Friday, September 21st - **Maize Maze Team Building at Hurricane Hill Farm** 5:30pm to 10:00pm

Friday, December 28th - **WINS Holiday Get-Together Celebrating our 30th Anniversary** 6:00pm to 8:00pm at the Academy’s Dino Hall.

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**ALL WINS**

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### Dates to Remember

**WINS I**

- **Wednesday, September 12th: First Day!**
  Academy of Natural Sciences
  4:00pm to 5:30pm
- **Saturday, October 6th: Field Trip! Bronx Zoo**
  Meet at the Academy at 8:00am, back by 7:00pm
- **Saturday, October 27th: Field Trip! Hawk Mountain Sanctuary**
  Meet at the Academy at 8:00am, back by 4:00pm
- **Saturday, December 8th: Field Trip! America Museum of Natural History, NY**
  Meet at the Academy at 8:00am, back by 7:00pm

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**WINS II**

- **Thursday, September 20th: Workshop - Going to College** 4:30pm to 6:00pm
- **Thursday, October 18th: Workshop - Tree Philly** 4:30pm to 6:00pm
- **Saturday, October 27th: Day of Service Tree Philly**
  8:30am to 4:00pm
- **Thurs-Sun November 8th-11th: College Tour! New York**
  Meet at the Academy on Thursday at 5:00pm, back on Sunday by 4:00pm
- **Thursday November 29th: Workshop - Horticulture** 4:30pm to 6:00pm

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**WINS Newsletter**

**Editors**
- Betsy Payne
- Allison Smith

**Contributors**
- Tamira Bell
- Kyjae Pannell
- Maranda Parker

Send your comments or questions to:
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All activities are **rain or shine!**

Please let Ms. Betsy know if you cannot make it to an activity beforehand.
Women In Natural Sciences (WINS) is an innovative and successful science enrichment program conducted by the Academy of Natural Sciences of Drexel University in collaboration with the School District of Philadelphia. Since its founding in 1982, WINS has been providing female public school students with hands-on science classes, scientific literacy and skill-building activities, and opportunities for personal growth in a uniquely nurturing setting.

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Montana Internship Trip

This summer I had the opportunity to go on a field dig to Red Lodge, Montana. On the flight from Philadelphia I wasn’t as nervous as I thought I would be. I was actually a little over excited - I even got Ms. Betsy to take a picture of us boarding the plane. We arrived around dinner time and after we ate, we went to a classroom to learn about background information about Red Lodge, the Yellowstone-Bighorn Research Association (where we were staying) and the sites we were going to visit.

On our first day of digging, the group worked in various teams. Priya and I were able to help two college students, Emory and Kate, who had rediscovered the skull of an Ankylosaurus and were in the process of excavating it. While I sat there collecting fossil fragments under the hot sun, I realized something - this was not for me and I did not want to study paleontology.

On Wednesday we went to a place called Dumb-Bell Hill. We had to go down a pretty steep path to get to the site. Once we got down to the site we followed Dr. David Parris to an area he needed some help with. To get to this particular spot he had us walking in and out of gullies which are like miniaturized valleys, and jumping onto rock that you would question their stability over snake infested waters which were more like a small river. I truly felt as if I were on an adventure in the wilderness.

When we finally arrived at the site it looked as if someone took a bag of fossil fragments and just dumped them on the surface. I felt I was really making progress with this site. After working on that spot for a few hours and other various areas nearby it came time to go back. To get back to the trucks we had to go back the way we came which meant going back up the very steep hill. Because of all the hard work we did, I have gained more respect for the study of paleontology.

One day we were able to go into town for a couple of hours. The place I liked best was the candy shop. This shop had every candy you could imagine; it kind of reminded me of Willy Wonka’s chocolate factory. I believe I might have bought a pound of candy or more from that candy store - I still haven’t been able to finish all of it!

(continues on page 3)
The first hand effect

Since I have been living in the city of Philadelphia all of my life, I have experienced the sight of litter and how it can be a major eye sore in the community, but I had never taken it into consideration to make a change. Well, my whole perspective changed once I visited the South East Water Treatment Plant on a WINS field trip.

While I was watching the water go through the filtration process, in the first step the water passes through tightly spaced gates, prohibiting trash and other items to enter into the next step. Then it sends the waste onto a table-like structure for disposal to a landfill and that’s where it hit me! Trash, such as bags, bottles, paper, female sanitary items, electronics, and even mice were washed up. That amount of trash was just a start. There’s even more in our water and in our streets. Then and there I made my decision to do my part and stop littering.

Litter can destroy the environment because it can get into bodies of water causing pollution, which can harm organisms. For instance, take those plastic rings that hold 6-packs drinks together, if you throw one of them on the ground, they can get washed into the sewer system, and can get carried into the ocean, which can get stuck around a fish harming them. So in order to protect our environment from the damaging effects of litter of biomass, do your part, don’t litter, and if by chance you happen to see trash on the ground, pick it up and throw it away. Take it from me, I’ve experienced it firsthand.

Tamira Bell, WINS I

Alumnae - Save the Date!
...to celebrate our 30th anniversary! Joins us on December 28th for an ALL WINS Holiday Celebration - this means all Alumnae, Former Managers and Current Participants! Details to follow. If you would like to help in the planning of the activity, please contact me by Oct. 1st at payne@ansp.org or at (215) 299-1064. Betsy Payne, WINS Manager

Happy Birthday!

September
1st - Gere Johnson
7th - Molly Olshin
10th - Imani Jackson
16th - Shemiah Mack
30th - Janet Tia

7th - Sandy Tang
9th - Debbielynn Mayo
15th - Linda Croskey
17th - Gianni Ogleby-Chamberlain
17th - Kyjae Pannell

October
2nd - Alicia Vazquez
19th - Zania Jones
26th - Mjaan McIvor
26th - Maranda Parker

18th - DaiIzanaee Martinez
18th - Ti’anna Cooper
26th - Janai Keita
26th - Jacqueline Ng
28th - Krista Hill
Montana Internship Trip (cont.)

On our last day in the field, I was happy to find that just as there are highlights to working in the lab such as opening jackets and air scribing, there are highlights to working in the field. The highlight for me was jacketing the head of the Ankylosaurus that was located at the first site we had visited. Jacketing involves covering the fossil with wet burlap strips that are covered with plaster, after first laying down wet paper towels on the fossils to protect them from the plaster. I have to say that this was my favorite part about this trip - it seemed the messier we got, the better job we did.

While in Montana I have learned, tried, and experienced new things. One of the news things that I tried was fried pickles - which are delicious; and one thing I learned the hard way is not everything is good fried, prime example: fried mushrooms. I also learned how hard a Paleontologist job can really be. The weather conditions were different from the ones in Philadelphia - during the day in the field there was a dry kind of heat that would make your water boil. Something else that was different was the level of oxygen, due to the higher altitude; the oxygen was thinner than usual. So an easy task like taking our luggage up the hill to our cabin had us gasping for air. In the field we traveled up and down numerous hills and with no trees to shield us from the sun we felt, first hand, what a Paleontologist goes through while in the field.

Maranda Parker, WINS II