



SCHOLASTICA

Volume 12, Issue 4

February 2010

A FEW WORDS

FROM EDITOR-IN-CHIEF, CHRIS UHLICK

First off, Happy New Year and WELCOME BACK! I hope everyone had a great, relaxing break.

Now that the Spring semester is here, it is important to reflect on what the Fall semester entailed and what you learned from it. Personally, I learned some of the most important things this past Fall. I thought I had learned most of my college lessons involving school and personal life, but that was not the case. I am sure many of you can say that you learned from this past Fall and

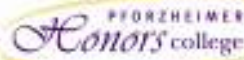
now you need to utilize that lesson this Spring.

The best part about returning from an extended break is seeing those friends you cannot see while being home. I am not sure about how you all feel in regards to returning to school work, but I am sure most students are happy to be back at Pace with the friends who made the Fall so memorable.

The beginning of this semester also involves many students making plans for Valentine's Day. I am aware that

some are very anti-Valentine's Day, but for those who do enjoy it, I hope you have a great time with that significant person in your life (See pages 8-9).

The Spring semester provides new opportunities and experiences for everyone, so I hope you all take advantage of what is presented to you. Above all, good luck this semester and enjoy the Spring!



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Pace University Pleasantville, NY

- * Janetta Rebold Benton, Ph.D.
Director of Honors College, Pleasantville
- * Christopher Walther, M.S.
Honors Advisor
- * Christopher Uhlick
Editor-in-Chief

GENTLE REMINDERS

FROM HONORS COLLEGE DIRECTOR, DR. JANETTA REBOLD BENTON

Events: Honors students are required to attend at least two of the events listed in *Scholastica* each semester.

Seniors: If you have not already done so, please stop by the Honors Office to make sure you have completed all your Honors requirements.

Honors Independent Research: If you are a junior or senior, have a minimum of 3.3 GPA, and wish you had time during your college years to study a specific topic of interest, then take an Honors Independent Research course. With the approval of the appropriate professor, the department chairperson, and the Director of Honors, you will meet regularly with a faculty member who will guide your research and review your progress. To receive Honors credit (3 credits), you must present the results of your study

at the Honors Independent Research Conference held each spring. In addition, your paper may be published in *Transactions* with the Dyson Society of Fellows papers. If interested, please stop by the Honors Office to pick up the necessary blue forms to begin your research. You may apply for the Honors \$1,000 Research Grant to pay your research expenses. Don't miss out on this great opportunity!

Honors Option

Courses: Given the choice, it is preferable to take an Honors course rather than to do an Honors Option. Dr. Benton advises you to hold onto your Honors Options until the end of your undergraduate education and use an Honors Option only if your schedule is such that no Honors course fits in, you are planning your last semesters,

and panic is approaching. Two blue forms, available in the Honors Office, are required. Working with a professor in a non-Honors course, you write an additional paper (10 to 20 pages) or do a project or presentation.

Honors Study Room:

Take advantage of the Honors Study Room located on the third floor of Mortola Library. It is available only to Honors College students. The Honors Study Room is equipped with computers and a printer, soft couches, free coffee, tea, soda, and juice, various snacks, and, of course, candy.

Honors Credit:

In order to receive Honors credit in Honors classes, students must have a final grade *no lower* than a **B-** for the class!

HONOR SOCIETIES

A COMPREHENSIVE LIST OF HONOR SOCIETIES AT PACE

Many of the honor societies listed below meet the high standards of the Association of College Honor Societies, bestowing honor, recognition, and lifetime distinction. Each of these organizations currently have an active chapter at Pace University.

We encourage everyone to join an honor society in their field of interest, and if that honor society does not yet exist at Pace, make it come into existence! You, as students, do have the power to start a national honor society at your university by talking to your professors and advisors. Imagine writing on your resume that you were the founder of your honor society—that would surely impress employers and graduate schools!

<u>Honor Societies</u>	<u>Field</u>	<u>Advisor</u>	<u>Phone Number</u>
Alpha Chi	All academic fields	Dr. Carl Malinowski	(914) 773-3969
Alpha Delta Sigma	Business	Dr. Paul Kurnit	(212) 618-6477
Alpha Iota Delta	Business/Decision sciences	Dr. Chu-Hua Kuei	(212) 346-1873
Alpha Phi Sigma	Criminal justice	Dr. Margret FitzGerald	(914) 773-3950
Beta Alpha Psi	Business	Dr. Charles Tang	(212) 618-6430
Beta Beta Beta	Biology	Dr. John Horne	(914) 773-3513
Beta Gamma Sigma	Business	Dr. Kathy Winsted	(914) 773-3905
Dyson Society of Fellows	All academic fields	Dr. Rebecca Martin	(914) 773-3304
Gamma Kappa Alpha	Italian	Prof. Aldo Belardo	(914) 773-3818
Golden Key	All academic fields	Prof. Christopher Walther	(914) 773-3961
Kappa Mu Epsilon	Mathematics	Dr. Lisa Fastenberg	(914) 773-3657
Lambda Pi Eta	Communications	Dr. Michelle Pulaski	(914) 773-3529
Lambda Sigma	Second-year students	Ms Allyson King	(914) 773-3847
Omicron Delta Epsilon	Economics	Dr. Andrew Kliman	(914) 773-3968
Phi Alpha Theta	History	Dr. Marilyn Weigold	(914) 773-3672
Phi Sigma Iota	Foreign languages	Prof. Martha Rubi	(914) 773-3785
Pi Gamma Mu	Social sciences	Dr. Greg Julian	(914) 773-3959
Pi Lambda Theta	Education	Dr. Anna Fishman	(914) 773-3880
Psi Chi	Psychology	Dr. Paul Griffin	(914) 773-3647
Sigma Iota Epsilon	Management	Dr. Noushi Rahman	(212) 618-6446
Sigma Tau Delta	English	Dr. Bette Kirschstein	(914) 773-3586
Sigma Theta Tau	Nursing	Dr. Gerrie Colombraro	(914) 773-3498
Sigma Xi	Scientific research	Dr. Charlene Hoegler	(914) 773-3698
Upsilon Pi Epsilon	Computing sciences	Prof. Andreea Cotoranu	(914) 773-3193

READY TO HELP

PLEASANTVILLE ACADEMIC ADVISORS

PROGRAM/SCHOOL	ADVISOR NAME	PHONE (914) 773-	E-mail @pace.edu	LOCATION
Academic Resources (for help in selecting your major)	Allyson King	3847	AKing	Mortola, 3rd floor
Challenge to Achievement at Pace	Michael Gillen	3666	MGillen	Mortola, 3rd floor
Challenge to Achievement at Pace	Lesia Rader	3224	LRader	Mortola, 3rd floor
Dyson College of Arts and Sciences	Elizabeth Blank	3538	EBlank	Choate House, 206
Dyson College of Arts and Sciences	Heather Calchera	3924	HCalchera	Choate House, 203
Leinhard School of Nursing	Tiffany Russell	3347	TRussell	Leinhard, 3rd floor
Lubin School of Business	Eileen Murphy	3660	EMurphy	Goldstein, 1st floor
Lubin School of Business	Juliana Piscani	3794	JPiscani	Goldstein, 1st floor
Pforzheimer Honors College	Christopher Walther	3961	CWalther	Mortola, 3rd floor
School of Education	John DiNatale	3751	JDiNatale	Buchsbaum
Seidenberg School of Computer Science and Information Systems	Tricia Brogan	3527	PBrogan	Goldstein, 3rd floor
Seidenberg School of Computer Science and Information Systems	Bernice Houle	3592	BHoule	Goldstein, 3rd floor

SPRING 2010 HONORS EVENTS

Each semester, the Honors College holds events on and off campus. Honors students are required to attend a minimum of two Honors events each semester. For events requiring reservations, call Prof. Christopher Walther at (914) 773-3961 or e-mail cwalther@pace.edu.

Domestic Violence Presentation

Tuesday, February 23, 2010
6:00-7:30pm
Snacks will be served
Gottesman Room, Kessel Student Center



Join Samantha Lee, Teen Program Coordinator/Counselor, from Hope's Door for a presentation on Domestic Violence. Hope's Door is a private non-profit organization, which was founded in 1980 to provide a safe haven and caring services to survivors of domestic violence. Co-sponsored with Golden Key International Honor Society and the UNICEF C.H.I.L.D. Project.

Women's Basketball Game with Children from the Pleasantville Cottage School

Wednesday, February 24, 2010
Game begins at 5:30pm
Goldstein Fitness Center, PLV
Reservations required



Adopt a child for an evening - - attend a Pace University Women's basketball game with a child from the Pleasantville Cottage School. Co-sponsored with Golden Key International Honor Society.



Trip to the Metropolitan Museum of Art

Friday, February 26, 2010
Reservations Required

The Pace bus will depart from Miller Hall at 4:00 pm sharp. Dr. Constantin Marinescu will give a tour through the American wing of the Met. Students who are not in Dr. Marinescu's Honors ART 216 AMERICAN ART course are welcome to join his students or may examine the museum on their own. At 8:15 pm, the Pace bus will depart from the Met and return to campus.

Honors Open Meeting: Guest Speaker Dr. Ellen Mandel

Wednesday, March 10, 2010
12:20-1:15pm
Various flavors of ice cream and toppings will be served
Gottesman Room, Kessel Student Center



Come share your ideas for future Honors events and classes with Dr. Benton and fellow Honors students.

Trip to Broadway Play: West Side Story

Friday, March 12, 2010
Manhattan, NY
Reservations required



Come join the Honors College as we travel into Manhattan to see the world-renowned Broadway play, *West Side Story*. Students will pay \$50, which is half the ticket price, to make their reservation. We will catch the 5:45pm Metro-North train from Pleasantville. Students pay for their own train ticket (\$17.00 round trip). The play begins at 8:00pm.

Honors Easter Egg Hunt with the Pleasantville Cottage School

Sunday, March 21, 2010
11:00-1:00pm
Reservations required
Gottesman Room, Kessel Student Center



Join children from the Pleasantville Cottage School as we enjoy an afternoon of dying Easter eggs and an Easter Egg hunt on Choate lawn. Co-sponsored with Golden Key International Honor Society.

Honors Writing Competition

Entries must be submitted to the Honors Office on the third floor of Mortola Library by Monday, March 22, 2010.



Enter by writing an essay or poem (may include artwork) explaining: "How has the Honors College enhanced your University experience?" Essay must be 500 words maximum! Prize: \$100 America Express Gift Card and your work will be published in *Scholastica!* Please contact cwalther@pace.edu if you have any questions.

Honors Cooking Class at Don Coqui

Friday, April 9, 2010
New Rochelle, NY
Reservations required



Experience a cooking class at Don Coqui and Chef Works. Classes begin with an introduction from the Chef

and an explanation of the foods you will prepare that evening. Then get ready to roll up your sleeves, put on your apron, and start cooking! Once the meal is prepared, everyone sits down family style and enjoys the result of their efforts. The Pace bus will leave Miller Hall at 5:00pm and should return to campus by 10:00pm.

A New Millennium: Children in Africa Hunger Banquet

Tuesday, April 20, 2010
6:00-8:00pm
Gottesman Room, Kessel Student Center



Join us for our hunger banquet as we learn about the effects of poverty and hunger on the children in Africa from the United Nations Millennium Development Project. Tickets may be purchased through the Pforzheimer Honors College for \$6. All proceeds will be donated to the US Fund for UNICEF. Co-sponsored with PSY 233: Psychology of Civic Engagement; the UNICEF C.H.I.L.D. Project; and Golden Key International Honor Society.



Pilates Workshop

Thursday, April 22, 2010
4:00pm
Reservations required
1st floor Aerobics Room, Goldstein Fitness Center

Relax all of your pre-final stress and anxiety by attending a Pilates workshop.

Honors Independent Research Conference

Thursday, April 29, 2010
6:00 - 8:00pm,
Pizza will be served
Conference Room A/B and C/D, Kessel Student Center



Come listen to fellow Honors College students speak eloquently about the results of their Independent Research. Co-sponsored with Golden Key International Honor Society. If you are interested in presenting a paper or project, please contact the Honors Office at (914)773-3848 or e-mail cwalther@pace.edu.



Honors Awards Dinner

Monday, May 17, 2010
6:00-8:00pm
Dinner will be served
Gottesman Room, Kessel Student Center

Graduating seniors will receive their Honors medals (to be worn at graduation) and their Honors College certificates.

This event is open only to graduating seniors of the Pforzheimer Honors College and each senior may invite two guests.

WRAPPING GIFTS FOR UNDERPRIVILEGED CHILDREN

BY DIANA CAVALLO



Honors students exhibiting team work in wrapping the hundreds of gifts for children.

Pforzheimer Honors College students teamed up with the Golden Key International Honor Society members to get Pace into the holiday spirit. They wrapped 226 presents on Tuesday, December 1, 2009, and turned Gottesman room into a holiday workshop.

The gifts, wrapped with good intentions and decorative

bows, were not to be given to each other or their loved ones, but to the children of the Pleasantville Cottage School and the Dobb's Ferry Children's Village. The students worked together to wrap holiday presents for the boys and girls of these communities and send season's greetings messages in handmade cards.

Ms Candida Fitts, the Director of Volunteers at the Children's Village, spoke to the crowd before the wrapping commenced. She expressed how grateful she and her

organization are for the Honors College students' willingness to help these underprivileged children during such a special time of year. Ms Fitts's therapy dog, Savannah, also made an appearance at the event and brought smiles to the faces of Pace students, who were unknowingly creating the future smiles of children in need. (Please see the letter from Ms Fitts on page 11)

The gifts covered in snowflake wrapping paper, with bows and ribbons, were placed in trucks that would deliver them to their soon-to-be owners. What, in essence, may be only a toy wrapped mere paper and scotch tape, would be the highlight of a child's holiday season. All Pace students involved gained more than the knowledge of gift wrapping that day--they also experienced the beauty of helping others.



Gifts during the holiday season bring smiles to all, even those wrapping them.

HONORS YOGA WORKSHOP

BY EMMANUEL RAMIREZ

When finals were approaching last December, it would be safe to say that stress was creeping through the students' bodies with the sole intention of crippling their minds. Aching for something to combat this stress, a student will search various means that prove counter-productive. Thankfully, the Pforzheimer Honors College opened its arms and put forward a lending hand.

On December 3, 2009, the Pforzheimer Honors College hosted a yoga event in the Goldstein Fitness Center. Usually, just the thought of bending my body into any yoga pose would stress me out! But on the contrary, yoga put my body in a deep relaxation, a pleasure my muscles have never felt before. Many students from the Pforzheimer Honors College attended the event, giving yoga a try for the first time in their young lives. Even the faculty advisor, Christopher Walther, gave yoga an opportunity to combat some of his own



Yoga provided some much needed stress relief for all students.

stress!

Writer Melanie Haiken once said, "Concentrating on poses clears the mind, while focusing on the breath helps the body shift out of fight-or-flight mode." I am sure that every student engaged in the yoga workout would agree with Ms Haiken and what she had to say about yoga. Having a great instructor also helps immensely, and Ms Laurice Nemetz could not have done a better job. Filling the mind of each and every student in the room with confidence, she enabled many of us to conquer a common fear: that we lack the ability to accomplish something new

Overall, the students battled their stress, but what made the event even more meaningful was the fact that if anyone in that room had felt any sort of melancholy prior to the event, for forty-five minutes, that feeling was gone, and for forty-five minutes peace was within an arm's reach.



Honors students concentrating on keeping their balance.

DECORATING THE PLEASANTVILLE COTTAGE SCHOOL

BY HANNAH TALL



Windows were just one of the many areas of the cottages that were decorated.

On Saturday, December 5, 2009, Pace University students from the Honors College as well as those recruited by the Center for Community Action and Research, traveled to the Pleasantville Cottage School (PCS) to volunteer. The goal of the day was to help the youth of the PCS decorate their cottages in time for the holiday season. Pleasantville Cottage School is a residential treatment facility for children with emotional and behavioral problems. More often than not, these children come from homes and situations where they were unwanted and their

problems did not receive proper attention and help. Our mission was to spend some needed quality time with the children and teens, as we helped them create the holiday aura in their cottages.

Pace students helped to decorate four cottages. Everyone had a hand in how the cottages were decorated. Pace students helped the children wrap doors and cabinets to resemble gifts.

We also hung stockings, window stickers, and ribbons and made signs to hang up. Students displayed their artistic sides during this event as one cottage made a fireplace together. We also decorated and hung stockings with the names of the children in each cottage. We spent about two hours at the PCS and it was definitely a fulfilling experience.

Although most of us only volunteer a few times a year, our presence means a lot to the populations we serve. I strongly feel that participating in this year's Holiday Decorating service event, encouraged some students to become more involved in service projects. If nothing else, we definitely helped to bring some holiday cheer to the residents of the Pleasantville Cottage School.



The artistic and creative sides of both the PCS and the Honors College students were displayed.

GOLDEN KEY GRANTED 2009 CHAPTER SERVICE AWARD

BY CHRIS UHLICK



This past December, Golden Key International Honour Society, Pace Pleasantville chapter, received the 2009 Chapter Service Award. The annual Chapter Service Award is one of many ways in which Golden Key helps student members realize their potential. The Chapter Service Award subsidizes a chapter's ability to offer outstanding service to the community.

All of the 365 campus-based chapters across the world are eligible to apply for the Chapter Service Award, but only ten outstanding chapters are selected to receive this honor. Pace University was selected from a pool of eligible chapters to receive a \$1,000 award.

Golden Key provides academic recognition to top-performing undergraduate and graduate students. Members participate in leadership development opportunities, community service, and career networking, and are eligible for member-exclusive scholarships. Faculty advisors and student leaders are volunteers who work hard to support Golden Key's mission.

"It is only fitting that the chapter at Pace University is recognized by Golden Key," commented John W. Mitchell, Golden Key's Chief Executive Officer. "Our members are inspired and motivated not only to achieve exceptional academic accomplishments, but also to make a positive impact on our

world through the Society's commitment to service."

Golden Key recognizes and encourages scholastic achievement and excellence among college and university students from all academic disciplines. The Society provides campus and community service opportunities that enable personal growth and leadership development, as well as collaborating with university faculty and administrators to develop and maintain high standards of education.

This award means a lot to our chapter because it recognizes our accomplishments in community service. We believe that civic engagement is an integral part of the college learning experience. As students of a private university, we are fortunate to have the opportunity to receive an outstanding college education and we feel that it is our obligation to provide help to others who may not be as lucky. One way that we have incorporated community outreach and service into our chapter is to work with a local residential treatment center, the Pleasantville Cottage School in Pleasantville, NY. When planning events for the Pleasantville Cottage School children, we try to provide fun and educational programs that will brighten their day. Over the last several years, we have not only spent time with these children, but we have also become role models and friends. We plan to use the funds from this award to further aid in planning more amazing service events with these children and attend a regional/international Golden Key Conference to teach others they can do exactly what we are doing within their chapters.

STUDENT SHOWCASE

BY CHRIS UHLICK

The purpose of the Student Showcase is to let Honors students know about fellow Honors College students who demonstrate leadership both at Pace University and in the real world. If you would like to nominate yourself or someone else for a Student Showcase, please e-mail Prof. Christopher Walther at CWalther@pace.edu with an e-mail address and telephone number for yourself or the person you are nominating. Please state why this person should be showcased.

Melissa Muckle



Melissa's future gives her plenty of reasons to smile.

Many students wonder what they are going to do after they graduate, but Melissa Muckle has a firm grasp on all those details. This 22-year-old Wolcott, CT, native will be a Staff Accountant at PricewaterhouseCoopers after she leaves Pace University. Melissa has the luxury of having a full-time job waiting for her because she interned with the firm through the help of the CO-OP and Career Services here at Pace.

Pace landed such an accomplished student because of the reputation the Accounting program has here. Melissa knew she wanted to study Accounting and found out that Pace's 5-year

Masters Program is extremely well-regarded. Currently, Melissa

is completing the Masters in Public Accounting, while also minoring in Math. In order to keep her accounting skills sharp, she holds a position at Stolt-Nielsen as a Treasury Intern.

The Honors College was another reason that Melissa decided to come to Pace. The incentives that Honors provides, as the laptop, the extra scholarship, better classes, and the ability to pick classes before other students, helped make Melissa's decision easier. Melissa also enjoys the Honors College events; her favorite event was the Shrek Musical on Broadway.

When not working or studying, Melissa enjoys spending time with her friends up at the Townhouses, where she currently resides. Living in the Townhouses has been Melissa's favorite experience at Pace because of the bonds she has formed with her housemates and neighbors. She remains active by playing volleyball, which she played throughout her high school years. Another way she relaxes is by watching movies, her favorites being "Four Brothers" and "The Holiday."

After she completes her five years at Pace, Melissa plans to move to Stamford, CT, so she can be closer to her future office at PricewaterhouseCoopers. She also will seek to earn her Certified Public Accountant license.

Federico Younes

Federico Younes is not your typical 21-year-old Honors College student. This young man comes from Quito, Ecuador. Federico was introduced to the thought of studying abroad because Mr. Jose Infante, from Pace's Welcome Center, visited his high school and kept in touch thereafter. It was through this contact that Federico decided to apply to Pace-- despite his parents not being too happy about having their son live in another country for at least four years.

The Computer Science program was another reason that Federico came to Pace. He is majoring in Computer Science with minors in Math and Business. It is not surprising that he is a Computer Science major, especially considering his passion for video games, sci-fi, and he builds computers, for fun!

Aside from his love of technology, Federico enjoys music and being around his fraternity brothers of Alpha Phi Delta. His involvement in Alpha Phi Delta is his favorite experience at Pace because of the friends he has made. APD also helped Federico adjust to living away from home. When reflecting on being away, he says, "Having to detach yourself from everyone you know and from the place where you have lived for so long, takes a while, but it is an incredible learning experience."

Federico has also met many people thanks to the Honors

College. Community service is another passion of Federico's and the Honors College has given him plenty of opportunities to do just that. He also does not mind being given free ice-cream or any of the other foods that are supplied at Honors events. His favorite ones include Wrapping Gifts for Underprivileged Children and the trip to Six Flags.

Come time for graduation, Federico plans to stay in the U.S. and work. His work experience features being an Associate Software Engineer at Link Technology in Valhalla. He has also interned at The Dannon Company which provided him with the experience of seeing Los Angeles, CA for a week.



The Honors College has contributed to Federico's enjoyment of his time spent in the U.S.

STUDENTS USING THE HONORS RESEARCH GRANT

Students in the Honors College are encouraged to apply for the Honors \$1,000 Research Grant to conduct their own research projects and to present them at the Honors Independent Research Conference held every spring. This year, the conference will be 6:00-8:00pm on Thursday, April 29. Here are some of the exciting research projects that students in the Honors College are working on right now.



Standardization v. Localization: A Case Study

Amanda Amos

This project studies the standardization and localization of Coca-Cola products in eight countries visited on a Semester at Sea: Spain, Italy, Croatia, Greece, Turkey, Bulgaria, Egypt, and Morocco. I will compare and contrast the product, place, promotion, price, and cultural adaptation of Coca-Cola.

Standardization is the tailoring of marketing so that all individuals are satisfied with a product. The use of standardization reduces costs to consumers and is typically applied for mass consumption. Localization, on the other hand, is the tailoring of marketing according to specific individuals. The use of localization is more expensive and typically applied on high margin products.

Product is the tangible object, place represents the product's location of purchase, promotion occurs through advertisement and all that associates with public relations, and price reflects how much the consumer is paying for the product. Cultural adaptations include changes in any of the previously listed aspects of the marketing mix due to cultural needs.

Included in my project will be a visit to the Coca-Cola plant in Morocco and research and analysis of international techniques Coca-Cola utilizes in order to maximize profit, satisfy consumers, and efficiently integrate resources. Some factors attributed to these successes include demographics, competition, cultural changes, technology, and lifestyle. By studying a company's environment and behaviors internationally, conclusions can be drawn regarding its international marketing success.

Amanda is working under the guidance of Dr. Pradeep Gopalakrishna.



A Survey of Aquatic Invasive Species in the Greater Upstate New York Region, and Possible Low Cost Methods of Removal and Control

Matthew Hartog

Invasive species are a constant threat to biodiversity and ecological stability. Nowhere is this threat more apparent than in the state parks and waterways of upstate New York. Invasive aquatic plants clog and disrupt lakes, rivers, and ponds, rendering them useless for recreational purposes and impossible to navigate. It is through studying their unique adaptations and growth trends that it may be possible to disrupt their life cycle in an attempt to gain a foothold towards ousting these non-native species.

This study focuses specifically on the zebra mussel, eurasian watermilfoil, and the water chestnut. These invasive species are more than a recreational nuisance as they can also damage key points of infrastructure, such as dams, lock systems, and other underwater concrete and metal structures. In this study, I explored firsthand the ecosystems affected by these creatures and analyzed how their collection of unique adaptations allows them to defeat each method of control aimed at their removal. The most basic adaptation possessed by these creatures is an alarming growth rate. In one area, water chestnuts were able to infest over 13,000 square feet a day.

Furthermore, the implications of their adaptations, in concert with the theory of evolution, are examined. The contradictory view of maintaining, or increasing, biodiversity while supporting the concept of evolution is discussed.

Dr. Joshua Schwartz will be the mentor for Matthew during his research.



Functional Anatomy and Kinetics

Brandon Lentine

This research project combines the art of yoga and pilates practices with the medical science of the body and its anatomy. My major field is Biology and Health Sciences as a preparation for studying medicine and entering the field of sports medicine. I have practiced yoga and pilates for a few years and am currently studying under

Professor Nemetz. Advanced biology classes and advanced yoga classes draw lines between the art and science of the body.

I will research more deeply into how the body works by enrolling into the Functional Anatomy for Movement and Injuries workshop at Mt. Sinai Medical School in Manhattan. The program is a four-day immersion into the human body, instructed by Mt. Sinai Medical School's physicians as well as physical therapists, yoga and pilates instructors, dance educators and massage therapists. The course involves lectures, clinical perspectives, cadaver prosections, an analysis of the body and comparison of medical imaging technology and a panel discussion of controversial medical topics with emphasis on integration and application. Each day is focused on a different region of the body starting with the vertebral column, upper extremities, lower extremities, and pelvic floor combined with the abdominal wall.

Brandon will be working with Dr. John Horne during his research.



Phosphatase Nuclear Targeting Subunit (PNUTS) is phosphorylated by AKT kinase

Brittany Perry

Phosphorylation of the tumor suppressor protein, Retinoblastoma (Rb) is associated with a highly proliferative state of the cell and cancer. Rb phosphorylation state is partly controlled by the activity of Protein Phosphatase 1 (PP1) which is regulated by Phosphatase Nuclear Targeting Subunit (PNUTS). It is likely that PNUTS plays a role in cell survival and/or apoptosis because siRNA mediated knockdown of PNUTS causes apoptosis in breast and colon cancer cells. This occurs through activation of PP1 phosphatase activity toward Rb which leads to Rb dephosphorylation which can trigger apoptosis. Here we show that PNUTS may be regulated by the PI3K-AKT pathway which has been shown to be involved in many cellular functions including proliferation, growth and survival. In addition, signaling in this pathway has been shown to be disrupted in several cancers. In response to a sub-lethal dose of UV radiation of HCT116 colon cancer cells, activation of the AKT kinase occurs, with phosphorylation of known AKT substrates GSK-3 and mdm2 observed. Phosphorylation of Ser473 of AKT further verifies AKT activation. Under these conditions PNUTS is phosphorylated by the AKT kinase. Inhibition of PNUTS phosphorylation occurs when cells are treated with the LY294002 PI3K-AKT pathway inhibitor. Thus PNUTS is a putative substrate of AKT, and may play an important role in the survival of cells in response to stress.

Brittany is working with Dr. Nancy Krucher during her research.

AMERICA'S "SWEETHEARTS"

BY CHRIS UHLICK



The New England Confectionery Company, better known as NECCO, produces one of the most recognizable candies, the "Sweethearts Conversation Hearts." This candy has become a staple in celebrating the holiday known as Valentine's Day. The candy has become so famous that in 2004 the U.S. Postal Service issued a stamp featuring two "Sweethearts" candies on the "Love Stamp." Over eight billion of these message-bearing little hearts are made each year to meet the demands of its customers.

The simple formula of sugar, corn syrup, gelatin, gums, coloring and flavoring has never been changed, nor has the process of stamping the sayings and cooling the candies. This results in a consistent satisfaction to NECCO customers. But there is more to the "Sweetheart" candy than just a recipe.

Before the candy became a huge seller, the concept came from a candy made during the time Abraham Lincoln was in the White House. The "cockle," which was a small crisp candy in the shape of a scallop shell. Because the tasty treat contained a rolled up colored piece of paper with a motto on it, the cockle was the inspiration for the "Sweetheart" candy.

Around 1866, Daniel Chase, brother to NECCO founder Oliver Chase, discovered a way to print the words directly onto a piece of candy. He did this through a machine that had a felt roller pad moistened by vegetable coloring and then pressed against the die. The die would print the words onto the paste and then the machine would cut it into shape.

The form of "Sweetheart" candies that people know and love today can be traced back to 1902. But hearts were not the

only form of message-carrying candies that were made. Also produced were baseballs, postcards, horseshoes, and watches.

Although the candies are enjoyable, the sayings on them are what make them so appealing. Original sayings like "Kiss Me," "Be Mine," and "Be True" are still used today. The reason that other originals are no longer used is because during the 1990s it was decided that new sayings would be introduced each year and some older ones would be retired. The new sayings are created to keep up with the times; thus hearts reading "E-mail Me" were created. Also, given the small amount of space allowed for the words, creative ways to say things have been produced, such as "EZ 2 Love." When devising new sayings, a specific theme is used. For example, in 2007, when the concept was dedicated to pets, sayings read "Cool Cat," "Puppy Love," and "Purr Fect."

NECCO receives an abundance of suggestions each year from customers to help create new sayings. This has also sparked the possibility for a person to have "Sweethearts" custom-made. This has opened the door for people to use "Sweethearts" as a way to propose marriage, as well as to convey other messages to their loved ones.

The colors and flavors of the candies are Pink=Cherry, Yellow=Banana, Orange=Orange, Green=Lemon, Purple=Grape, White=Wintergreen, and Brown=Chocolate.



DEALING WITH COLLEGE BREAK-UPS

BY DIANA CAVALLO



situations; a course for which there is no textbook or syllabus is commonly called Dating 101. Those who have already taken this course may be inclined to share tokens of their newfound wisdom, tenets to live by during this grand learning experience such as, *"if someone you love hurts you, cry a river, build a bridge, and get over it."* This one simple sentence can be the medicine to healing the ever-powerful broken heart. Surprisingly, the most important word in this phrase is "you."

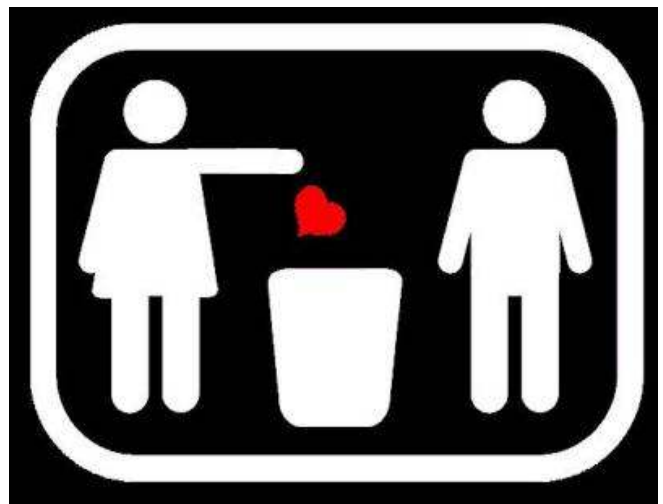
Let's start from the beginning-- you meet someone who is "perfect" for you, and after you have overcome the fear of exchanging numbers and Facebook requests, you are dating and in a relationship. This, of course, is the best part, where smiles and quick butterflies are a constant, and soon a normal day consists of seeing "Mr. Perfect" between classes and spending virtually all of your free time together-- until you don't remember what days were like without him. Then, by force of a catalyst or plainly out of nowhere, you are hearing the words, "It's just not working out," or perhaps saying them yourself. It's an unseen pop quiz in this seemingly "easy A" class that you're certain will ruin your grade and the rest of the year. However will you mend this wrong, and realize that college, and learning itself, is about more than one bad experience, "grade," and night spent crying?

The answer starts with you; getting "over it" is a process. In the beginning, Kleenex, binge eating, or punching holes in walls, may be your solution, your best friend. Whichever way you prefer, let yourself feel sad, lonely, confused, and miserable. Don't fight the way you're feeling or try to hide it. Ignoring and bottling up these overwhelming feelings just prolong the process.

From orientation to your first class, you're told that college is all about experience. It's a place where you will experiment in all fields of "learning," where you will ultimately find yourself somewhere between classes, extracurricular activities, and your first "real job." But often your professors, mentors, and parents neglect to mention that in this place of higher learning, you will be exposed to new people and

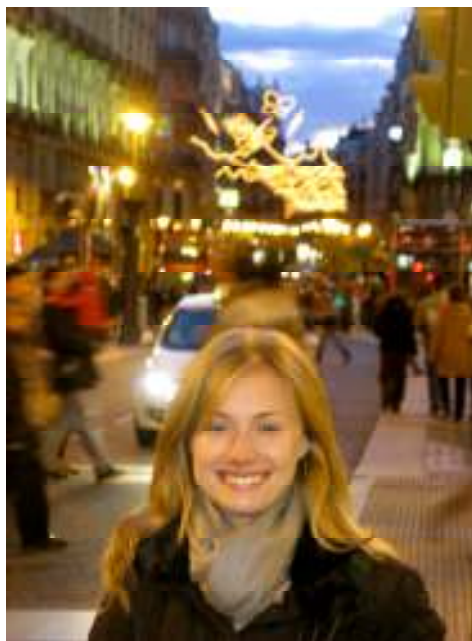
Acknowledging the hurt and letting it burn is normal stage one material. Once done crying, at least momentarily, you might find yourself trying to figure out ways to undo it, to turn back time and find the glue that will hold you both together. The "what ifs," and hours of venting sessions with your roommates, will still leave you without a concrete solution and only the reality that it IS over. The feelings of frustration and failure are prominent in the second stage, where sad became mad.

Mad at yourself, at the former "Mr. Perfect," and even at the unsuspecting world. You then begin to miss who you were before the entire relationship. You need a way to channel everything from sad to mad, to a place with a new train, cleansed of bad memories-- the "bridge" in the earlier quote, to help us move out of this slump. With the time that you would have spent with them before the breakup or being upset over it now, you can work on the most important person in this whole scenario-- YOU. Join a campus club or organization, improve your GPA, or actually go to the gym instead of complaining about the Kessel food that has taken new residence on your old abs. Keeping yourself busy with positive engagements will keep the past out of sight and out of mind. You'll meet new people who show you that your definition of perfection has changed with time, as you have. Once you find yourself laughing at the wasted nights crying, you'll know that you've crossed the bridge and are officially Over It. While the memory of the entire affair isn't completely erased, you've reached a point where you can appreciate all you learned from it-- a very worthwhile class. You didn't need anything or anyone else to help your situation; all you needed was yourself.



HONORS STUDENT STUDIES ABROAD: SPAIN

BY JESSICA WADE



Jessica enjoying the Holiday Season in Puerta del Sol, Madrid.

As a sophomore, I decided that during my junior year, I was going to study abroad through ISA (International Studies Abroad). I chose Spain since I was familiar with the language, and wanted to improve my ability to speak and understand, in turn expanding my communication skills. After months of anticipation, apprehensive thoughts, and

preparation, I landed in Madrid.

Exhausted, overwhelmed, feeling nauseous, and painfully aware that I was not so familiar with the Spanish language after all, my first week was not easy and I found myself longing for home. But remembering why I came to Spain in the first place, enabled me to take it all in stride.

Each day, I rode the metro and walked 15 minutes to Universidad de Nebrija, where I studied Spanish language,



Jessica and the rest of her ISA group while exploring Spain.

culture, civilization, and architecture; however my greater education came from my interactions with my *senora*, her family and friends, my professors and directors, and my intercambio. It was through these people and venturing into the city of Madrid that I quickly became a part of their particular European lifestyle.

Not all of my time was spent studying and learning about my new surroundings. Accompanied by friends I made in the group, I would enjoy going to Tapas restaurants to get small appetizers after class. We also would spend time relaxing in the nearby park, Retiro. I was even able to see a Real Madrid futbol game and I sat front row! It was great seeing such a premier futbol team so close, and of course they won 3-0!

While it took time to adapt to culture contrasts, I grew to like them. I was so immersed in my experience that the journey passed by all too quickly. Now that I have returned home, I have a stronger case of culture shock than when I first arrived in Spain.

Studying abroad is far more than simply getting credits in a foreign country; it's about taking yourself out of your comfort zone and learning more about this great world we live in. Going abroad provided me the opportunity to network with people from all over the world, and to travel through Spain and to other countries. I am grateful that I had the chance to study abroad and I look forward to sharing my experience with people, so that they, too, may set out to explore Spain and its entire cultural and architectural splendor.

I would be interested in doing another program such as this. Other places I would like to visit are Italy, Greece, Ireland, and even another city in Spain--because I loved it so much when I was there. Either way, I plan to see these places at some point even if I do not earn college credits for it.



Jessica at the House of Gaudi in Barcelona.



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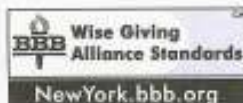
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December 28, 2009

Dr. Benton & Prof. Chris Walther
 Pace University
 861 Bedford Road
 Pleasantville, NY 10570

Dear Dr. Benton & Prof. Walther,

Thank you very much for coordinating a fantastic Holiday Gift Drive for The Children's Village. The Pace Honors Program's generosity this time of year is gratifying. The wonderful assortment of over 100 toys helped us spread some holiday cheer to so many. We are delighted with the project's success, and are grateful for all the hard work you and your students put in for our cause.

The season is particularly tough on our youth. With your support, we have made their holidays as joyful and enjoyable as possible. Each child received at least one gift from his/her wish list. Groups participated in fun off-campus activities – snow tubing, dinners, bowling, or the movies. Most of our residents were unable to go home. We provided them with additional gifts so they would have something to unwrap on Christmas morning.

Kindly extend our gratitude to everyone who participated and contributed. On behalf of The Children's Village, I wish you and your families a happy and healthy 2010.

Yours sincerely,

Candida T. Fitts, CVA
 Director of Volunteer and Academic Services

No goods or services were provided in return for this contribution.

Thank you!

**Questions? Comments? Advice?
Feel free to contact our office:**

*3rd floor,
Mortola Library
Pleasantville
Come visit!*

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Director of Honors

Janetta Rebold Benton, Ph.D.

Monday 1:00-5:30pm
Tuesday 1:00-5:30pm
Thursday 1:00-5:30pm
Friday 1:00-5:30pm

Honors Advisor

Christopher Walther, M.S.

Monday 9:00am-5:00pm
Tuesday 9:00am-6:00pm
Wednesday 9:00am-2:30pm
Thursday 9:00am-5:00pm
Friday 9:00am-5:00pm

Out to Lunch...



With your professor, that is! Somewhere between McDonald's and Tavern on the Green... is the chance to take your Honors professor out to lunch, on us! Contact the Honors Office at (914) 773-3848 for more information.

Visit the Honors Study Room



Couches, computers, and an array of snacks fill the Honors Study Room. If you're in the library to study, why not take advantage of these facilities? The Study Room is open when the office is open, so stop by and chat with Dr. Benton, Professor Walther, or the Honors College staff before studying. The Honors Scrapbook is also on display! Check it out! Now!



**Scholastica
is online!**

Visit www.pace.edu, select the letter H in the A-Z Index, and then click on Honors College-or- Type in http://appserv.pace.edu/execute/page.cfm?doc_id=7608 to your browser



Did you know....

Taking a foreign language course at the 280 level or above counts as an Honors course?



In order to receive Honors credit in an Honors class, students must have a final grade *no lower* than a B- for the class!



**Welcome Back
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Good Luck This Semester!