an over-burdened Ministry of Magic

employee, husband and father of three children. It focuses on Harry's youngest son Albus and the pressure he feels to carry on his father's legacy. According to the play's official website, "As past and present fuse ominously, both father and son learn the uncomfortable truth: Sometimes, darkness comes from unexpected places."

The actors playing the Golden Trio of the series—Harry, Ron and Hermione—are Jamie Parker, Paul Thornley and Noma Dumezweni. Jamie Parker has performed in numerous plays, TV shows and movies, including his current role as Sky Masterson in "Guys and Dolls" at the Savoy Theatre in London.

Noma Dumezweni has also been in a number of plays, most recently as Linda in "Linda" at the

views. Paul Thornley has been in various plays, TV shows and movies, including the movie version of "Les Miserable."

Controversy swarmed around Dumezweni, an African actress, being cast as Hermione who was played in the movies by Emma Watson. Both Watson and Rowling used Twitter to show their support for Dumezweni's role as Hermione. Watson tweeted, "Can't wait to see Noma Dumezweni as Hermione on stage this year." Similarly, Rowling posted, "Can-

on: brown eyes, frizzy hair and very clever. White skin was never specified. Rowling loves black Hermione."

The play interestingly is in two parts, much like the last Harry Potter movie. Director John Tiffany said, "It shares a scale and ambition with all the *Harry Potter* stories, so in order to do this justice we have decided to present the play in two parts."

Luckily, buying one ticket automatically obtains the same seat for both performances. Within eight hours, 175,000 tickets were sold, and the booking was extended until May of 2017.

For those unable to attend the play in London, do not worry! A script book for both parts of *Harry Potter and the Cursed Child* is being released on July 31, Rowling's and Harry Potter's birthdays. The book is now available for pre-order on Amazon, iBooks and Barnes and Noble.

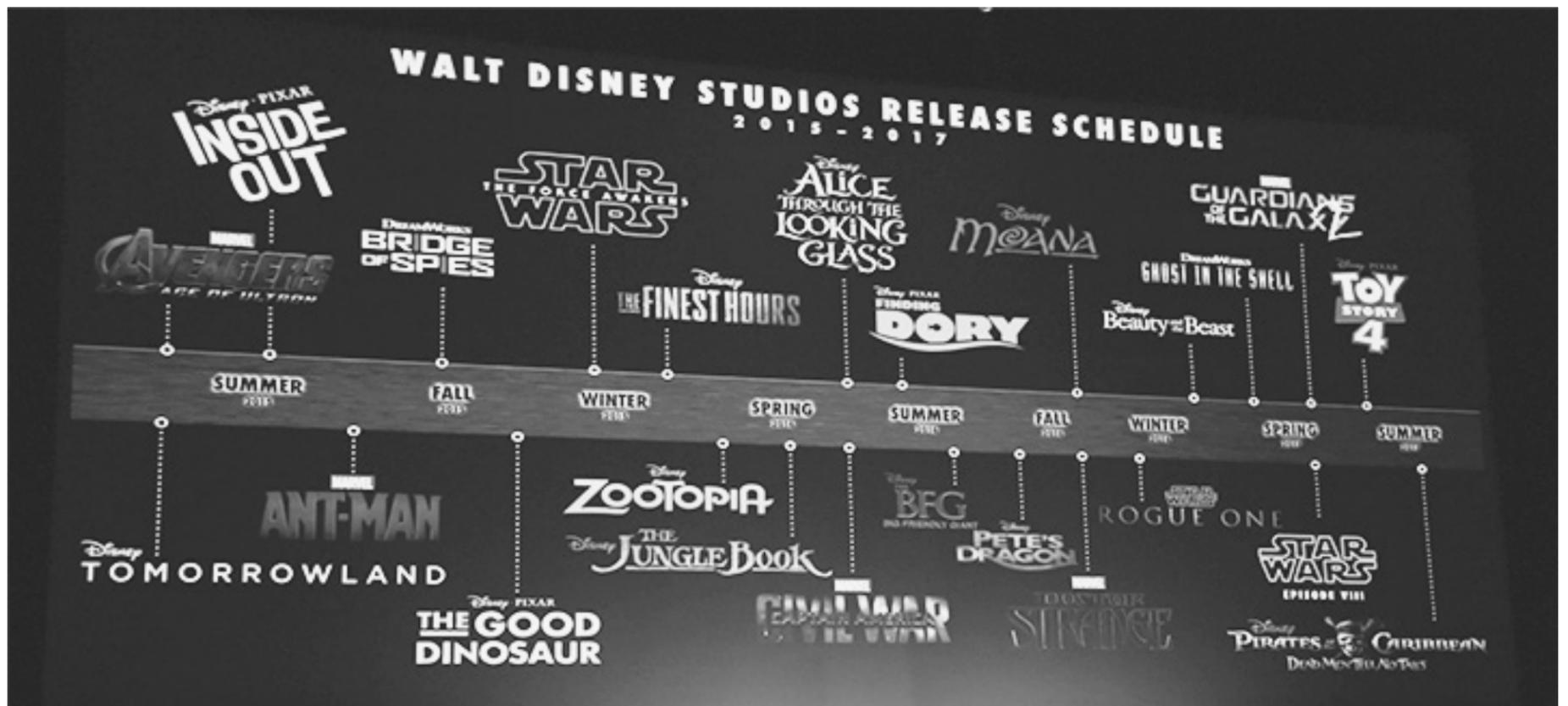


Paul Thornley, Noma Dumezweni and Jamie Parker will play the famous trio in the upcoming play.

Royal Court Theatre for which she was given phenomenal re-

Hermione on stage this year." Similarly, Rowling posted, "Can-

# Disney swamps the 2016 box office



By Caitlyn Bell '17

In August 2015, Disney Chairman Alan Horn announced that the larger-than-life-and-still-getting-bigger film production company would release 18 major features by summer 2017. Of the 18 Disney movies, "The Good Dinosaur," "Star Wars: The Force Awakens," "The Finest Hours," "The Jungle Book" and "Zootopia" have already been released. Here is a fan's guide for the remainder of 2016!

**May 6, 2016 - "Captain America: Civil War"**

In the next installation to the Marvel epic "Captain America," a rift occurs between Captain America and Iron Man, causing a civil war. Featuring Paul Rudd, Chris Evans and Scarlett Johansson, the release is expected to be a highlight of the adventure genre

for 2016.

**May 27, 2016 - "Alice Through the Looking Glass"**

The premiere of the highly anticipated sequel to 2013's "Alice in Wonderland" is quickly approaching. Based on Lewis Carroll's classic children's story, the film tells of Alice's return to Wonderland and her travels through time with the Mad Hatter. Not only fan anxiously awaiting this sequel because of the huge success of the first movie but also because it is the late Alan Rickman's last credited role as the voice of Absolem, the blue caterpillar.

**June 17, 2016 - "Finding Dory"**

With the same core message of family as the original "Finding Nemo," "Finding Dory" is perhaps the most highly anticipated film on this list. With the return

of the beloved duo, Marlin and Dory, and a storyline seemingly as brilliant as the first go-around, this film will be a highlight of the summer. Disney-Pixar has joined together, thirteen years after the release of "Finding Nemo," and sent Dory out on an adventure to find her family.

**July 1, 2016 - "The BFG"**

Based on the story by beloved children's writer Roald Dahl (author of "Charlie and the Chocolate Factory" and "Fantastic Mr. Fox") "The BFG" (Big Friendly Giant) is about an imaginative, young girl who befriends a giant outcasted by his peers due to his refusal to eat children.

**August 12, 2016 - "Pete's Dragon"**

This summer the revival of a 1977 classic "Pete's Dragon" is hitting theaters. "Pete's Dragon" follows the journey of a young

runaway orphan who lives in a forest for six years alone...with the exception of his dragon chum. Originally an animation, Elliot the Dragon is now much more realistic, but still has his magic ability to become invisible.

**November 4, 2016 - "Doctor Strange"**

"Doctor Strange" is an adaptation of the famous Marvel comic that follows a doctor who, after his career falls apart, is given the opportunity by a sorceress to combat evil. The most exciting feature of this film is the cast, which features Benedict Cumberbatch, Rachel McAdams and Tilda Swinton.

**November 23, 2016 - "Moana"**

Adding to the swiftly growing collection of animated Disney films with female protagonists will be "Moana," which follows a

young girl navigating the sea who comes across an island that is home to her hero, Maui. Some of the characters in this film, including Maui, are said to be based on characters from Hawaiian mythology.

**December 16, 2016 - "Rogue One: A Star Wars Story"**

As the first of three anthology films expected to be added to the "Star Wars" franchise, "Rogue One" is a stepping-stone for fans to fill the two-year gap between Episode VII, released in 2015, and VIII, which is set to release in December 2017. The spin off follows a young, rebellious girl who is recruited to join a rebel army in stealing the plans for the Death Star.



# Artists challenge movement toward online music

By Laura Arnold '16

Over the past fifteen years, the music industry has undergone incredible technological change, most noticeably through the way consumers access their music.

The introduction of iTunes in January of 2001 served as a gateway for the digitally focused music industry that thrives today, and, as the world entered a new era of obtaining and listening to music electronically, the notion that artists could thrive on album sales alone was instantaneously erased forever.

In the modern industry, streaming services and online music stores have caused album sales to drop dramatically due to the ability to purchase and download individual songs as opposed to an entire album.

As the financial and technological facets of the music industry continue to evolve and fluctuate, the legal constrictions and guidelines of the business have become unstable and vague, especially in connection with the use of streaming services to distribute and access music. The instability on the legal side of the industry has become especially controversial in light of recent entertainment news.

In November of 2014, Rolling Stone Magazine reported that Taylor Swift removed all her music from Spotify, the largest and most popular streaming service in the world. Adele made a

similar decision in 2016 and denied the service the rights to her most recent album. Upon hearing that the two musical giants' work would not be available for free streaming, many fans were outraged. The users of these steaming services were upset that they were being denied access to music of some of the most popular contemporary artists. Consumers even felt resentment toward those artists, such as Swift and Adele, who were making millions, arguing that they have more than enough money to support themselves, so why do they feel the need to make more?

Before getting angry, it would do one well to understand the negative background of streaming services that tends to be covered up strategically by the media.

For the top 10% of artists, such as Taylor Swift and Justin Bieber, making enough money to cover the cost of living is not a problem; however, for the rest of artists in the current industry—including relatively well-known acts, such as Twenty One Pilots and The Chainsmokers—making enough money to continue succeeding in such an expensive industry with

music sales alone is near impossible due to the decrease of album and song profits.

As if the reduction of music sales is not enough to hurt artists monetarily, some services have continuously failed to follow legal guidelines outlined by the U.S. Copyright Office, essentially “robbing” artists, producers and songwriters. The most infamous

the music industry is relatively simple and easy to detect. All streaming services must purchase multiple licenses, the most important of which is a compulsory mechanical license, in order to run a site legally. A compulsory mechanical license allows for the reproduction and distribution of copyrighted phonorecords, which are material or digital objects,

such as CD's and individual songs. This license grants the ability to access and obtain the works of artists without directly requesting permission from individuals to stream their works. However, the license-holder must first issue a notice

to the owners of the song's lyrics and instrumental backing at least two weeks before they intend to stream the work. A company must also continue to pay royalties to those individuals as long as their music continues to be available through the streaming service, something Spotify has failed to do.

Recently, Rolling Stone reported that Spotify was hit with a lawsuit for \$150 million headed by Camper Van Beethoven and Cracker frontman David Lowery. The lawsuit was backed by

numerous other artists, all accusing Spotify of illegally streaming music.

When the majority of artists receive only roughly 6.8% of revenue garnered by the number of plays a song accumulates through a streaming service, the cost of losing profits due to continuous illegal streaming becomes extremely detrimental to an artist's ability to continue maintaining a career in the music industry.

So, in response to the misinformed statement, “All they care about is money,” artists who pull music from streaming services are simply trying to set the precedent that those companies can no longer use an artist's work without proper compensation. By refusing Spotify the rights to their music, artists such as Taylor Swift and Adele are bringing attention to a previously ignored issue that was causing many talented but lesser known artists to fail due to lack of profit.

So, the next time you see an article stating that an artist has taken his or her music off of a streaming service, remember that while music is an incredible gift and deserves to be shared by everyone, the music industry is exactly what its title states: an industry. Artists deserve fair compensation for their work, and a precedent for this mismanagement must be set as the industry continues to evolve.



Adele and Taylor Swift are among the artists who have begun taking their music off online streaming services, like Spotify.

of these services is Spotify. The egregious negligence of abiding by legal obligations has cost the company millions of dollars in lawsuits while simultaneously losing artists' thousands of dollars in missing royalty payments, so much so that Spotify has even set aside approximately \$25 million to pay for future lawsuits. This act clearly shows that the company is knowledgeable of its lackadaisical enforcement of legal guidelines but is doing nothing to change its procedures.

Spotify's method of “robbing”

# Vinyl records are spinning back in style

By Olivia Bocklet '17

From records, 8 tracks and cassettes to CDs and digital downloads, music has certainly come a long way in the past generations. Although most consumers in this digitally oriented era listen to music from iTunes or streaming services such as Spotify, many music-lovers have reverted to the vintage record player. While vinyl records may seem old-fashioned, they include many benefits that cannot be achieved with a modern digital download.

The emergence of the CD in 1990 caused the once-loved record industry virtually to disappear. Just as industry observers planned to say a final farewell to the record, a surge in sales of vinyls during the past couple of years has ensured that they are here to stay. According to the Recording Industry Association of America, vinyl sales spiked 52% from the beginning of 2014 to the beginning of 2015, growing from \$145.8 million to \$221.8 million in sales. In fact, the last time the RIAA saw such high sale numbers of vinyl long-plays, or albums, was back in 1989. Ironically, more than half of current vinyl consumers in the United States

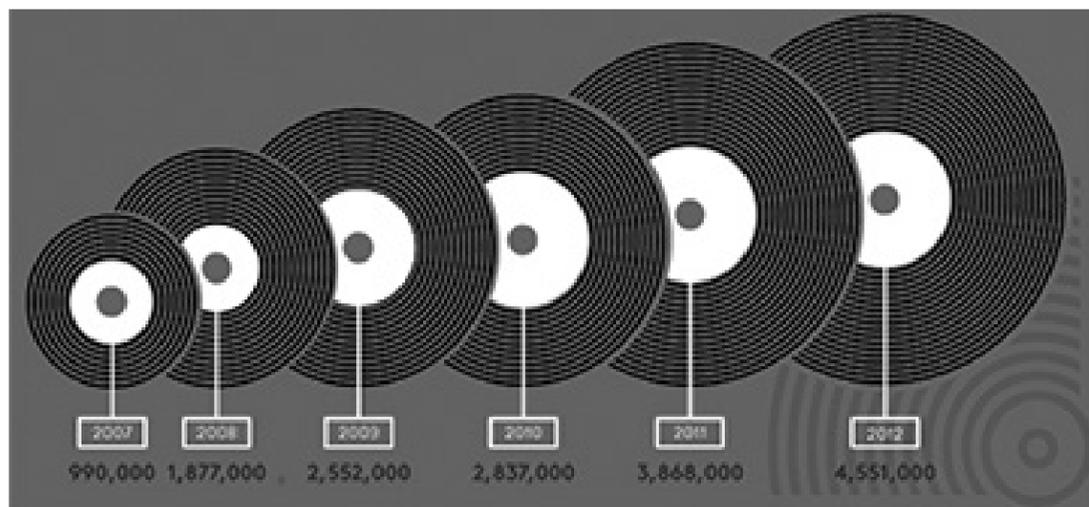
are under the age of 25.

There are many reasons why millennials have been searching through their parents' record collections. Physically owning a record allows people to show off their identities and express themselves through their music

Another huge factor playing into the resurgence of the record is the increasing accessibility of vinyls today. More and more modern releases are being sold in both digital and vinyl formats at popular retailers like Urban Outfitters. However, about 57%

to CNBC, “It's definitely a bright spot for the [music] business. In an increasingly digital age, vinyl records can provide a deeper, tactile connection to music that resonates with some of the biggest fans.”

For this reason, records' being



Vinyl sales have continued to rise dramatically over the past decade.

choices. In addition, vinyls make swapping albums with fellow audiophiles easier.

“I think a lot of younger kids are just discovering vinyls. They are yearning for something different, and it's sort of a badge of what they listen to,” Sean Rutkowski of Independent Record Pressing told CNBC.

of records are being bought at independent stores. In addition, a greater number of independent pressing plants, the factories where records are made, have popped up across the country in recent years.

Regarding the surge of records, RIAA Senior Vice President Josh Friedlander also revealed

less convenient and more expensive than digitally downloaded music has not deterred youth from purchasing them.

Record consumers tend to gravitate toward alternative and indie rock as their genre of choice. The top three best-selling vinyl records in the United States in 2014 were all alternative re-

cord: Jack White's “Lazaretto,” Arctic Monkeys' “AM” and Lana Del Rey's “Born to Die.” Indie rock group Vampire Weekend sold 10,000 records out of their total 135,000 first week sales for their 2013 album “Modern Vampires of the City,” an impressive number considering the record industry was not expected to have survived to this point.

In order to fulfill the desire for vinyl records, modern day artists have crafted their records in a way that makes them fresh, new and appealing, especially to younger consumers. Twenty One Pilots released “The LC LP” in the shape of Ohio: the band's home state. A holographic angel appears when Jack White's “Lazaretto” is spun; and Halsey's album “Badlands” comes in aqua and pale pink. Other modifications include etchings, liquid filled records and x-ray records.

One event celebrating the resurgence of vinyl records is Record Store Day, which occurs on the third Saturday of April. The day is a designated holiday to recognize vinyl albums and independent record stores across the world. Many artists honor this day by releasing special editions of their albums or even new music.

## Pinkly Perfect launches clothing line

By Amanda Mooney '17

Maddy Sasso '07, featured in the October 2015 edition of *The Campanile*, is the founder of fashion label Pinkly Perfect. Inspired by her summers spent in Avalon, New Jersey, Sasso's company incorporates the sense of summer in all of its products. For the past year, Sasso has been working on designing her pieces and organizing the company's blog and finances. This April, after much anticipation, the Pinkly Perfect line was released to the public on Sasso's website. Her products include summer inspired pieces such as sweatshirts, leggings, beach totes and key chains.

Though the school year is winding down, the workload is not. With AP exams, finals and graduation for our beloved seniors looming ahead, the coming months are sure to be busy. Maddy Sasso, budding fashion designer, is no exception to all this spring excitement. With the launch of her online clothing store this April, Sasso and the Pinkly Perfect office have been buzzing.

After launching the Pinkly Perfect blog and designing fashion pieces for the brand over the last twelve months, Sasso's next step was to create an online store, where buyers could easily purchase her latest designs.

The photographs of her products seen on the website are the result Sasso's photo shoot this

past winter with Church Street Studios, makeup artist Emily Dimant and professional models from Expressions Agency.

"It was such a fun day, even though it happened during a snowstorm! We blasted pop music and had the best time snapping pics with summer props like

sweatshirt, leggings and t-shirt. Those are the cool new pieces for now."

As every fashion designer has a favorite piece from her collection, so does Sasso.

"The sweatshirts are my favorite: they're so comfy! It's something you can wear when

create the sensation of summertime.

Pinkly Perfect also sells accessories, such as fun canvas wristlets and cute beach pouches. These products are perfect for protecting your phone on the sandy and wet beach.

On the inspiration for her

into each of her pieces.

Sasso excitedly revealed that her clothing line has two tank tops coming next month, and shortly after, a cover-up and a pair of shorts. Maddy hopes that these products will add more variety to the line and appeal to her buyers.

Pinkly Perfect will be featured this summer at Sea Isle City's Skimmer weekend and the Long Island summer retail vendor weekend.

"These festivals are really more to get my brand out there," said Sasso.

Along with these fashionable festivals, Sasso's line will be making an appearance at Fordham University's Fashion for Philanthropy show this spring. The Pinkly Perfect line will also be available at the Mimi Shop/Sun-catcher store in Stone Harbor, NJ, this summer.

"It's so funny how so many people can relate to the concept of 'beach town pride,'" said Maddy Sasso on the inspiration of her line. As many of us are shore girls, we can all attest to this statement. Pinkly Perfect's new line is any beach girl's dream.



Each and every one of Sasso's designs are a must have for the summer season.

beach balls, sand and sunglasses," Sasso said about the experience.

The photo shoot centered on her new line, which includes a variety of fashionable summer products. Sasso, commenting on her line, said, "We have a beach

it's chilly in the spring or when you're walking on the beach at night during the summer," said Sasso.

Maddy's ultimate goal is to provide teenage girls with comfortable, affordable clothing that

product designs, Sasso said, "I sit and think about beach pride sayings, and what I would want on a sweatshirt, or what my thoughts on summer really are."

Maddy incorporates these ideas and thoughts on summer

**Online Store:** <http://www.pinklyperfect.com/>

**Blog:** <http://blog.pinklyperfect.com/>

**Instagram:** @pinklyperfect\_inc

## Summer clothes for less - only a click away

By Tess Worthington '17

To some of us, the thought of shopping on a budget is a terrifying notion. Our eyes are immediately drawn to dresses with price tags greater than the cost of feeding a small country. With summer right around the corner and money from last year's summer job beginning to dwindle, rather than cry hopelessly (and possibly stain the pricey dress with the mascara running down your face), check out these three brilliant services that provide the trendiest looks for less: Rue La La, Hautelook and Rent the Runway.

Rue La La is a website that offers member-only discounts on designer brands. Joining Rue La La could not be easier, and best of all—membership is 100% free.

Members are notified of which "boutiques" are open via a daily email. A "boutique" opens at 11 a.m. and stays open for just 48 hours. These virtual boutiques house a variety of different luxury items—clothing, shoes, jewelry, beauty products and handbags—for discounted prices (up to 70% off!).

Rue La La carries brands like Louis Vuitton, Cole Haan, Ray Bans, Sperry and many others.

Hautelook is very similar to Rue La La, as both services pro-

vide member-only discounts on designer brands. But, Hautelook is unique in that it is closely affiliated with Nordstrom Rack, making returns and exchanges remarkably simple.

Utilizing services like Rue La La and Hautelook allows us, as high school students, to buy designer brand clothing and acces-

friend makes his or her first purchase.

While most of us have heard of

items to rent, typically for a limit of either four or eight days. Rent the Runway even provides customers with a free backup size of the items they order.

one small component of Rent the Runway; members can also rent jumpsuits, jackets, jewelry and even sunglasses. With graduation and wedding season approaching, Rent the Runway is a great option for bold, statement pieces that you most likely would only wear once anyway.

These three services—Rue La La, Hautelook and Rent the Runway—are perfect for those of us who were cursed with expensive taste but often suffer from severe post-shopping guilt.

For more reasonably priced summer clothing, check out these online stores:

**Lulu's** - With the motto "Coveted, Curated, Collected," Lulu's is a trendy and inexpensive site perfect for anything from a prom dress under \$100 to a pair of vegan suede booties for less than \$40.

**Tobi** - Get 50% off your first order at Tobi, where you can find both staple pieces and Coachella-worthy prints all in one place.

**Papaya** - Similar to Forever 21 but online-only, Papaya is a superstore where you can get more for your money. If you are looking to binge on tons of summer shirts for less than \$20 each, this is the site for you.



Rue La La's adorable floral romper will keep you cool; Hautelook's patterned shorts and trendy platforms are perfect for summer; Rent the Runway's maxi dress is comfy and chic.

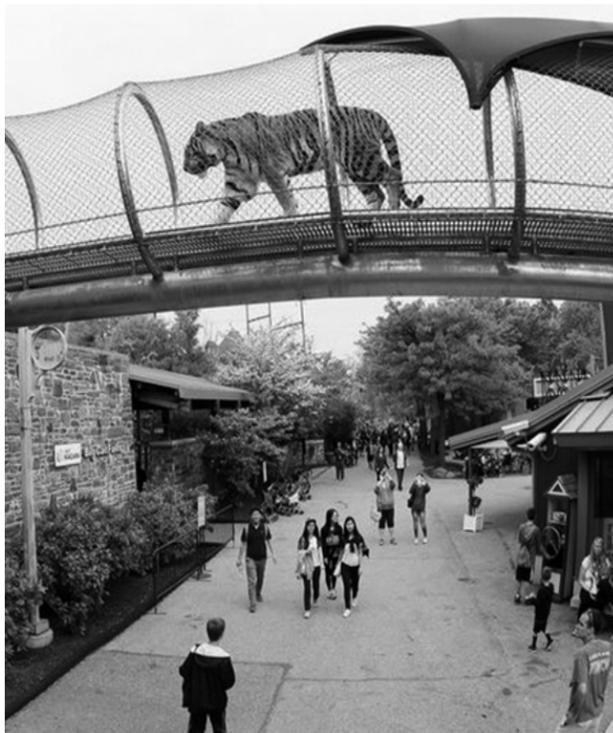
Another perk of Hautelook is its "Invite a Friend, Get \$20" deal. Each time a member refers a friend to Hautelook, he or she receives a \$20 credit after the

sories at very affordable and reasonable prices.

Entirely different from both Rue La La and Hautelook, Rent the Runway offers a plethora of

Rent the Runway and may have even rented a dress from this site for prom or formal, many people neglect to take full advantage of this service. Gowns are only

## Revisit your childhood memories this summer



By Amanda Mooney '17

Childhood memories have the ability to bring us back to a place of tranquility and adventure. Why not revisit some of the places which brought about such happiness as a child? Here are my top picks for places that can be adored by children and teenagers alike.

### *The Philadelphia Zoo*

The Philadelphia Zoo was—and still is—a very big deal. The memory of my third grade field trip to the zoo still puts a smile on my face. I never could understand why the zoo was labeled as something for children. Why would I deprive myself from spending time with zebras, rhinos and lions simply because it's labeled as juvenile?

New at the Philadelphia Zoo are additional animal exploration trails called Zoo360. These see-through mesh trails network through and above the zoo's grounds to allow visitors to experience the animals in a new way. Currently open are the Gorilla Treeway, Treetop Trail, Great Ape Trail and Big Cat Crossing.

### *Johnny Rockets*

Johnny Rockets, a 50s themed diner on Philadelphia's South Street, is the perfect restaurant for those kids at heart. Known for its killer shakes and fries, the diner's menu includes everyone's child-



hood favorites: chicken fingers, burgers, ice cream and french fries. Johnny Rocket servers are known for drawing happy faces with ketchup on burger patties and plates. While waiting for your meal, you certainly don't have to worry about being bored. Why? The staff frequently breaks out in synchronized dances to ensure that their guests are entertained. Plus, you will never be denied a placemat to color on if you only ask.

### *The Franklin Institute: The Science Behind Pixar*

From March 12 to September 5 the Franklin Institute will be presenting The Science Behind Pixar exhibition. Featuring childhood favorites like "Toy Story," "The Invisibles," "Monsters Inc.," "Wall-e" and Finding Nemo, this unique experience offers a look into the creation of Pixar's most beloved animated films. The exhibition showcases the science, technology, engineering, math and art that enabled the minds of Pixar to bring their ideas to life on the big screen. Not only is this exhibition fun and memory-provoking but it is also an enlightening opportunity to discover what goes on behind the scenes of our favorite movies.

### *BounceU*

BounceU was an iconic birthday party location. Even though you might feel a bit out of place going now, don't let that stop

you. BounceU doesn't have an age restriction for a reason. With the stress of exams and impending college applications, you deserve an afternoon letting loose jumping in a bounce house. Round up all your friends and take a mental health day at BounceU. What better way is there to relieve bottled-up stress than by boxing your bestie with giant inflatable gloves in the BounceU arena? How about wearing glow-in-the-dark accessories and participating in one of BounceU's Cosmic Open Bounces? Talk about a photo-op.

### *Hershey Park*

I admit, the first time I visited Hershey Park didn't go over too well, but I am glad I mustered up the courage to go back. I visited the amusement park for the first time when I was about three years old. My parents incorrectly assumed that the "family friendly" park would be a perfect fit. They were wrong. Two minutes after entering the park, I was greeted by a large chocolate bar. Horrified by what I saw, I quickly burst into inconsolable tears. My parents spent the rest of the day shielding me from the intimidatingly tall candy. Luckily, a few years later, I came to my senses and willingly returned to the amusement park. This time I had a blast. Hershey Park is definitely a must-visit to relive some of your greatest (or not so great) childhood memories. If you're looking for a weekend getaway, be sure to stay at the Hershey

Lodge, which will be home to a brand new waterpark this Memorial Day Weekend.

### *Adventure Aquarium*

As a child, I adored anything that reminded me of the beach. This, of course, included the Adventure Aquarium. Though the weather is not always compliant with lounging on the shore or splashing in the waves, the aquarium acts as a perfect stand in. When you're craving a day at the beach, but Mother Nature is not on board with your plans, take a ride over to the Camden, NJ Adventure Aquarium. Embrace your inner Nemo and take in all the incredible sea creatures the attraction offers. If you're feeling daring, take a swim with the friendly Adventure Aquarium sharks. If that's not really your style (meaning you prefer your limbs attached to your body), you can opt instead for swimming with either sea turtles or penguins. All guests, of course, don't necessarily, have to splurge for one of the aquariums major attraction. The Adventure Aquarium traditional ticket allows visitors to view fish, amphibians and mammals without jumping into the tank with them.

Though growing up (unfortunately) isn't optional, no one is forcing you to put everything from your childhood in the past. Take a break from the real world for a day and take a trip down memory lane at one of these exciting attractions.



## Scientists search for evolutionary path of dogs

By Sarah Haurin '16

Scientists have recently decided to undertake a project that is arguably the noblest scientific pursuit of our times: the quest to answer definitively from whom and how dogs descended.

Though many scientists before have endeavored to trace the origin of man's best friend, results have been contradictory and inconclusive. Evolutionists have claimed everywhere from Europe to Siberia to all over Asia as the site of the origin of dogs, and the suggested time of evolution is anywhere from 18 to 33 thousand years ago.

Researchers like American evolutionary biologist Gregor Larson have begun a global effort to unite scientific resources and findings from all over the globe to determine once and for all the evolutionary path that led to dogs as we know and love them today.

Most conclusions that have been previously drawn about the domestication of dogs have been

so varied because researchers have relied on genetic material found in modern dogs, which has endured thousands of years of natural selection as well as artificial selection, or dog breeding.

Rather than relying only on fossil lines from a single location or genetic data from modern dogs, this project will combine fossils and DNA evidence from all over the world with the hope of creating a cohesive model of how dogs' morphologies have evolved over time.

With this evidence, Larson and his team hope to discover how the domestication of dogs really occurred. While scientists still agree that dogs are descendants of wolves, they have ceased to believe that the domestication of canines was the result of a conscious decision of humans to

tame wild wolves.

This theory fails to consider that wolves are not easily tamed and trained, even if efforts to do so began at birth. Furthermore, while most scientists agree that

animals?

A more likely explanation of the evolutionary transformation from wolf to dog involves some braver wolves deciding to feed themselves and their young by scavenging nomadic humans' camps. Over time the animals became more and more comfortable being near humans, produced more offspring because of the increase in nourishment they received and thus became man's most loyal companion.

Uncovering evolutionary links that support this hypothesis may also affect how we see dogs and their personalities; their loyalty and friendliness may simply be a result of their innate instinct to go where the food is readily available.

Still, dogs differ from wolves in many biologically notable

ways: Dogs are somewhat promiscuous while wolves mate for life; dogs living on their own do not form a pack; and wolves do not readily eat in the presence of humans.

Despite these differences, not all scientists are convinced that wolves and dogs can be considered two distinct species. Some breeds of dogs can produce viable offspring with wolves, a factor that suggests the two groups may be too closely related to be truly separate.

Dr. Larson and his team hope to put to bed these disagreements by discovering all of the nuances of the evolutionary history of dogs. In addition to providing a timeline of canine evolution, this project will likely greatly affect our understanding of the evolution of humans, as the domestication of dogs is believed to be a major evolutionary advancement for humans.



## E.T: an unwelcome friend?

By Sarah Haurin '16

The invasion of evil aliens to our peaceful planet has provided the plot for countless scary movies. But researchers at Columbia University are working to make sure this cinematic nightmare is never realized.

University researcher David Kipping and graduate student Alex Teachey utilized existing technology to engineer a device that will effectively hide Earth from any malevolent extraterrestrial life.

Most discoveries of new planets are facilitated by the Kepler space telescope, which detects the pattern of brightness of stars in an approach called the transit method. When the device detects tiny "dips" in the pattern of brightness, scientists can conclude that a planet or similar body exists and is orbiting around the star at that location; a decrease in the brightness indicates that some orbiting body has passed between Kepler and the light source.

Kipping and Teachey thus undertook to hide Earth from any extraterrestrial life forms with similar technological capabilities of detecting other planets.

One limitation of the technology is that scientists must know where the aliens who would be seeking other life forms are located. With this knowledge, scientists can use a laser or a collection of lasers to shine on the location of the extraterrestrials at the time Earth is passing in front of the sun.

For this method of concealment to be effective throughout the year, less energy than is produced by solar panels on the International Space Station would be required.

Although the use of lasers to

hide Earth cannot prevent the detection of the planet's gravitational pull on the sun, other potential methods can disguise certain signs of life. Cloaking biological signatures like oxygen that are indicative of life poses another way to deter alien life forms from seeking our resources.

Prominent scientists like Stephen Hawking have suggested that masking Earth from potentially harmful alien life forms could be of great advantage to our planet; he even suggests that aliens who come to Earth to take advantage of its resources could devastate the planet to a similar scale as Europeans did with their colonization of the Americas.

Other scientists argue that our best chance at discovering the presence of alien life forms is by advertising our own planet as holding life so that extraterrestrials completing similar experiments to search for life can find us.

Kipping's work also poses the question of whether aliens with comparable levels of intelligence and technology have already begun to use similar technology to conceal themselves from our view, a possibility that would make the search for aliens significantly more difficult. Assuming this to be a legitimate possibility, attempting to conceal Earth from these planets may be futile; aliens could have detected the existence of Earth long before Kipping and Teachey's efforts began.

Understanding these patterns of concealment can help scientists to discover any artificial readings captured by the Kepler, hopefully bringing astronomers that much closer to discovering the presence of alien life.

## Scott Kelly returns from space

By Julianna Kardish '16

After spending a year-long expedition in space, Scott Kelly - an American astronaut, engineer and retired U.S. Navy Captain - finally returned to Earth on March 2, 2016.

As the Commander of Expedition 46, Scott Kelly launched on March 28, 2015, for a historic 360-day mission with Russian counterpart Mikhail Kornienko. The two astronauts were orbiting 230 miles above Earth while aboard the International Space Station. Six months later, Russian astronaut Sergey Volkov joined Kelly and Kornienko to complete the last half of the mission.

On March 2, 2016, the three men finally returned in the Soyuz TMA-18M spacecraft to their homeland: Mother Earth. Kelly, Kornienko and Volkov safely landed near the town of Zhezkazgan, Kazakhstan.

NASA and Roscosmos, the Russian counterpart of NASA, conducted Expedition 46 to the International Space Station in order to collect valuable data on the results of extensive duration weightlessness on the human body. NASA reports that Kelly and Kornienko's year-long mission, which is twice as long as typical U.S. space missions, is "expected to yield beneficial knowledge on the medical, psychological and biomedical challenges faced by astronauts during long-duration spaceflight."

Both NASA and Roscosmos were interested in space travel's effect on the body and mind to see how it may impact astronauts making the long journey to Mars. Now that Expedition 46 has been successfully completed, NASA's Johnson Space Center in Hous-

ton will study and test the astronauts in order to form predictions on the effects of long-term space travel and help plan for a future human mission to Mars, a round trip presumed to last nearly three years.

Many scientists and researchers believe studies and training sessions should be held in simulated weightless environments with equipped technology that imitate space travel. Although this solution is more cost effective, spending a full year in space



Scott Kelly poses after returning to Earth.

will provide more useful information on the physical and mental changes astronauts undergo.

Scott Kelly was chosen for the mission because of his odd circumstance; both he and his identical twin are astronauts. After their time as Navy pilots, the Kelly brothers became space-shuttle astronauts for NASA in 1996. Although never traveling together, the brothers have served a total of seven space missions.

NASA will use the Kelly brothers as a two-person sample group. Because Mark and Scott Kelly are identical twins, they

possess the same genetic operating system, allowing researchers and scientists the opportunity to compare how the two different atmospheres' of low-orbit space and Earth affect human mental and physical health. The human body is designed for the one-G environment of Earth. Thanks to Scott's year in space and Mark's year on Earth, scientists now can study how the zero-G environment of space or the 0.38 G environment of Mars will affect the human body.

As of now, scientists know that in a space environment, bones become brittle, eyeballs lose their structure, hearts beat less smoothly and balance is disturbed.

Having previously traveled to space three times and logged a cumulative six months in space before Expedition 46, Scott Kelly was prepared for the major side effects of living in space. As space missions are plagued with the usual backaches, headaches, bone loss, lousy sleep, disturbed balance, muscle atrophy, nausea, radiation exposure and rashes, Kelly recounts that he felt lousiest during the first month of the journey when he was adjusting to life in orbit.

Researchers and scientists are interested in knowing if the most damage occurs to the astronaut during the first few months of a long space trip or if the mental, physical and emotional damage increase as the trip goes on.

Now that Volkov, Kelly and Kornienko have returned to Earth, studies and experiments can be held to evaluate their health and the rate at which it has improved or decreased. With this exciting mission and following experiments, a mission to Mars in the near future appears even more realistic.

## Nancy Reagan leaves powerful legacy

By Nina Chae-Gordon '18

When Nancy Reagan passed away on March 6 from congestive heart failure, the American public lost more than an iconic First Lady; they also lost a major advocate for medical advancement.

From her personal battle with breast cancer to becoming her husband's caregiver during his fight with Alzheimer's disease, Nancy Reagan was no stranger to the strain an illness could place on a family. Using her firsthand experiences, Reagan dedicated her adult life to making American citizens more aware of life-altering diseases and working towards finding a cure.

In 1987, Reagan was diagnosed with breast cancer. Caught at an early stage, the tumor resulted in her being advised to undergo a mildly invasive lumpectomy and radiation to counteract the cancer. However, unable to part with her work at the White House, Reagan chose to have

a modified radical mastectomy to eliminate the extensive recovery time a lumpectomy and radiation would have posed. After recovering from her surgery, she began to speak openly about her mastectomy, empowering other women to engage in self-examination, learn about family histories and seek professional care. She could not stress enough the importance of receiving a regular mammogram, claiming that it saved her life.

While dealing with her struggle with breast cancer, Reagan was still heavily invested in her campaign against drug use. Just months before she became First Lady, Nancy Reagan had started

the "Just Say No" campaign in attempts to change the nation's view on drugs and discourage the youth of America from using said drugs. Her program started when a child asked how to respond if someone offers drugs and Reagan responded with, "Well, you just say no."

Within the first few months

Reagan developed the Nancy Reagan After School Program and the Nancy Reagan Foundation, which merged with the BEST Foundation for a Drug-Free Tomorrow in 1994.

Although Reagan was unable to eliminate drug usage in youths all together, cocaine usage by high school seniors graduating in

death with him, going through letters he had written to her prior to his mental deterioration.

According to the Alzheimer's Association's Chief Science Officer, Dr. Maria Carrillo, the couple played an important role in getting the American public to take Alzheimer's seriously and know that it is in fact a life threatening disease that can affect more than just the patient suffering from Alzheimer's.

Following her husband's death, Nancy Reagan became more and more involved in the advancement of Alzheimer's research. As she learned more about the disease, she came to the conclusion that finding out more information on stem cells could assist in finding a cure for Alzheimer's and other neurological diseases. In addition to facilitating the research financially, Reagan also led the fight against federal restrictions on embryonic stem cell research, going against former President George W. Bush who initially imposed the restrictive policy in 2001.

More than a fashion icon and one who dared to change the china in the White House, Nancy Reagan was a woman who took her own dire experiences and used them as a way to advance the public's knowledge of the severity of many medical conditions and diseases. President Barack Obama noted the significance of her efforts by stating, "She became a voice on behalf of millions of families going through the depleting, aching reality of Alzheimer's and took on a new role, as advocate, on behalf of treatments that hold the potential and promise to improve and save lives."



First Lady Nancy Reagan addresses the White House on the epidemic of drug abuse in 1986.

of serving as First Lady, Reagan visited many rehabilitation centers on behalf of her new campaign. By September 1982, she addressed the National Legislative Session of the parent-teacher association regarding the drug abuse problem and attended the first National Conference of the National Federation for Drug-Free Youth just one month later.

Ronald Reagan's signing the "National Crusade for a Drug Free America" anti-drug abuse bill into law in October 1986 proved to be a great achievement for Nancy Reagan and her campaign. To continue her efforts to lessen drug usage in America,

1988 decreased by almost 30%, the lowest rate in the decade. By the time the Reagans left Washington, only 19.7% of the 1989's graduating high school class were regular drug users, a 47% reduction from previous years.

Issued on Nov. 5, 1994, Ronald Reagan's letter to the American public stating that he was diagnosed with Alzheimer's changed Nancy Reagan's focus. Although she was still an active advocate for the "Just Say No" campaign, she began to concentrate on conducting her "long goodbye" to her beloved husband. Mrs. Reagan spent most of the time leading up to Ronald Reagan's untimely

## Zika update

By Laura Santori '17

Since the World Health Organization (WHO) declared the Zika virus a public health emergency in February 2016, billions of dollars have been funneled into research teams seeking ways to prevent the spread of the disease.

The Zika virus has ravaged South America since its emergence in Brazil in 2015 and is now rapidly progressing through North America. WHO predicts that by the end of 2016, the Zika virus will have spread throughout the majority of the Americas.

The team responsible for the discovery of the cell was led by Rich Kuhn, the director of the Purdue Institute for Inflammation, Immunology, and Infectious Diseases (PI4D), and Michael Rossmann, a Professor of Biological Sciences at Purdue University. Using a specialized electron microscope, the team was able to view the virus on an extremely high resolution, providing a detailed image.

The Zika virus is classified in a family of viruses called "flaviviruses," which includes the West Nile virus, yellow fever and Dengue fever. What makes flaviviruses so deadly are the small, sugar protrusions extending from their cells, which the body recognizes and thus willingly binds to the infectious cell.

Symptoms of the Zika virus strongly resemble the flu, including fever, rash and joint pain, and the virus is spread through mosquitoes or sexual contact with an infected person. The virus itself does not appear threatening, as only twenty percent of infected people exhibit any of these symptoms.

However, recent reports from Brazil have created an international panic. In areas where pregnant women are infected, there is an increase in birth defects, particularly microcephaly in infants. Microcephaly is a condition in which the child's head is smaller than normal, which results in an undeveloped and damaged brain. Researchers also have linked the Zika virus to Guillain-Barré syndrome (GBS) in adults, which impairs the nervous and immune systems.

With this 3D image as a guide, the team hopes to understand how the virus functions within the human body and use the information to combat infection. If the Zika virus does function similarly to other flaviviruses, Rossmann states, "Perhaps an inhibitor could be designed to block this function and keep the virus from attaching to and infecting human cells."

Currently there is no treatment or vaccine to inhibit the disease, but Kuhn and Rossmann's team is one among many working swiftly towards a solution to save lives.

## Cooling caps reduce chemo hair loss

By Kelly Ward '17

When a patient receives a cancer diagnosis, he or she may experience an array of emotions, such as anger, shock or sadness. The mental grief associated with a cancer diagnosis is further intensified by the common side effects of treatment options like chemotherapy. Hair loss, an especially frequent after-effect of certain types of chemotherapy, can cause a patient to feel particularly vulnerable and depressed. Recently, the U.S. Food and Drug Administration allowed for the marketing of a product known as a cooling cap. This cooling cap reduces hair loss in female breast cancer patients undergoing chemotherapy, potentially minimizing negative feelings associated with the condition.

The Dignitana DigniCap Cooling System's ability to combat hair loss, or alopecia, is due to a computer-controlled system that circulates cooled liquid to

a head-worn cooling cap during chemotherapy treatment. A tight, silicone cooling cap is placed on the patient's head at the start of a chemotherapy treatment. Coolant is then circulated through channels in the cap, reducing the temperature of the scalp. This decrease in temperature reduces blood flow to the scalp, effectively minimizing the amount of chemotherapy that reaches hair cells. The cooling also slows cellular metabolism in the hair cells, allowing



A cancer patient undergoing chemotherapy experiences the cooling cap technology.

outer insulating cap made of neoprene fits over the silicone cap to preserve temperature.

Before the system was approved by the FDA, it was tested in a study of 117 female Stage I and Stage II breast cancer patients who were receiving chemotherapy treatments known to cause hair loss. Of the 117 women, 16 did not use the cooling cap. Each woman involved in the study photographed herself after receiving 4 rounds of

chemotherapy and assigned her hair loss a score from 0 to 4. At the end of the study, 67 women ranked their hair loss at a score of 2 or less, meaning they lost 50%

or less of their hair. The data collected during the study can also apply to some Stage III and Stage IV breast cancer patients who have benefit-risk profiles similar to the women involved in the original study.

Cooling caps are beginning to gain a positive reputation in the realm of cancer treatment. Although there are several potential side effects of the system like chills, neck and shoulder pain and cold-induced headaches, medical officials remain optimistic. William Maisel, the acting director of the Office of Device Evaluation in the FDA's Center for Devices and Radiological Health, said, "We are pleased to see a product for breast cancer patients that can minimize chemotherapy-induced hair loss and contribute to the quality of life of these individuals. Managing the side effects of chemotherapy is a critical component to overall health and recovery."

## Rio introduces three new sports

By Callie Shinkle '17

Three new sports will be added to the 2016 Rio de Janeiro Summer Olympic Games: golf, sevens rugby and kitesurfing.



Golf is being reinstated into the Olympics after 112 years of not being included. The sport was initially introduced at the Paris Games of 1900, but was removed in 1924 after issues with rulings arose. Golfers in the 2016 Games will play 4 rounds on several courses in Brazil, and the person with the lowest score will be awarded the gold medal. Only 60 men and 60 women will be able to compete in this sport, so spots are especially competitive. Although golf will only be an individual competition, with 7 out of the top 15 ranked golfers in the world, the United States is the heavy favorite to win gold.



Rugby is also making an Olympic reappearance in 2016. The sport was previously in the Olympics with a 15-person team, but in the new format, there will only be seven members to a team. Its addition to the Olympics is highly anticipated in the rugby world, and the International Rugby Board even decided to discontinue the Sevens World Cup in order to make the Olympics the premier event for the sport. While both the United States men's and women's rugby teams have qualified for the Olympics, the British teams are predicted to take first place.



Kitesurfing will be making its Olympic debut in the upcoming games. Replacing windsurfing, the fairly new sport will have both a men's and a women's competition. Supporters of kitesurfing hope that the exposure from the Olympics will enlighten the world about aerial surfing. The addition of kitesurfing has come with controversy, however, as many are contending that the sport is too dangerous to be featured in the Olympic Games. American Johnny Heineken is expected to dominate the sport this summer and take gold at the sports inaugural Olympic competition.



# Team USA gears up for Rio

By Regan Fitzgerald '17

Every four years, proud citizens around the world glue their eyes to television screens and passionately cheer on their countries' world-class athletes participating in the most exciting, universal sporting event in the world: the Olympics. The upcoming Summer Olympic Games in Rio de Janeiro, Brazil, will be no exception. As the first South American country ever to host the Games, Brazil will display its unique culture through its opening ceremony and overall atmosphere.

Every Games, a variety of new sports stars rise to meet the level of Olympic legends and compete for glory and gold. Although the Olympics are still a few months away, several athletes are already favored to win both medals and also public admiration. Team USA, the perennial favorite, is expected to lead the medal count. Here are some of the American athletes to keep an eye on at the upcoming games:



**Katie Ledecky**



Although she won gold in the women's 800 meter freestyle at 15 years old in London, Ledecky was overshadowed by Missy Franklin at the last Olympic Games. Over the past two years, however, Ledecky has completely dominated the competition in the pool in events varying from the 400-meter to the 1500-meter races. As a 16-year-old at the 2013 World Championships, she won gold in 400-, 800- and 1500-meter races. Now, at just 19, she already holds eleven world records and is considered by many the greatest female freestyle swimmer of all time. Most recently, she shattered the 800-meter world record at the World Championships, where she also took home a total of five gold medals. When talking about her teammate and competitor, Missy Franklin said, "What [Ledecky] does is incredible, and it's never been done before." With her seeming invincibility, Ledecky is poised to become an Olympic hero and household name after the games this August.



**Simone Biles**



Biles' success in gymnastics rivals Ledecky's in swimming. She is the two-time reigning all-around world champion and has been undefeated in all-around competitions for the past two years. At the U.S. National Championships, Biles won the all-around by 4.467 points, which is the largest margin of victory in the history of gymnastics competition. The eighteen-year-old is favored to tie the United States record for a single Olympic Games by winning five medals. If Biles does win gold in the all-around, she would be the fourth American in a row to win the competition. It is very likely that, in her first Games appearance, Simone Biles will follow in Gabby Douglas' footsteps and become America's next Olympic golden girl.



**Michael Phelps**



The Olympics cannot be discussed without mentioning Phelps. The most decorated Olympian of all time came out of his very short retirement to train for Rio. At first, most experts were skeptical that Phelps would be able to compete on such a high level after two years out of the water. His times and placements, however, have slowly progressed through the national and international competitions he has participated in since his return. Although he will likely not come close to his record-setting performances at the 2004 and 2008 games, Phelps is still predicted to perform well in Rio. John Naber,

himself a five-time Olympic medalist, has spoken about Phelps' chances, "He'll come home, if not America's most decorated swimmer, one of the top three. I think he can win individual gold medals. I think he can win two or three individual races and a couple of relays." Although older and without two years of his typical training, Phelps' natural talent and unparalleled drive make him a serious contender in his fourth Olympics.



**David Boudia**



Diving may not be the most popular sport in the country, but all Americans love an underdog story, which David Boudia gave us four years ago in London. He shocked the world by interrupting the Chinese winning streak by taking gold in the 10-meter individual platform. In Rio, Boudia hopes to make more history by becoming the first American since Greg Louganis in 1988 to win gold in back-to-back Games. Watching Boudia take on the dominant Chinese offers the chance to quench Americans' thirst for an upset.

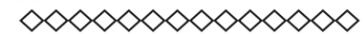


**Mallory Pugh**



After last summer's inspiring World Cup performance, the women's national soccer team has many eyes on them coming into Rio. The team, however, will look slightly different than it did in 2015. Abby Wambach's retirement and Sydney Leroux's pregnancy opened the way for 17-year-old Mallory Pugh to earn a spot on the Olympic ros-

ter. A high school senior and UCLA committ, Pugh became the youngest woman ever named to a U.S. Olympic qualifying roster. In her first ten games with the team, she scored two goals and had five assists. When asked about Pugh and other new additions to the roster, captain Carli Lloyd said, "There's a lot of fresh faces out there and it's refreshing. I love taking young players under my wing." Her speed and fearlessness make her stand out, and she is sure to make an impact in Rio.



**Trayvon Bromell**



Although the 2016 Games will be Trayvon Bromell's first Olympics, the American sprinter is ready to help the U.S. to gold. At just 20 years old, Bromell has already amassed an impressive number of accomplishments. He is the first junior sprinter ever to break the 10-second barrier in the 100-meter dash and took first place in the 4x100-meter relay and second place in the 100-meter dash at the 2014 World Junior Championships. He placed third in the 100-meter dash at the 2015 World Championships and ran a speedy 6.47 seconds to take gold in the 60-meter race at the 2016 Indoor World Championships. Bromell also runs for Baylor, winning an NCAA title in an indoor 200-meter race during the 2015 season.



For two weeks every four years, spectators of different cultures, backgrounds and interests come together to watch the Olympics. The games provide iconic moments that ignite patriotic pride in citizens across the globe. Americans will undoubtedly be looking for these moments in addition to standout athletes in the upcoming 2016 Olympic Games in Rio. There are already athletes that stand out as potential stars, but fans will have to wait until July to see who captures medals and hearts.



# Track, softball and lacrosse look to successful postseason

By Sarah Rothenberg '17

After a successful second place finish last year at Champs, Mount's track and field team is ready for another momentous season.

Under the strong leadership of head coach Kitty McClernand and senior co-captains Julianna Kardish, Gabby Good, Katie Strosser and Lauren Ciasullo, Mount runners and relay teams have been turning in strong times.

Two Mount relay teams represented the purple and gold at the prestigious Penn Relays on April 28-30 at the University of Pennsylvania. On April 28, in the 4x100 meter relay, senior Lauren Ciasullo and juniors Julie Hoover, Shiobhan McBride and Serina Clary ran a season best in 52.2 seconds.

Also competing on April 28, the 4x400 relay team of junior Julie Hoover, sophomore Grace DiGiovanni, and freshmen Julianna Kratz and Ryan Good finished with a time of 4 minutes and 20 seconds.

"We were extremely proud of the two relay teams who competed at the Penn Relays," said Ciasullo.

Assistant Coach Smitty, who attended the relays with the team, said, "Penn Relays was a purely

fun day that was also a good experience for the girls."

Prior to the outing at Penn, Mount's team had run three meets and boasted a respectable record of 2 wins and 1 loss. The team beat St. Basil and Sacred Heart at the first dual meet of the year and Villa Maria a week later. At the Wissahickon Relays, the team closed out the meet with many gold and silver medals. Ryan Good, Grace DiGiovanni, Caitlyn Cunningham and Julianna Kardish finished the 4x800 meter relay with a silver medal and a season best in 10:06 minutes.

Although the track seniors are leaving with heavy hearts, they excitedly welcome new talent to the team. Freshman Julianna Kratz has dominated all events from the 100-meter sprint to the 800-meter distance race. Freshman Bridget Joyce has been competing in the pole vault, a new addition to Mount's track and field event offerings.

The co-captains are excited to wrap up their senior seasons with a strong record. Head coach Kitty McClernand is also looking to cap off the season with a championship. Ciasullo noted the team is "striving for victory" at the AACA Championships on May 11 at Lehigh University.

By Margot Biamon '17 and Erin Brohpy '16

Ranked third in the league with a .500 record of 4 wins and 4 losses, Mount softball is off to a strong start for the 2016 season.

The team started its year with a bang. Following a tough loss to Villa Maria on March 29, the team rallied to pull out a huge win in their second game against league powerhouse Nazareth Academy, who has reigned as the AACA's unbeatable squad for the past five seasons. In the ninth inning, the team capitalized on Nazareth's fielding mistakes. The Magic pressed their advantage and seized a one-run lead, clinching the game 6-5 in an exciting walkoff win. The team celebrated the upset by storming the diamond.

"We were all jumping up and down, and we ran on to the field," said sophomore left fielder Lila Moore. "It was a great feeling."

By Meredith Rickers '18

After just missing the playoffs last year, Mount lacrosse came into the season with something to prove. Under the leadership of the seniors and its new head coach, Brian Madeira, the team has surprised the whole league with its success.

"I really think that we have proved many people wrong. We lost a lot of our key players from last year, but our upperclassmen have stepped up," says co-captain Izzy Balcer '16.

The team's season has been characterized by exciting victories, including wins against rival Gwynedd and the league's top team Merion. The Merion win on April 18 was close and intense, but the Mount held a lead for the majority of the game. When asked how the team was able to pull off the upset, junior Casey Mckeever said, "We came out

The Magic is optimistic about its prospects for success in the AACA this season. Junior Angela Gervasi, who boasts the team's highest batting average and has slugged two home runs in the 2016 season, is confident that the Magic have what it takes to play well and compete.

"Coach Thompson said that this is the best team he has had since he started coaching six years ago," said Gervasi.

One of the advantages the 2016 squad enjoys is the presence of seven senior team members, who have added their experience and leadership abilities to the mix of an already talented team. Senior catcher Jess Burns will be continuing her softball career at Delaware Valley University.

With talent and determination, the Magic hope to make a competitive playoff bid to end their 2016 season, and they look forward to more big wins and field-storming walkoffs for the rest of the season.

strong, and we had a great attitude from the start. Once we figured out their offense, we had the upper hand for the rest of the game."

When asked about the key factors to this season's success, the players all mentioned their new coaches, head coach Brian Madeira and assistants Shannon Zoldy and Meg Bonner. Co-Captain MK Maloney '16 praised them saying, "With our new coaching staff, the team has developed a new style of play, which is benefitting the individual talents of each player."

On April 26, seniors Izzy Balcer and MK Maloney scored their 100th goals in a 13-5 victory against Gwynedd.

With confidence from crucial wins and a drive from disappointing losses against Upper Dublin and Villa Maria, the Mount is looking ahead. Maloney conveyed the team's goals. "I think our team has a great opportunity to succeed in the post season."

# USWNT files wage discrimination complaint

By Paige Comtois '17

This past summer, the U.S. women's soccer team (USWNT) garnered the attention of people around the world with their 5-2 win over Japan in the World Cup final. As the top ranked team in the world, people would expect that the players would be earning the same, if not more, than the U.S. men's soccer team who has continuously had mediocre performances in matches both big and small.

On Wednesday March 30, five prominent female soccer players accused U.S. Soccer of wage discrimination. This complaint was released the day after the U.S. men's soccer team failed to qualify for the summer Olympics for the second time in a row.

Captains Carli Lloyd and Becky Sauerbrunn were joined in the complaint by goalkeeper Hope Solo, forward Alex Morgan and midfielder Megan Rapinoe. These five players and their lawyer, Jeff Kessler, decided to file the suit now instead of earlier because U.S. Soccer recently admitted to collective bargaining negotiations that the women would receive less than the men.

The numbers behind this suit are powerful and illustrate the glaring disparity between the men's and women's wages. Both the USWNT and the USMNT are required to play a minimum 20 international friendlies each year.

While each player on the women's team would earn \$99,000 if they win 20 friendlies, the men's team would earn \$263,320 each for the same achievement. Also, even if the men's team lost all of their friendlies, they would still earn \$100,000 each. The women do not receive any bonus for losing an international friendly. Additionally, while the women do not receive any bonuses if they play more than 20 friendlies in a year, the men can still earn \$5,000 to \$17,625 for each additional game.

In 2015, U.S. Soccer spent \$30 million to run the men's soccer program and only \$11 million to run the women's. Additionally, citing statistics from the USSF's 2015 financial report, the women claim that players on the USWNT earned almost one-fourth of what their male counterparts did.

"There are no legitimate, non-discriminatory reasons for this gross disparity of wages, nor can it be explained away by any bona fide seniority, merit or incentive system or any factor other than

more in revenue than the men's team did last season makes this wage discrimination even more outrageous.

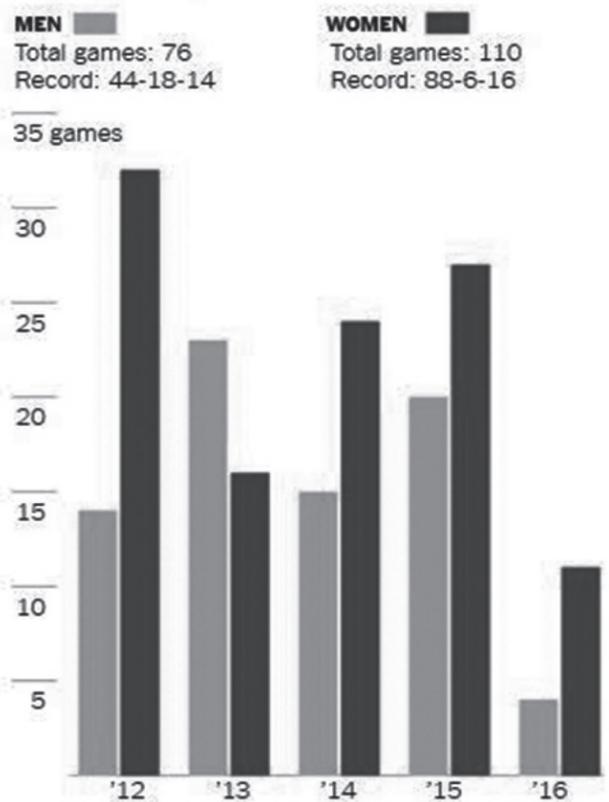
"The numbers speak for themselves," Solo told The Times. "We

are the best in the world, have three World Cup championships, four Olympic championships, and the USMNT get paid more to just show up than we get paid to win major championships."

In response to this complaint U.S. soccer stated, "While we have not seen this complaint and can't comment on the specifics of it, we are disappointed about this action. We have been a world leader in women's soccer and are proud of the commitment we have made to building the women's game in the United States over the past 30 years."

The complaint was filed with the U.S. Equal Employment Opportunity Commission (EEOC). The EEOC

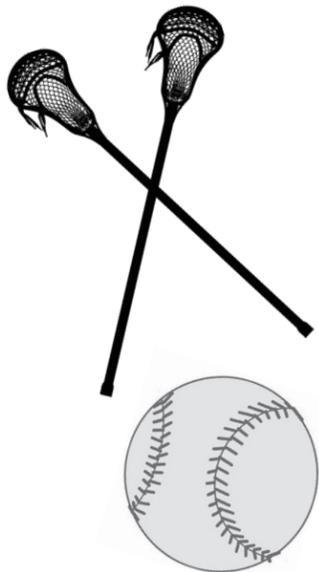
**In three of the past four years, and again through the first few months of 2016, the women's national team has played more games — sometimes 40 and 50 percent more — than the men's national team. The women also have twice as many victories, 88 wins to the men's 44.**



sex," the complaint says.

The fact that the women's team generated almost \$20 million

## Spring athletes push for strong season finishes



(Top left) Ashley Pyne '17  
(Top right) Sarina Clary '17  
and Siobhan McBride '17  
(Adjacent) Jess Burns '16  
Pictures courtesy of Tom  
Utescher, Chesnut Hill Local.



## Mount crew buckles down for 2016 medal season



Mount Crew's Lightweight 8+ fights windy conditions as they prepare for their race at the 2nd Manny Flick on the Schuylkill River.

By Paige Comtois '17

As other spring sports start to wind down, the crew team is gearing up for medal season.

With a couple of important wins already under their belt, the crew team is hungry for more.

**US Rowing Mid-Atlantic Youth Championships**  
May 7-8 @ Mercer Lake, NJ

Select Mount boats will compete in this regatta to qualify for the US Rowing Youth Nationals in June.

**Stotesbury Cup Regatta**  
May 20-21 @ Schuylkill River

The crew team will compete against programs from around the world in the world's oldest and one of the largest high school regattas.

**SRAA National Championships Regatta**  
May 27-28 @ Dillon Lake, OH

Teams from across the country gather for this regatta sponsored by the Scholastic Rowing Association of America.

**US Rowing Youth National Championship**  
June 10-12 @ Mercer Lake, NJ

At this extremely competitive regatta, the Mount will compete against the best club and high school rowing teams in the country.