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April 13, 2015 Volume 109, Issue 23



Project Rwanda honors anniversary

BRIAN WALSH Staffwriter

Lasting 100 days, from April 7 to mid-July 1994, and claiming nearly one million lives, the Rwandan Genocide still pervades people's memories. The event marked its 21st anniversary this past Tuesday. A conflict between two groups, the Hutu and Tutsi, the genocide marred the country in many ways for years to come. Students at Carnegie Mellon donned silver and gray ribbons in memoriam of those who lost their lives, a tradition that lasts a week in Rwanda each year. Carnegie Mellon's student group Project Rwanda organized the day's event.

Project Rwanda started in 2010 with help from Assistant Director of Student Affairs M. Shernell Smith and Assistant Dean of Student Affairs Renee Camerlengo.

It is a "student guided initiative," according to its project narrative, and remains one of Carnegie Mellon's only philanthropic initiatives in Africa. The overall goal of the project is to help Rwanda strive for a more knowledge-based economy: a goal relevant to Carnegie Mellon's campus in Kigali, Rwanda.

As the connection between Carnegie Mellon's Pittsburgh campus and Carnegie Mellon's Rwanda graduate campus grows, the prevalence of Project Rwanda's initiative

continues to grow as well. Junior computer science major Ben Plaut chose to place the ribbon on his backpack. "It is great that the organization is spreading awareness about this, because there are so many things that students at Carnegie Mellon aren't aware

of," Plaut said. Awareness is exactly the



Project Rwanda tabled outside Doherty Hall and in the Jared L. Cohon University Center last week, handing out gray and silver ribbons to raise awarness of the anniversary of the Rwandan genocide and their ongoing work at Carnegie Mellon's Rwanda campus.

goal of this initiative, and not just awareness for the atrocious event 21 years past, but the current thriving nation of Rwanda. Second-year master's candidates Josephine Mukesha, a Rwandan native, and Ivy Wainaina, a Kenyan native, found the Project Rwanda organization important for the Carnegie Mellon campus. "If you don't talk about it, then you aren't giving

values to the one million lives that were lost," Mukesha said on the importance of discus-

sion in memoriam. The ribbon project acts as a first step in learning about Rwanda's genocide and postgenocide reconstruction. "It happened 21 years ago. So much has happened after that: Rwanda is working to rebuild the country, and some outside people are still in the

mindset that it happened yesterday," Mukesha said.

Rwanda now leads most African countries in innovation and education. "If you go to Kigali now, it looks nothing like what the videos would show you of genocide. It has good infrastructure, LTE, free laptops for children. If you think of innovation in Africa,

See AWARENESS, A3

UHS proposes changes in Aetna insurance options



LAURA SCHERB Publisher

Members of University Health Services (UHS), initiated an attempt to make rapid, last-minute changes to the Carnegie Mellon and Aetna joint insurance policies, prompting discussion on campus and an impending announcement.

During the latest round of negotiations and yearly contract renewal from Aetna, Carnegie Mellon's insurance provider, UHS Business Manager Phyllis Lombardi noticed some worrisome changes. "The rates were much higher because of a phenomenon called rate parity," Lombardi said. "It really caught me off guard — the rates went up between 13 and 24 percent."

According to Lombardi,

dependent rate parity indicates that the rates charged to the dependents of student subscribers of the insurance must not exceed the rate charged to the subscriber.

Because everyone — including subscribers, spouses, and dependents — is covered by these plans, the extra costs of the extra coverage becomes a burden on everyone who buys insurance, even if they themselves do not have dependents on the plan.

In order to cover those costs, the price of insurance packages had gone up, far past the 15 percent increase cap that Carnegie Mellon and Aetna Insurance had agreed upon. "Across the board, across the country, health insurance costs have gone

See INSURANCE, A4

Diversity forum highlights campus needs and goals

BRIAN TRIMBOLI Editor-in-Chief

Carnegie Mellon is in the process of finalizing its 2015 Strategic Plan, a series of strategies that will guide university policy for the next decade. The Plan is organized into three main pillars: Transformative Teaching and Learning; Transformative Research, Creativity, Innovation, and Entrepreneurship; and The Transformative CMU Experience. Senior global studies and Hispanic studies double major Juan Acosta noticed something missing, however, after attending the most recent Strategic Planning

town hall event: diversity. Acosta wrote an opinion piece for the March 23 issue of The Tartan voicing his discontent. Last week, Acosta hosted two studentled diversity forums - one on Thursday and one on Friday - hoping to come away with a set of tangible strategies that the university can implement.

"All the pillars are supposed to have diversity woven into them, in one way or another," Acosta said in the introduction to Thursday's forum, hosted in Baker Hall's Giant Eagle Auditorium. "So at this meeting, it was clear to me that there was a lack of commitment to diversity in the presentation that was delivered, and it lacked a lot

See DIVERSITY, A3

Tobacco-free campus policy approved

BRIAN WALSH Staffwriter

The future looks dim for smokers on campus. On Thursday, the Undergraduate Student Senate approved a proposal banning tobacco wholly from campus. Yet, proponents of banning tobacco products aren't necessarily smoking the

competition. proposal The passed through Senate with 15 in favor, 13 against, and one abstaining senator. Now, the policy has to make its way through Graduate Student Assembly, Faculty Senate, and Staff Council.

Afterwards, University President Subra Suresh must sign off on the policy taking effect. If all the pieces fall into place, and the policy does take effect, tobacco use will be banned on campus entirely.

According to the draft of the proposed policy, "Smoking and use of other tobacco products is prohibited by students, staff, faculty, and visitors in all university buildings, facilities

The policy continues to define a "tobacco product" as "any type of product contain-

"Smoking and use of any type of product containing, made, or derived from tobacco that is intended for human consumption and ingested by any means by students, staff, faculty, and visitors in all university buildings, facilities, or property owned, leased, or operated by Carnegie Mellon University [will be] prohibited."

— Proposed Smoking Policy

or property owned, leased, or operated by Carnegie Mellon University, including campus grounds and outside areas." gested by any means."

ing, made, or derived from tobacco that is intended for human consumption and in-

The proposed policy does make concessions for e-cigarettes, the health effects of which are still debated.

As a result of this, the policy prohibits campus community members from using e-cigarettes or vaporizers indoors, but allows their use outdoors.

Beginning with a rationality statement, the policy itself relies heavily on the example set by over 1,000 other universities that have already banned tobacco from campus.

"We believe that making a campus tobacco-free is considered the gold standard of health," Dean of Student Affairs Gina Casalegno, who sits on the smoking policy review committee that wrote the policy, said of the policy.

Mainly focusing on the health of Carnegie Mellon community members, the policy seeks to aid not only bystanders, but current users

See SMOKING, A3

FEATURE PHOTO

Move on begins for Spring Carnival





Matthew Nielsen/Staff Photographer

Move-on for the 101st Spring Carnvial began last Friday, with participating organizations beginning booth construction on Midway. This is the final year that Carnival will be located in the parking lot behind Morewood Gardens; Booths will be located in the College of Fine Arts parking lot next year.

Campus Crime & Incident Reports

Alcohol Amnesty

Apr. 4, 2015

University Police and CMU EMS responded to Morewood E-Tower regarding two separate calls of Alcohol Amnesty at two different locations and times. Both calls met the criteria for Alcohol Amnesty. Therefore, no citations were

Suspicious Person

Apr. 4, 2015

University Police responded to a report of a suspicious person in the lobby of Webster Hall Apartments. Because the area is private property and the male had no legitimate purpose for being in the area, he was directed to leave the area after he was identified.

Domestic Situation

Apr. 4, 2015

University Police arrived first on scene to a report of a domestic situation at the Park Mansions on the Frew Street Extension. Officers were advised that the complainant's father physically assaulted her and then left the scene. The Pittsburgh Bureau of Police was summoned to take additional information and proceed with the investigation.

DUI Arrest

Apr. 5, 2015

A University Police officer on patrol observed a motorist driving at a high speed. After the driver proceeded to drive erratically, a traffic stop was initiated. The driver was confirmed to be intoxicated and was subsequently placed

under arrest for driving under his late 20's to early 30's, with the influence.

Underage Drinking

Apr. 5, 2015

A University Police officer observed a female student face down on the sidewalk near the intersection of Forbes and Morewood Avenues. Police summoned medical assistance. The female student was confirmed to be under the legal drinking age and is being cited for the violation.

Suspicious Activity

Apr. 9, 2015

A student filed reports with University Police and the Pittsburgh Bureau of Police regarding a male of Middle Eastern European descent in

a scruffy beard, black short hair and bushy eyebrows operating a four-door, silver or gray, older model vehicle pulling beside her as she walked in Shadyside.

The male stated "Get in the car," during one encounter and drove slowly at her pace as she walked on the street. Several days later, the student saw the vehicle again, which drove suspiciously as she walked in Shadyside. The student was advised to contact police immediately if the unidentified male is seen again.

NEWS IN BRIEF

CMU places fifth in Putnam Competition

Announcements of the results for the 2014 William Lowell Putnam Mathematical Competition have revealed an impressive outcome for Carnegie Mellon. The Carnegie Mellon University team, consisting of junior science and humanities scholar Linus Hamilton and sophomore mathematical sciences majors Thomas Swayze and Samuel Zbarsky, won fifth place, marking the team's fourth consecutive year to place among the top five. In addition, 55 individual Carnegie Mellon students placed among the top 507, the second most of any university.

On Dec. 6, 2014, 4,320 American and Canadian undergraduate students gathered from 557 institutions, including a strong showing of 205 students from Carnegie Mellon, to participate in the 75th William Lowell Putnam Mathematical Competition, often simply referred to as the Putnam Competition. Administered by the Mathematical Association of America, the famously challenging examination is considered the premier mathematics contest for undergraduates.

According to the release, John Mackey, associate head of the Mathematical Sciences Department, stated, "We are tremendously proud of all the Putnam participants, including their coach [assistant professor of mathematical sciences Po-Shen] Loh, for their skill, spirit and determination. For us, this is more exciting than the NCAA Basketball Tournament. It's our December and March Madness!"

Those on the team and who placed in the top 21 are part of Carnegie Mellon's Knaster-McWilliams Scholars program, a scholarshipsupported and honors program that features increased access to faculty and early research opportunities. It is funded through the generosity of a physics alumnus and mathematics and electrical engineering alumnus.

Each member of the university team will receive a \$200 cash prize, and Carnegie Mellon's Department of Mathematical Sciences in the Mellon College of Science will receive \$5000.

PSO flautist to join School of Music Faculty

This fall, Carnegie Mellon University's School of Music will welcome a new member to its faculty, Lorna McGhee. McGhee is currently the principal flute of Pittsburgh Symphony Orchestra, and will serve as an artist lecturer at the School of Music.

McGhee was previously co-principal flute with the BBC symphony in London, and has performed as guest principal with world-renowned orchestras such as Chicago Symphony, London Symphony, and Academy of St. Martin in the Fields. As a soloist, she has performed concertos with the London Symphony, BBC Scottish Symphony Orchestra, and Scottish Chamber Orchestra. <u>WEATHER</u>

Her principal teachers include William Bennet (Royal Academy of Music) and David Nicholson (Junior Department of the Royal Scottish Academy of Music and Drama).

Formerly, she was a visiting associate flute professor at the University of Michigan, an adjunct flute instructor at the University of British Columbia, and a visiting fellow in flute at the Royal Conservatoire of Scotland. In 2010, McGhee was named an honorary "Fellow of the Royal Academy of Music."

> Compiled by **DEBORAH CHU**

TUESDAY WEDNESDAY **THURSDAY**







69° / 41°

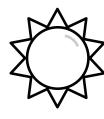
FRIDAY

64° / 53°









71° / 52°

68° / 43°

68° / 49° Source: www.weather.com

Corrections & Clarifications

If you would like to submit a correction or clarification, please email The Tartan at news@thetartan.org or editor@thetartan.org with your inquiry, as well as the date of the issue and the name of the article. We will print the correction or clarification in the next print issue and publish it online.

Compiled by **BRADEN KELNER**

INTERNATIONAL NEWS IN BRIEF

New racially diverse Emojis arrive

is now available, and it comes with a new Emoji keyboard and additional supported languages for Siri and the rest of the platform.

The 300 new options on the Emoji keyboard allow the user to change skin tone, genders, hats, and more. The update includes six different skin tones or skin colors, 18 new family structures, and 32 new flags. Users can now scroll through a comprehen-

The Apple iOS 8.3 update sive list instead of tapping new categories to switch between types of Emojis (people, nature, food, transportation, etc). Apple also shows more Emojis on screen than

Source: The Guardian

Yemeni conflict escalates

Saudi Arabia continues to carry out airstrikes in Yemen. Saudi Arabia is the leading country behind airstrikes against the Iranian-backed Houthi movement in Yemen. Saudi Arabia accused Iran of providing military aid to the Houthi movement. Saudi Arabia extended its bombing campaign in order to stop the Houthi movement and its allies from dominating Yemen.

The Houthi continued their advance and have killed more than 500 people and wounded 1,700 in the past three weeks.

The insults and threats have raised fears of a Yemeni conflict that could further inflame the rivalry between Iran and Saudi Arabia. Houthi-allied forces have taken control of government offices in Ataq, the capital of Shabwa Province.

Source: The New York Times

U.S., Cuban leaders unite at Summit

U.S. President Barack Obama and Cuban President Raúl Castro were at the Summit of the Americas in Panama City on Friday.

Both presidents shared the stage symbolizing their countries, setting aside their mistrust and attempting to restore diplomatic relations.

The last time Obama and Castro met was at Nelson Mandela's memorial service

On Thursday, the U.S. Sen-

ate Foreign Relations Committee aide said that the State Department has now recommended that Cuba be taken off the list of state sponsors of terrorism.

Source: NBC News



April 13, 2015 « The Tartan thetartan.org/news » A3

Project Rwanda raises awareness with ribbons

AWARENESS, from A1

you should think Rwanda," Wainania said.

Many problems still exist in and around Carnegie Mellon Rwanda's Kigali campus, providing a unique problem-solving opportunity for Pittsburgh students. "The Rwandan campus can show the challenges that CMU students don't necessarily face. Africa is such a big market, and can give another perspective. So students can think of a problem from a different perspective, or see problems ban areas, technology is just as present and up to date as in the U.S., contrary to what some students may think.

"It's interesting to see some technological things that seem new here in the United States, but then to realize that we've had it for a long time. Take, for instance, paying money with your phone. That has been around in Rwanda for what feels like forever," Wainania said.

All these ideas for campus connection and understanding show the true idea behind Project Rwanda: People are

"To move forward, you need to remember the past, and you need to remember the pain to the point where it should never happen again."

— Josephine Mukesha second year master's student and Rwandan native

that you don't have here. So it gives students a global view, too," Mukesha said, marking the importance of intercampus connectivity.

Africa is modernizing itself, and Rwanda is no exception. "Africa is such a big market, and can give another perspective. So students can think of a problem from a different perspective, or see problems that you don't have here. So it gives students a global view, too," Mukesha said.

Mukesha emphasized that in many Rwandan urall people, and they should not be afraid to talk to each other and learn from others'

"Some people were in a family of twenty, and now it is just them. If you don't talk to those people, if you don't give them empathy for their pain, you can't go forward. To move forward, you need to remember the past, and you need to remember the pain to the point where it should never happen again," Mukesha said, a message very common about genocide, yet very often overlooked.

Student-run forums discuss diversity



Student Body Vice President-Elect Jibby Ayo-Ani, junior information systems major, participates in a discussion about diversity at Carnegie Mellon on Thursday in the Danforth Lounge in the Jared L. Cohon Univesity Center. Attendees broke into small groups for discussion, and then reconvened as a large group

DIVERSITY. from A1

of student detail. It also lacked a lot of student input, which is why I decided to host a student forum."

At the forum, students and faculty broke off into small discussion groups to work through a list of questions that Acosta had provided. The questions — including "What does the phrase 'transformative experience' mean to you?" and "How do you believe Carnegie Mellon can recruit qualified minority students and ensure they graduate on time?" — focused on diversity in the context of the Strategic Plan. After an hour of discussion, the groups reconvened to share what they had talked about.

Acosta worked with a small committee of students and faculty who, he said, came together after his piece was published in The Tartan. Acosta specifically credits M. Shernell Smith, assistant director of Student Affairs, for helping put together the forums. "We just came together to think, 'What's a way we can do something with this?' And the person who was really integral to putting this all together was Shernell," he said.

Smith emphasized the importance of student voices in conversations surrounding campus diversity, itself a diverse and complicated issue. "I think when you look at diversity, it is about who we have, but also what we do and what we have," Smith said. "It's not just about individuals; it's about diversity of thought and how we go about our thinking and how we go about our engagement."

Smith pointed to the many existing university initiatives that target diversity, including the Community Collage during orientation and this year's focus on Martin Luther King, Jr. Day as a "day on" to look at issues of diversity and race in America rather than just a day off from classes. Smith also advises Colors@CMU, a student organization just recently recognized by the university that organizes events meant to start conversations about diversity on campus.

The Office of Admission also hosted the Celebration of Diversity weekend this past weekend, an event designed to help prospective minority students feel included in the Carnegie Mellon community.

The Strategic Plan, Smith said, gives the administration and students a chance to look critically at how the university addresses issues of diversity. "It's everybody's issue, but also at the same time I think that we're in a place in which

we're looking ahead. The Strategic Plan allows for there to be evolution from where we've been; it allows us to look at where we could be and where we should be," she said.

"One of the things that President Suresh talks about a lot is that at the intersection of innovation is diversity," Smith said. "And so that comes forward not just in terms of numbers, but just in meaningful engagement and dynamics associated with the collaborative nature of what we talk about at Carnegie Mellon."

Scribes sat with each discussion group to take notes on the discussion and the ideas presented; Acosta and the committee who organized the forums are currently drafting a call to action for the university based on the discussions between students and administrators last Thursday and Friday.

Senate approves tobacco policy



Joanne Lo/Art Staff

SMOKING, from A1

and new users.

"We do care a lot about individuals who consume tobacco and wish to receive aid in cessation of those habits" Casalegno added last week in an interview with The Tartan.

Preventing people from starting and current smokers from continuing is a goal of the smoking policy review

The policy cites the Surgeon General, stating that smoking still exists as the "leading preventable cause of death in the United States" in its rationale for the policy.

Going forward, other organizations hold these arguments in mind when they put it to a vote. The GSA and Faculty Senate will consider the views of smokers as well in their upcoming votes on the

The population of smokers on campus is diverse, much like the population of Carnegie Mellon itself.

Over 20 percent of Carnegie Mellon's 13,000 students are from different countries, a significant portion of those students hailing from China or Korea.

In the international sphere, China and Korea as countries consume more cigarettes than the United States. Per capita per year consumption of cigarettes is 700 cigarettes higher and about 1000 cigarettes higher in China and Korea respectively, according to the Washington Post.

With such a significant number of students from abroad, and from countries that consume that much more on average, the Smoking Policy Review Committee has a

significant cultural hurdle to combat with the new policy.

Yet data from other universities which have banned tobacco shows a significant decrease in the number of users after a smoke- and tobacco-free policy is implemented on campuses.

Data from the Center for Disease Control and Prevention (CDC) shows a decrease in overall users in the United States of about 20 percent since 1965.

With CDC domestic figures, Pennsylvania still ranks eighth in smoking prevalence. On a dogmatic level, schools see this number decreasing with preventative measures just like the Committee's proposed policy.

The future of the policy is balancing upon whether or not the respective governing bodies buy into this vision.

Bike shop pops up for spring



Students and faculty alike gathered on Tuesday to participate in the pop-up Bike Shop outside of the Jared L. Cohon University Center. The shop serviced bikes and gave out information regarding safe biking to the campus community.



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A4 « thetartan.org/news The Tartan » April 13, 2015

Aetna insurance changes to be decided early this week

INSURANCE, from A1

up; everyone knows that and everyone hears about it everyday. Everyone is paying more, but this was way, way more than we expected," Lombardi said.

Lombardi began to investigate ways through which the university could help to cut the cost of insurance coverage for students, knowing that about 60 percent of the student body uses Aetna as their insurance provider.

"As it is now, students on the standard plan are subsidizing insurance costs for everyone, including the enhanced plan subscribers. I also know that the students on the enhanced plans are the ones who know they'll use it — they're chronically ill, they plan on needing to stay in the hospital, or they're pregnant and they know they're going to have a baby — so they choose the enhanced plan to cover that.

"About 75 percent of those students use their insurance because it's covered. But with the standard plan, students treat it as 'just in case' insurance, and 75 percent don't use it," she added.

Students who have the standard plan are often unable to pay the \$400 deductible, the 20 percent coinsurance, or the \$3,000 out of pocket maximum, according to Lombardi.

They simply can't afford it, so they don't use the plan. "After all of that, I thought, 'What if there was only one plan and only one plan that we had to subsidize dependents for?' Then I went to the Graduate Student Assembly [GSA], to the Undergraduate Student Senate, and to Gina [Casalegno, dean of student affairs] and to Michael [Murphy, vice president of campus affairs] to see how quickly people could be socialized to the plan."

The single plan program would feature just the enhanced plan as an option,

which would cost \$1,583 a year. This enhanced plan option by itself is cheaper than the enhanced plan option would be if there were two plans offered, and, according to Lombardi, it became clear that this plan was the one to go with.

"If we're thinking about having only one plan, why not have it be the enhanced plan? It would have manageable copays, it's easier to understand, and it has a \$0 deductible for mental health, which is really, really important to Carnegie Mellon's administration and students. It would help the Health Center, it would help the students, and the campus as a whole," she said.

Unlike those of peer institutions who have been faced with similar insurance plan scenarios, the plan would still feature coverage for dependents, something that the GSA, Casalengo, and Murphy felt was important.

The enhanced plan would also put Carnegie Mellon's insurance at the forefront of mental health insurance and insurance for physical, occupational, and speech therapy, according to Lombardi.

Lombardi's efforts have run on a highly condensed timeline so that UHS would be able to roll out the plan this semester to introduce next year, and reception on campus has been warm.

Lombardi presented to the GSA two weeks ago and to the Undergraduate Student Senate the same week. In straw polls of both bodies, the plan was endorsed.

Ian Glasner, student body president and senior electrical and computer engineering and business administration double major, said he was excited by the prospect.

"We're able to reduce costs for the enhanced plan and create an environment on campus where everyone who needs healthcare can use Carnegie Carnegie Mellon Student Insurance

60%

of students are on the Aetna plan through Carnegie Mellon

\$1,583

total cost of the enhanced plan if the single plan program is adopted **\$C**

cost of the mental health deductible under the new plan

Laura Scherh/Publisher

Mellon's plan to feel safe. It's affordable and effective," he said.

Evan Wineland, Undergraduate Student Senate chair and junior information systems major, agreed. "As

someone who pays for his own insurance and someone who has had unexpected medical costs, I sincerely wish that I was on the enhanced plan instead of the standard plan. It takes very little in medical

costs for the enhanced plan to pay off, and it's the lowest cost in-market. It's a no-brainer," Wineland said. "But, it's something that will inevitably have a different effect on graduate students than undergraduate students, because they have families."

The GSA is sensitive to the varied needs of its constituency, according to an email from Ph.D. candidate in rhetoric and GSA president Carolyn Commer.

The GSA Healthcare Committee and the GSA Departmental Representatives have stated their support of the change, but have also expressed concerns. "The plan is more expensive for those who used to enroll in the standard plan, it reduces readily-available options, and higher utilization of [student health insurance] could mean higher costs in the future, though this is hard to predict," wrote Commer.

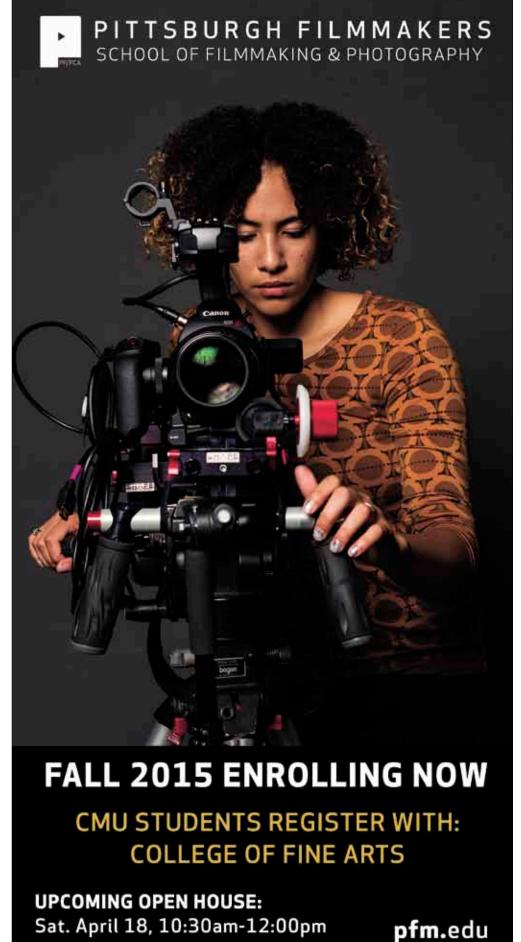
Commer explained that most graduate students pay the money for their insurance out of pocket. An increase in costs would put pressure on Ph.D. and master's students without health care stipends and graduate students with dependents who would have to shoulder higher costs.

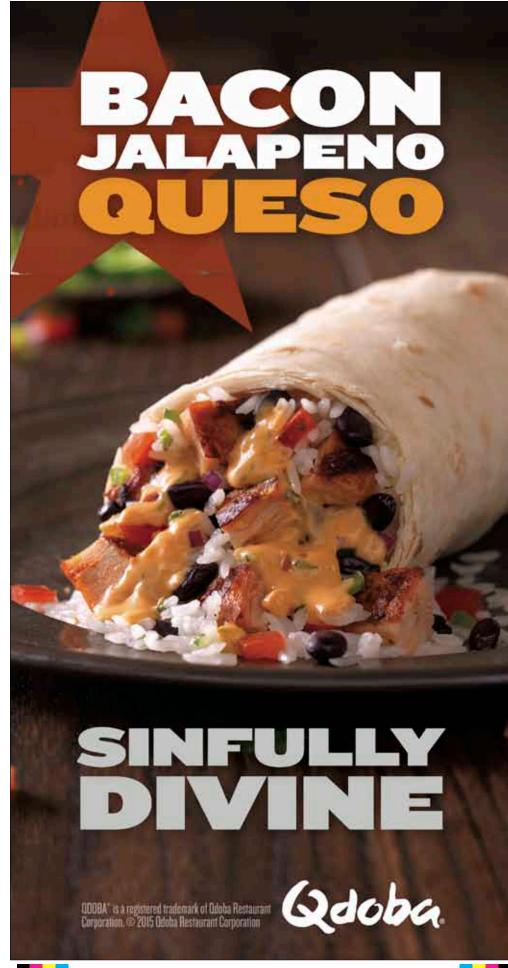
But, even with those reservations, the GSA endorsed the changes, citing the many benefits the changes would prompt, such as simpler payment processes, lower costs, and a more understandable option for insurance policies, and financial aid to cover the cost of the insurance, Commer wrote.

When it comes down to it, Lombardi said, it's a smaller cost for a lot more care.

"It's heartbreaking for me to sit here and hear students talk about what they're going through. I know how scary it can be to not know how much something is going to cost. I want us to be a university to offer a plan that helps students not to worry. You never know what's going to happen, and that's what insurance is for: peace of mind," she said.

A final decision is expected this week.





CONGRATULATIONS

Andrew Carnegie Society Scholars



Pictured with the scholars during their stole ceremony: ACS President Kristen Kurland, CMU President Subra Suresh and ACS Scholars Committee Chair Mary Louise Lehoczky.

Lana Al-Kahala

Business Administration

Spencer E. Barton

Electrical and Computer Engineering

Zachary J. Bergeron

Communication Design

Shaquille J. Charles Psychology

Arushi Chawla

Electrical and Computer Engineering/Economics

Seth C. Cordts

Mechanical Engineering/Biomedical Engineering

Richa C. Daté Architecture

Alexis G. Floyd

Musical Theatre

Gregory S. Foster

Business Administration

Nicholas J. Gardiner Business Administration – Marketing

Madelyn G. Gioffre

Civil and Environmental Engineering

Elana D. Goldberg Creative Writing

Yuyang Guo

Computer Science

Korey A. Haug Mechanical Engineering/ Engineering and Public Policy Lucy J. Havens Information Systems

Chloe C. Hawker

International Relations and Politics

Andrew K. Heath

Music Performance/ French and Francophone Studies

Miriam Hegglin

Civil Engineering/ Engineering and Public Policy

Zane E. Hintzman

Computer Science

Sara R. Kelly

Chemical Engineering/ Engineering and Public Policy

Erin K. Kiekhaefer

Global Studies/Hispanic Studies

Stanley Krasner

Economics/Mathematical Sciences

Emma R. Livne

Global Studies

Elizabeth Moss Madigan

Dramaturgy/French and Francophone Studies

Kechun (Coco) Mao Computer Science

Michael F. Matty

Physics

Dervla N. McDonnell

Visual Art

Kathryn E. McKeough

Physics/Statistics

Mariah A. Ondeck

Chemical Engineering/ Biomedical Engineering

Gordon J. Pherribo

Biological Sciences

Dylan J. Quintana

Materials Science and Engineering/ Mathematical Sciences

Tomer Reiter

Mathematics

Joseph T. Rollinson Computer Science/Philosophy

Danielle R. Schlesinger

Chemistry

Colin A. Shaffer

Ethics, History, and Public Policy

Michael Spinelli

Mechanical Engineering

Elias A. Szabo-Wexler

Computer Science

John Michael Taormina Chemical Engineering

Samantha L. Ward

Art/Professional Writing

Patrick R. Zakem

Directing

About the 2015 ACS Scholars

ACS Scholars are selected by their deans and department heads for their exemplary service and leadership. Each student receives a monetary award — made possible by Andrew Carnegie Society members — that supports academic and personal growth.

Additionally, they work as a committee to present a gift back to the university community. Through this opportunity, the students experience the joy of philanthropy first hand. This year's gift was shared by the following student organizations:

- CMU Juntos
- Engineers Without Borders
- My Heart is in the Work (student exhibit)
- Facilitation Opportunities for Refugee Growth & Empowerment (FORGE)
- Global Medical Brigades

Student organizations interested in applying for future grant awards should visit the Student Activities website for more information.

Learn more about the **ACS Scholars** program at giving.cmu.edu/scholars

About the Andrew Carnegie Society

Since 1972, Andrew Carnegie Society (ACS) members have supported all areas of CMU from academics to athletics to research and beyond with gifts of \$1,000 or more. Last year's membership of 3,108 included 172 CMU faculty and staff. Thank you for your support.

For information about monthly gifts to join ACS, please contact April Horton at andrewcarnegiesociety@cmu.edu or 412-268-9955.



Andrew Carnegie Society

Horum

FROM THE EDITORIAL BOARD

Student forums are invaluable to diversity initiatives

The student diversity forums this week, hosted by junior global studies and Hispanic studies double major Juan Acosta, were a significant student-led effort to approach an important campus issue.

Acosta, after publishing an opinion piece in The Tartan expressing his concerns, planned the events in response to unsatisfactory diversity solutions proposed by University administration during Town Ha meetings for the new Strategic Plan. The focus of the forums was to broadly discuss diversity, its implications, and how Carnegie Mellon can be more diverse.

One of the keywords of the Strategic Plan is "transformative experience," but a transform tive experience needs to incl diversity. Students at the fo discussed diversity not only terms of race, but also of soc nomic background, family ture, sexual orientation, n health, etc.

Individuals come to Carnegie Mellon learn and grow, but that growth is stunted if they never meet a person with a background different from their own. Faculty and staff, many from the Department of Student Affairs, attended the events and were encouraged to listen. Students discussed their experiences with diversity and proposed suggestions for the administration. The suggestions will be included in a letter to the university administration, in the hopes of adding strategies to the Strategic Plan for encouraging diversity. These

measures are not limited to recruitment or admissions; the forum also discussed measures that support students and encourage them to feel comfortable on campus. Suggestions included mental health support, disability resources, and changes in financial aid policy.

The Tartan supports the student diversity forums and believes that Carnegie Mellon students should make an effort to participate in the discussion. An outline of student suggestions will show administrators that students want to contribute to the effort and be part of the discussion about diversity.



Sex education in U.S. fails to be educational

SARAH GUTEKUNST Operations Manager

The critique has been made before: Current sex education programs are ineffective. While some students only receive fear-based information about sexually transmitted diseases and pregnancy, others only learn abstinence and still others do not receive sex ed at all.

Not being properly informed about human sexuality, reproductive rights, and sexual assault can lead to difficult situations, such as disease and unwanted pregnancy, but also to severe misconceptions

about sex and sexuality. The way that sex education is being taught right now

fails to address human sexuality in an open and frank way, which is damaging to students as sexual be-

Sex education as it currently exists perpetuates sex as a taboo, aside from information about anatomy and sexually transmitted diseases, as well as contraceptives if you're lucky. The discussion of the sexual acts themselves, however, is off limits. No health teacher will ever talk about the how of sex, so it's up to kids to figure it out for themselves.

For young boys, curiosity is "natural," according to society. They're excused because "boys will be boys" and it's "just the

hor-

Emily Giedzinski/Staff Artist

On-campus

In a story in The Wall Street Journal on Tuesday, Miriam Jordan wrote that since the recession began in 2008, food pantries have been increasing in number on college campuses.

This willingness to make college living easier and more accessible to students is commendable for many reasons.

Food security can be a problem for college students, who often do not have the available resources to afford both cost of living and a college education. Food pantries are an ideal way to solve this problem.

With the cost of tuition, room, board, and textbooks soaring in recent years, it has become increasingly difficult to afford college. To make things worse, the economic recovery

food pantries

already well off are starting to get back to and beyond those lev

has taken the form of upwards redistribution. People who were

Carnival experience

"Is it Carnival yet?" asks the popular Carnegie Mellon student-made website. "Almost — but it's never too early to pregame."

Thus begins the mythic, magical time of Carnival. The four-day holiday weekend is arguably the most discussed part of Carnegie Mellon's culture. Students treat the weekend as a chance to participate in a "real" college lifestyle — binge-drinking, experimenting with drugs, and partying until the early hours of the morning. While the break is certainly a welcome respite from the normally grueling school year, students should reevaluate how they spend their free time during Carnival.

Administrators and student leaders work hard to fill the four days with a slew of events, from buggy races to networking events to shows.

Alumni and families visiting their students (both from the local Pittsburgh community and from afar) take advantage of these activities and embrace Carnival for all that it truly is; students too often miss out on the early morning rolls and late night concerts because they're preoccupied with taking advantage of the time off to get their party on.

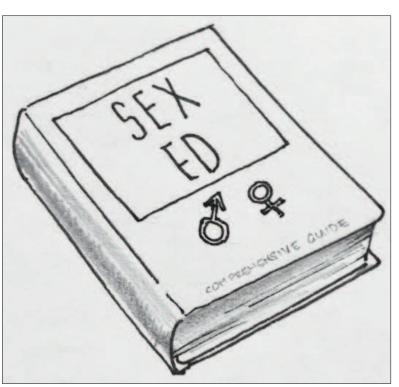
"Is it Carnival yet?"

"Almost — but it's not like you'll remember it anyway."

The crazed partying is an undeniable part of the Carnival lifestyle; af-

ter all, it's ebration of the student body. But what shouldn't be a part of Carnival is blacking out, getting sick, overindulging, and wasting time that should be spent enjoying all that our school (in its most relaxed,

enjoyable state) can offer. The Tartan urges students all over campus to consider how they budget their time this Carnival. Spend time relaxing, and partying if that is



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CA water restrictions doomed if agriculture won't conserve

EMMETT ELDRED Junior Staffwriter

As United States Senator James Inhofe (R-Okla.) throws snowballs on the Senate floor to prove that climate change doesn't exist, California is facing a climate change crisis. Dry weather coupled with warmer than average winters have depleted the State's water supplies to dangerous

Last week, California Governor Jerry Brown enacted tough water use regulations, essentially aiming to reduce the water use of Californians by 25 percent. The restrictions target urban water use most heavily, and critics point out that the restrictions don't address water use by the agricultural industry at all.

Gov. Brown has defended the restrictions, pointing out that California Agriculture provides a social good — food for much of the country while the restrictions target water use with little social value, such as long showers and aesthetic landscap-

It's true: There is a fundamental difference between using water to grow crops, which feeds people and adds to the economy, and using water to win the coveted title of "Greenest Lawn in Beverly Hills," which comes with a lifetime supply of selfrighteousness and the ability to silence the lurking suspicion that your worth as a person has little to do with the hue of your lawn.

However, California agriculture is not the bastion to California's economy that defenders claim it is, and



Maegha Singh/Staff Artist

California's drought cannot be successfully managed without demanding of agriculture the same austerity demanded of citizens and other busi-

In California, the agricultural industry accounts for 80 percent of water use, which leaves just 20 percent to everyone else, including citizens and other industries. Choosing to restrict the water use of the people already using the least amount of water is the equivalent to getting your meal supersized at McDonald's and offsetting the extra calories by getting a diet soda. Sure, a diet soda is "healthier" calorie-wise, but once you set foot in McDonald's, you've

abandoned any pretense that your body is a living thing with delicate nutritional needs.

Furthermore, agriculture accounts for only 2 percent of Calieconomy. California bankrupting its water supplies to accommodate for agriculture's water consumption is not unlike a family taking out a second mortgage to pay for their goldfish's costly arthritis medication. Sure, the family will by 2 percent less happy if Grumpy the Goldfish can't swim around as gleefully as in his youth, but is it really worth going into crippling debt? Besides, Grumpy won't remember the sacrifice you've made for him in three seconds anyway.

Joking aside, nobody is suggesting that California abandon its agricultural industry to get through this drought. California's economy might be able to survive it, but California exports more food to the rest of the country and to the world than any other state.

Still, there are reasonable steps that the industry can take to reduce water consumption. For instance, nearly half of California farmers still use the "flood irrigation" method to water crops, even though there are far more water-efficient irrigation methods available. Additionally, California has in recent years invested heavily in notoriously water-inefficient crops such as almonds, broccoli, and alfalfa. Returning to more waterefficient crops will allow the industry to reduce water consumption without downsizing production.

Why should students at Carnegie

Mellon care? Well first of all, if you eat, as students occasionally do if they have the time, you are probably eating something from California. This means that a sad, stinky child in Fresno has to skip showers to accommodate your insatiable hunger for almonds, you monster. California agriculture has been exempted from water restrictions because of our demand for California products.

But more generally, California's water restrictions are emblematic of how problems in America tend to be addressed these days. Our solutions nibble around the edges and place the blame on the powerless, instead of expecting the powerful forces actually causing the problems to lead the charge in solving them.

I think Californians who use 20 percent of the state's water can reasonably be expected to make sacrifices in their water consumption. But shouldn't the industry using the lion's share of the water be expected to do the lion's share of the conservation?

Though a small factor of the state's economy, agriculture is a major political power in California. The industry was one of the largest donors to Brown's campaign. In a slightly different context, giving a politician money in exchange for political favor is called "bribery."

At their most innocuous, Brown's water restrictions will ineffective.

At their worst, they are the product of legalized corruption. Californians should demand that their governor represents their interests, not just the interests of his donors.

Sex crimes still relevant after UVA

ANNE-SOPHIE KIM

Layout Manager

If you haven't been keeping up with the news, Rolling Stone published an article last November that stirred a national conversation across college campuses about sexual assault. The article detailed a harrowing account of a University of Virginia student named Jackie and her gang rape at a campus fraternity house. On Sunday, April 5, Rolling Stone retracted the article.

It didn't take long for reporters and readers alike to question Jackie's account detailed in the original article. In December, Rolling Stone's managing editor Will Dana stated, "In the face of new information, there now appear to be discrepancies in Jackie's account, and we have come to the conclusion that our trust

in her was misplaced." The original story has since been taken down from the magazine's website. In its place is the Columbia University Graduate School of Journalism's report captioned: "An anatomy of a journalistic failure.".

Rolling Stone has ultimately shaped the story as a failure to engage in basic journalistic practice. The article's writer, Sabrina Rubin Erdely, defended herself: "I allowed my concern for Jackie's well-being, my fear of re-traumatizing her, and my confidence in her credibility to take the place of more questioning and more facts. These are mistakes I will not make again."

I have only a few things to say about this: We should show concern for sexual assault survivors and consider them credible. Erdely indeed failed as a journalist by not questioning and fact-checking with other sources, but her statement can have repercussions for many sexual assault survivors and their treatment by the media. It's important to listen to survivors and be supportive. Any writer can do this while maintaining their journalistic principles.

fraternity have had a blow to their reputations. People have vandalized and attacked the fraternity in question, and the university's administration has scrambled to keep up with the backlash. But that's not the point; people are forgetting the initial discussion that started in response to Jackie's account.

Sexual assault was and still is a serious problem on college campus-The report published by Columbia es. In 2013, there were 15 reported

"It is important to listen to survivors and be supportive. Any writer can do this while maintaining their journalistic principles."

details how Erdely could have potentially built a story around other survivors' accounts, but felt that Jackie's story would draw in more readers. "A Rape on Campus" is one of Rolling Stone's most popular recent stories. But you cannot, and shouldn't even try to, rank or compare traumatic experiences.

Aside from the journalistic failures, I fear what effect this retraction will have at a greater scale. As news that Rolling Stone retracted the article broke Sunday night, I watched Facebook posts pop up under the "University of Virginia" trending feed. One read, "It would be good if this Jackie woman could be locked away in prison," and another seconded that "the university and fraternity have had their reputations ruined."

Sure, the university and the

University's journalism school also on-campus sexual assaults at the University of Virginia. At Carnegie Mellon, the number of reported oncampus assaults has more than tripled from 2011 to 2013.

When the Rolling Stone article was published, other survivors from all around the country came forward to share their stories. The nation had finally turned its attention to the issue of on-campus sexual assaults, but now it seems that the nation has lost interest.

Campus assaults are still underreported and survivors still need support. We've made progress as a campus with the ever-growing Survivor Support Network (SSN) and the work of the administration. To some, the Rolling Stone catastrophe is the end of it, but it really isn't. We can't let the discussion die down just as it's beginning.

Autism Speaks doesn't deserve your donation

JUSTIN MCGOWN

You would think that an organization called Autism Speaks would be dedicated to sharing the stories of people with autism, that it would try to improve their educational resources and help others understand the need to treat autistic individuals with dignity and respect, even where communication is difficult.

Instead, Autism Speaks seems determined to become the blue to the Susan G. Komen Memorial Foundation's pink. Last year, Susan G. Komen partnered with an oil company and announced that they had painted a drill bit pink. How does a charity supposedly dedicated to fighting cancer support the extraction of thousands of barrels of carcinogens?

Simple! They're not actually interested in fighting cancer. A very small fraction of the money they make goes towards research or care; most is spent on ads to "raise awareness," running the foundation, and

high salaries for its directors. According to the Autistic Self Advocacy Network, a negligible amount of money raised by Autism Speaks goes towards actually benefiting people who have autism. Only 4 percent of the millions of dollars they raise each year has a direct impact on the lives of autistic individuals and their families.

It is worth noting that they put 44 percent of their funds into research, but they are largely focused on finding "cures" for autism or genetic markers that with current genetic therapies would only allow the early termination of an autistic fetus. Their research also includes examining Omega-3 fatty acids as a potential tool in boosting the social skills of autistic children, which sounds more like a fad diet.

Numerous organizations have also spoken out against the way that Autism Speaks characterizes individuals with autism, saying it relies too heavily on depicting the people it claims to be helping as pathetic and notable mainly for being a drain on the lives of their family members.

Amy Sequenzia, a blogger at the Autism Women's Network who herself has autism, goes so far as to characterize Autism Speaks as a hate group.

While there are, of course, benefits to be had from researching the causes and mechanisms behind autism, if you are going to give to an organization this Autism Awareness Month, consider donating to an organization that spends more money on improving the lives of people with autism rather than giving them

Justin McGown (jmcgown@) is a contributing editor for The Tartan.

A PERSON'S OPINION

What are you doing over Carnival (besides partying)?

The Tartan is jumping up and down withe excitement for Carnegie Mellon's most famous weekend. So we asked,



Chris Compendio Information Systems, Creative Writing Junior

"The Shot for Shot Film Festival — there'll be a ton of highquality student films. It's a good opportunity to meet really cool filmmakers."



Brooke Tsu; Drew Holinski Economics, Statistics; Mathematical Sciences Junior; Senior

"Walking through Midway and seeing all the booths — they are just crazy cool works of art and a perfect example of the interdisciplinary cohesiveness.'



Jason Lee Chemistry Junior

"Barbecues behind my house and my friend's hot sister visiting."



Brittany Chen Economics, Statistics Junior

"Seeing ASA booth done."

A8 « thetartan.org/scitech The Tartan » April 13, 2015

Science & Technology

HCII hosts seminar on technology and creativity

DANIELLE HU Staffwriter

Joel Brandt, a senior research scientist and engineering manager at Adobe Research, led a seminar hosted by Carnegie Mellon's Human-Computer Interaction Institute last Wednesday. Brandt is a part of the Creative Technologies Lab, one of three separate labs that together form Adobe Research. As part of the Creative Technologies Lab, Brandt, along with other researchers, engineers, and entrepreneurs, works toward creating tools that help designers, developers, and educators.

In the seminar, Brandt stressed the dual nature of Adobe Research, which focuses both on improving Adobe products and on academic achievements. "We want people to create things that impact our customers' lives, and we want people to create things that increase the world's knowledge," Brandt said. Aside from improving Adobe products, Adobe Research often focuses on academic work by publishing papers, interacting with universities, and aiding graduate students with their work. According to Brandt, roughly one out of four projects at Adobe Research has an actual impact on customers of Adobe, approximately half of the results found in studies are published into papers, and



Joel Brandt, a senior research scientist and engineering manager at Adobe Research, spoke about the way technology can promote creativity and design at this week's Human Computer Interaction Institute seminar.

the rest of the studies done at Adobe Research do not have a substantial impact on a grander scale.

During the seminar, Brandt focused on discussing examples of the numerous research projects that have come out of the research labs. Some of the works that Brandt has worked on include Blueprint, a plug-in for Adobe Flash Builder that allows users to query the web for Adobe Flex and Adobe Flash code samples directly inside development environments. This plug-in allows for developers to quickly search for results with less friction.

In a study conducted by Google, researchers found that even 100 millisecond delays of returning information impact users of a product. Adobe's Blueprint feature focuses on this study to deliver search results in a quick and effective manner. After developing this tool, the lab conducted surveys and studies on the actual implementation of the tool to see whether or not they could see improvements. In this particular case, the study was able to

see improvements not only in time, but also quality of code.

Adobe Research also worked on Brackets, a code editor that focuses on code for the web, along with Theseus, an extension of Brackets that debugs JavaScript code. Brackets has features specific to the languages of HTML, CSS, and JavaScript. For example, Live Preview is a feature that allows for a user to easily preview the display of their generated code on a web browser. Users can also make live edits and see their immediate changes

display on the web browser. Brackets runs on an open source environment that can be easily accessed by any user on the web, meaning that software updates of Brackets and future developments involving Brackets not only come from Adobe developers and researchers, but also anyone interested in changing or adding features to the software.

Brandt has also been involved with Adobe Photoshop's Project Recess, a brand-new user environment that is specifically directed towards web designers.

The project has yet to be released, but it aims to help designers easily access the changes that they want made to their works. The project started off as an idea that a researcher had, but was fostered into a project that has now gained momentum. Brandt commented that this type of excitement is seen at Adobe Research labs often because of their open and collaborative environment that allows for flexibility in the projects of researchers.

All of these tools mentioned, in addition to many more projects and developments at Adobe Research, enable the creativity of others. Members in Adobe Research, like Joel Brandt, work towards improving the user experience so that the users themselves can focus on creativity and designs.

Tapestry archives planet

CLAIRE GIANAKAS SciTech Editor

Imagine having to describe the world you live in using only images of landmarks. If you could only choose ten, what would you pick? A sentimental feature of your hometown? A historic relic? A fading natural landmark? Over the years, a myriad of historians and individuals have recorded their own interpretations of the world they live in, providing future generations with a brief glimpse into the past through the eyes of another. But is there a way to merge these unique studies into a universal perspective of our world? William Alba, the director of the Science and Humanities Scholars Program at Carnegie Mellon University, has been working towards this goal with a project called Earth Tapestry.

The Earth Tapestry project aims to determine the most important landmarks on Earth, both natural and manmade. Once this information has been collected, it will be archived on the moon, in the hope that one day it will provide individuals with an understanding of the Earth as it was in previous eras. "The way we've done this sort of archiving in the past has leaned pretty heavily on the work of individuals and of committees," Alba said. "But what we say about ourselves as a society is something that should be decided by as large of a group as possible."

In order to involve a large number of people, Alba wanted to use a website where people could vote on individual locations. This data would then be converted into a general ranking.

"The basic problem was how to get people's individual preferences converted over into a collective group preference," Alba explained. By collaborating with researchers at the Massachusetts Institute of Technology (MIT) media lab, Alba was able to create a website, www.earthtapestry.org, that could produce the required group preference. On the website, each voter is shown two images of landmarks from around the world, such as the Sahara, the Palace of Versailles, or the Carnegie Museum of Natural History. They are then asked to choose which image best represents a displayed adjective. For instance, a voter might be asked whether the Empire State Building or the Musée d'Orsay is more awe-

As these comparisons are completed, an algorithm similar to the TrueSkill algorithm, a ranking system developed by Microsoft Research, is used in order to convert the data into a generalized ranking. Alba compared Earth Tapestry's voting and ranking procedure with sports rankings. In team sports, multiple pairwise comparisons are made between teams, which eventually results in a ranking system, despite the fact that not every team plays every other team. Similarly, the Earth Tapestry system uses pair-wise comparisons in order to generate a ranking of important locations, without forcing every voter to compare every location.

inspiring.

Along with ranking Earth's important landmarks, the Earth Tapestry project also aims to preserve

ightning forms due to sizeable charge imbalance

SHARON WU Staffwriter

What do you think of when you see lightning? While watching television, you may have noticed that lightning is often the backdrop to an eerie haunted house. Back in grade school, you were probably told that Benjamin Franklin, one of the Founding Fathers of the U.S., flew a kite during a lightning storm in an effort to study electricity. And with the recent April forecast, you may have

had the chance to witness a lightning bolt accompanied by pouring rain. It is no surprise that the supernatural-like effects of lightning are capable of evoking the fear and admiration of mankind, but what exactly is the process that gives rise to these spectacular displays of nature?

According to howstuffworks.com, lightning begins with the water cycle, which involves the evaporation of water into the atmosphere followed by the condensation

of water into clouds. Eventually, the force of Earth's gravity pulls back the liquid in form of precipitation, such as rain or

During the condensation step of the water cycle, clouds contain millions of colliding droplets of water and ice. As more moisture enters the clouds, the electrons within the moisture are knocked off. Electrons can also be lost when the rising moisture collides with ice and sleet in the process of falling back onto

Earth. In effect, the storm cloud acquires a buildup of static charge, which involves the accumulation of positively charged moisture and the ripped-off electrons at the top and the bottom of the cloud, respectively.

In addition to collisions, freezing also contributes to the When rising moisture reaches higher altitudes, it experiences cooler temperatures. This creates clusters of water droplets with frozen, negatively

charged water droplets in the inner regions. The outer regions of those clusters are unfrozen, positively charged water droplets.

Exposed to rising air currents, the positively charged regions of the cluster are ripped off and delivered to the top of the cloud. This leaves polarization of a storm cloud. the remaining, frozen droplets to gravitate to the bottom part of the storm cloud.

The degree of polarization

See LIGHTNING, A10

SCITECH BRIEFS

Navigation system found to be almost as effective as sight

Researchers at the University of Tokyo have discovered that blind rats with a geomagnetic sensor and digital compass attached to their brains are able to navigate a maze as successfully as rats who can see. Each time the blind rats moved their heads, the sensors generated electrical impulses to signal the direction they were facing. Subsequently, the rats were trained to find pellets in various mazes. Within a few days, the blind rats were able to navigate the mazes as well as rats with normal sight vision. The two groups of rodents relied on similar navigation strategies. This suggested that rats could potentially use allocentric sense, the sense of where the body is relative to the environment, to replace vision.

The research was published in Current Biology, and it is thought that such findings will be helpful in assisting blind people to independently navigate their surroundings. "The most plausible application is to attach a geomagnetic sensor to a cane so that the blind person can know the direction via tactile signals such as vibration," said Yuji Ikegaya, a researcher from the University of Tokyo and co-author of the study.

Physicists learn about geographic tongue condition

Geographic tongue (GT) is a condition where red patches appear when filiform papillae on the tongue are lost. GT affects approximately 2 percent of the global population, but its exact cause is unknown.

Gabriel Seiden, a researcher from the Weizmann Institute of Science, and Sofia Curland, a researcher from the Max Planck Institute for the Physics of Complex Systems, noticed similarities between GT and other phenomenon like cardiac arrhythmias.

Using mathematical models, the researchers were able to model the disease as a dynamic system that involved a healed state, inflamed state, and a recovering state. This model, termed the cellular automaton model, was published in the New Journal of

The model accounted for the presence of multiple lesions of different sizes expanding on the epithelium simultaneously and merging upon contact, thus leading to highly irregular patterns.

Still, Seiden admitted that "we do not know exactly how spiral patterns form in GT patients due to lack of careful clinical studies on initiation and evolution of different patterns."

Plague hits prairie dogs and changes various ecosystems

The same bacterium that caused the Black Death a few hundred years ago, Yersinia pestis, now rarely infects people in North America, However, it has caused the death of many black-tailed prairie dogs. This has the potential to be a serious problem for the ecosystem. A variety of other species rely on the existence of prairie dogs, so the disappearance of the species has the potential to compromise the overall health of the ecosystem. Specifically, prairie dog predators will be affected, but animals that use prairie dog burrows and grass patterns will also be drastically affected by the diminishing population.

"The connection between these animals and plants will be distorted and even broken," said David Eads, a professor from Colorado State University. To correct this issue, Eads and his colleagues are searching for new ways to control the spread of Yersinia pestis. They are currently testing an insecticide that may be able to reduce the number of fleas, thus making the plague less infectious. "If we can't control the problem, the grasslands are probably going to be far different within the next 100 years," Eads said.

Smartphone data provides warnings of earthquakes

New research by Jawbone, a consumer technology and wearable device company, shows that sensors in smartphones can give early warnings of an earthquake. Recent analysis of data from an earthquake that took place last August in California indicated that smartphones with GPS sensors may reveal a lot of information right before an earthquake. On an ordinary day, we use GPS to map our way to a store, but GPS systems can also sense a sudden lurch in one direction. In the context of an earthquake, such a lurch sensed by many people at once could indicate a seismic shift. Benjamin Brooks, a researcher at the Earthquake Science Center, along with various colleagues, has tested what crowdsourced GPS data might look like in a real earthquake. With simulations of real-life earthquakes that occurred before, such as the earthquake in Japan in 2011, the researchers have gathered data that suggests data from around 5000 people would be enough to spot the beginnings of a major earthquake. This would leave approximately five seconds to warn major populations, which could make a difference in the way populations respond.

SpaceX to launch reusable rocket again on Monday

SpaceX plans to launch the robotic Dragon cargo capsule to the International Space Station (ISS) using a Falcon 9 rocket on April 13, as part of a \$1.6 billion NASA contract. The Monday launch will be the sixth of twelve cargo missions to the ISS incorporated in the contract.

The goal of the launch is to send Dragon toward the ISS and then bring the first stage of the Falcon 9 rocket back to Earth for a soft touchdown on an unmanned drone ship in the Atlantic Ocean.

SpaceX attempted the same reusable-rocket Dragon cargo launch earlier this year. The mission failed because after the Falcon 9 rocket hit the drone ship it exploded on the deck. It is thought that this occured because the rocket ran out of hydrolic fluid before

safely landing on the ship. SpaceX CEO Elon Musk vowed to fix that particular issue in time "for the next attempt." Monday's test is part of SpaceX's effort to develop fully and rapidly reusable rockets, which, according to Musk, would reduce the cost of spaceflight by a factor of 100 if successful.

Source: Scientific American

Compiled By SHAOJIE BAI

Source: The New York Times

Source: Scientific American

Source: NewScientist

Source: NewScientist

See EARTH, A9

PUGWASH COLUMN

Iranian Nuclear Agreement reduces chance of nuclear war



Pugwash discussed an issue close to the organization's roots this week: the Iranian nuclear deal.

The purpose of the very first Pugwash conference was to discuss the implications of nuclear weapons. It was organized in 1957, as a response to a manifesto published in 1955 by Bertrand Russell and Albert Einstein. The manifesto warned against the dangers of weapons of mass destruction, and while it acknowledged the difficulty in eliminating war,

mass destruction is now just one of many issues that Pugwash discusses, but it is a little sobering to think that more than 50 years down the road from the first conference, we are still struggling to bring nations together diplomatically and lower the risk of a nuclear war.

To begin our discussion this week, we watched an interview with President Barack Obama, who discussed his strategy in re-opening relationships with countries like Cuba and Iran. His main argument was that the United States is strong enough that it doesn't lose anything by trying to talk and normalize relationships with other countries. Just talking doesn't diminish the

Although they have not officially claimed to have nuclear weapons, it is widely known that Israel is in fact a nuclear state, and the possibility of Iran gaining nuclear weapons is incredibly frightening to Israel.

it encouraged nations to solve problems non-violently and urged the world to "Remember your humanity, and forget the

The manifesto was signed by 11 leading scientists at the time, and two years later, philanthropist Cyrus Eaton offered his land in Pugwash, Nova Scotia as a location for the conference. Today's student organizations are a continuation of the original mission of creating discussion around the social and ethical implications of science and technology.

The topic of weapons of

United States' military power, nor does it take any options off the table, if the other countries were to be uncooperative.

The agreement reached with Iran over their nuclear program is one outcome of such normalization. It has seven planks: 1) Iran will never be within a year of building a nuclear weapon. 2) No more sanctions, by the UN or the US. 3) About a third of Iran's centrifuges that are used to enrich fuel that could be used in a weapon will be dismantled. 4) A limit on how much enriched uranium Iran can keep will be imposed. 5) Certain nuclear

plants will be shut down for at least 15 years. 6) No secret facilities. 7) Aggressive and intrusive inspections by the International Atomic Energy Agency.

A limit on how much enriched uranium Iran can keep will be imposed. 5) Certain nuclear The sanctions currently in

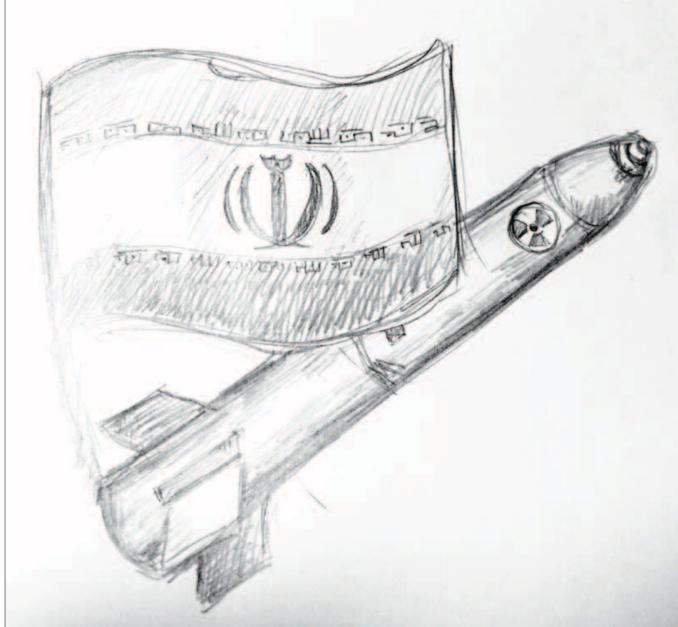
place are causing immense amounts of trouble for the average citizen of Iran, including reduced food security, a broken healthcare system, and unsafe travel. The removal of sanctions would be a huge boon to the economy and quality of life inside Iran.

However, Israel has a lot of problems with anything that could be seen as helping Iran, as the two countries have been extremely unfriendly toward each other. Although they have not officially claimed to have nuclear weapons, it is widely known that Israel

is in fact a nuclear state, and the possibility of Iran gaining nuclear weapons is incredibly frightening to Israel.

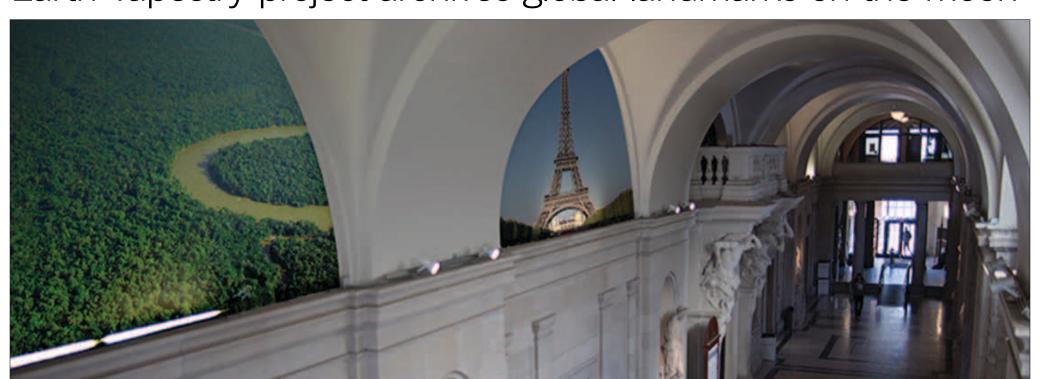
The clamping down on nuclear proliferation has parallels to the conversation

See AGREEMENT, A10



71 (0) ((A))

Earth Tapestry project archives global landmarks on the moon





Courtesy of William Alba

Above: Images of the highest ranked landmarks from around the world will be displayed in the Carnegie Mellon College of Fine Arts building in 2016 as part of the College of Fine Arts centennial celebration. **Below:** The data collected before May 1 will be engraved on a sapphire disk, coated in aluminum and enclosed in sheets of metal. This unit will then be sent to the moon on the Astrobotic Technology lunar lander in late 2015 or 2016.

EARTH, from A8

the discovered information. This will be done in a variety of ways, namely by archiving the information on the moon. On May 1, the existing data will be supplied to the Carnegie Mellon Moon Arts Group, which will be in charge of transfer-

ring the data to the moon. Voting will remain open after May 1, but any new data will not be archived. The existing data will be laser-engraved on a sapphire disk, coated in aluminum and enclosed in sheets of metal. This unit will be placed in a chamber of the Astrobotic Technology lunar lander, which

is set to arrive on the moon in late 2015 or early 2016. The chamber will also house three other information preservation projects entitled Sagan Planet Walk: Moon, Epoch Marker, and Signed Sealed Delivered. Aside from sending the data to the moon, the data will also be stored in deep digital archives.

Fundamentally, Earth Tapestry is an extremely interdisciplinary project. In order to preserve the more artistic side of the project, images of the landmarks with the highest rankings will be displayed in the College of Fine Arts at Carnegie Mellon in 2016 as part of the College of Fine Arts centennial

celebration. Throughout the year the images will be rotated, with higher ranked landmarks being displayed for longer periods of time.

Alba hopes the project will continue once the data has been archived.

"I would like to have Earth Tapestry continue not just on one location on the moon, but on several," Alba said. "Redundancy is good if you want to preserve information. If others keep on sending things to the moon and to Mars, I would like to continue to send out volumes of Earth Tapestry, because our opinions of the world will change." **HOW THINGS WORK**

Lightning shows electrostatic power



Courtesy of Roch Hart via Flickr Creative Commons

 $\textbf{LIGHTNING}, \ \textit{from A8}$

of charges within the cloud determines the strength of the surrounding electric field. With adequate strength, the electric field can repel electrons that are present on the ground, driving these electrons deep into the Earth.

In turn, the surface of the Earth becomes more positively charged, contributing the polarity of charge between the ground and the storm clouds.

As the electric field grows stronger, the air surrounding the cloud becomes ionized. Through the process of ionization, electrons are removed from the molecules of the nonionized air. What would have originally been an insulator — resistant against the flow of charge — transforms into plasma, or ionized air. The conductive property of plasma allows for the free flow of electrons from the cloud to the ground.

Lightning bolts start off with the formation of step leaders, which are paths of ionized air that branch in the

direction of Earth. Identified by their faint, purplish glow, step leaders provide media through which electrons from the bottom of the cloud can pass. While it is not clear why these paths have zigzag shapes, it is thought to be a result of differing levels of electrical conductivity within the air, caused by the presence of dust particles and other impurities within the air. Not to be confused with an actual lightning strike, step leaders serve to map out the path in which the strike will travel through. Meanwhile, the electric fields cause the propagation of streamers, or surges of positive charge from objects on the Earth. Like step leaders, they also display a purplish glow, but with more distinct edges.

When a step leader comes into contact with a streamer, the ionized air seals the connection between the cloud and the Earth. When lightning strikes, a discharge of current flows through this path, allowing for positive and negative charges to travel to opposite sides. Hence,

lightning can be thought as Mother Nature's way of neutralizing the imbalance of charge between the cloud and the Earth.

In addition, when the cur-

rent flows between the leader and streamer, an enormous amount of heat is produced. With a temperature even higher than the surface of the sun, the heat of the lightning bolt creates its characteristic, brilliant white-blue flash. At the same time, the surrounding air explodes from the intensity of the heat, causing a shock wave that leads to the production of thunder. Once the main strike of lightning occurs, it is quickly followed by 30 to 40 secondary strikes. Occurring in rapid succession, secondary strikes can elongate the length of time the original strike appears to be present. A time delay between the original and secondary also creates the illusion that the main strike is flickering. From ionization to the moment of strike, it is surprising to think that the process of lightning occurs within a mere fraction of a

second.

Despite its eerie beauty, lightning is definitely something to avoid. The National Weather Service estimates that in the U.S., 330 people are struck by lightning every year, including 55 deaths. Hence, it is important to be aware of precautions against the fatal effects of lightning. During the event of a lightning storm, it is important to take approriate shelter areas, such as a building or car. It is never a good idea to hide under a tree, which can attract lightning. While indoors, you should avoid using phones with cords or coming into contact with indoor pipes that may be made out of met-

Lightning is probably one of the most powerful exhibit of electrostatics that nature has to offer. In fact, the sight of it can be safely appreciated from the comfort of your own home. And while the warm months continue to roll on, a lightning storm can create adventure out of what could have easily been another rainy day.

PUGWASH COLUMN

Iranian nuclear agreement affects global relations

AGREEMENT, from A9

Pugwash had about pollution and the responsibility of climate change. Nations like the United States got the nuclear bomb, and then decided that no one else could have it, similar to how they used natural resources irresponsibly and gained the benefits, but now are urging other nations to be more restrained in the pollution and resource use.

One of the biggest disagreements among Pugwash members was with the idea of mutually assured destruction. Conventional wisdom says that if two enemy nations both have nuclear weapons, neither will actually use the weapons, because they are sure to be destroyed as well. However, does this actually hold? If an irrational, radical government came to power or a group of extremists got their hands on a nuclear weapon, would they really hold back due to the assurance that they would be destroyed as well?

However, it was also discussed that if it was a true deterrent to nuclear war, wouldn't it be better for both Israel and Iran to have nuclear weapons? Also, wouldn't it be more fair? However, the idealistic notion of fairness was quickly countered with the idea of realpolitik, which supposes that you can never know what others are doing, and therefore, nations should always look out for themselves.

In this case, applying a realpolitik analysis shows that if Iran were to get the

bomb, Saudi Arabia would also acquire nuclear weapons from Pakistan, as Saudi Arabia isn't an ally of Iran, but is allied with Pakistan, which has the bomb. In addition, a handful of other countries would also feel extremely threatened, as Iran isn't friends with many nations in the Middle East, due to their sponsored terrorism in Lebanon, Syria, and Yemen, to name a few places. This conflict has an underlying cause in both religion and ethnicity, as Iran is made up of mostly Shia Muslims, which are in conflict with Sunni Muslims, who make up the majority of many other countries in the region. Also, most Iranians are ethnically Persian, while residents of other countries are either Arab, or, in the case of Israel, Jewish.

Regardless of members' faith in the mutually assured destruction as a deterrent to nuclear war, almost everyone thought that it would be bad if Iran got nuclear weapons. As the recent outline of an agreement on a nuclear deal with Iran seems to decrease that chance, through reduced capabilities and more oversight on those capabilities, and with the original Pugwash conference in mind, most Pugwash members seemed to agree that it was a step in the right direc-

Student Pugwash is a non-advocacy, educational organization that discusses the implications of science. This article is a summary of last week's discussion on the Iranian Nuclear Agreement.

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April 13, 2015 « The Tartan thetartan.org/sports » A11

Carson Quiros makes her mark at CMU EPL Champions

MIDFIELDER, from A12

slip-away games. On a personal note, Quiros feels that she needs to lead the midfield more and be more prominent offensively.

Quiros has had some great motivation and support from within the team. During Quiros' first year, she was nurtured in her position by excaptain Stephanie Hare. This complemented Coach Struble's attempts to introduce a more offensive mindset into Quiros' play. Quiros also cultivated a great relationship with classmate Alli McGugan, a junior business administration and decision science double major who plays forward for Carnegie Mellon. Currently roommates, the girls are there for each other on the field and off, constantly supporting and driving each other.

Quiros is at Carnegie Mellon for a lot more than its soccer program. Having first looked at a number of Ivy League schools, Quiros disliked that all of them had athletes seen as less academically-minded than everyone else.

When she visited Pittsburgh, she realized that while every other school she had visited possessed some flaw either in lifestyle or in educational programs, the combination of Carnegie Mellon and Pittsburgh proved to be a perfect match.

She was attracted to the strong writing program and its specificity in individual fields. During her time at Carnegie Mellon, Quiros has been especially impressed that all its students perform at such a high level over a wide variety of fields, which she says can be pressuring but exciting.

There are days when academic or other woes put you off your game, and Quiros appreciates that the coaches are



Junior creative writing and professional writing major Carson Quiros, hailing from Georgia, plays midfield on Carnegie Mellon's women's soccer team

very understanding of that. She appreciates that practices provide a place to hone skills, a great outlet, and a place to meet and connect with diverse groups of girls across majors and grades all of whom, on some level, share similar experiences and interests.

It is a rare occasion to come across a player so well-rounded both on the field and off of it, and especially humbling to see such a player continue to want to grow and expand her

Indeed, it is this that sets Quiros apart from most other athletes and give her the markings of a leader. Given her dedication and that of the team, there is great reason to be excited about the Tartan's

League heats up

EPL, from A12

the rut. They lost away to Crystal Palace last weekend, which dropped them into fourth below their neighbors Manchester United, who go into their clash on Sunday as favorites for the three points. This, coupled with the Southampton and Liverpool both only 5 and 6 points behind, respectively, means City must get their act together soon or risk being out of the Champions League next season.

Prediction: Fifth. They are very likely to lose the game against United, and while their fixtures get easier from there, their inconsistency and the age of their squad will show up and a young and hungry side will pass them.

Liverpool

Brendan Rodgers was being praised as a genius for turning around Liverpool's fortunes. Top four seemed like a dream that could be achieved. This was all before the game against Manchester United, where Liverpool came crashing down to Earth. That loss, 2–1 at home, completely demoralized this team and was a huge setback for a club that had taken giant strides into becoming a force again last season. Arsenal seemed to have put the final nail in the coffin with a rout last week before Man City did them a favor and lost their game too. They beat Blackburn at Edwood Park to stay in the FA Cup and gained a little momentum back. Rodgers is a good manager; he seems to have learned from his mistakes last season, and their easy remaining fixtures mean that they have a good chance to leapfrog a freefalling Manchester City into fourth.

Prediction: Fourth. Yes, it's a stretch to suggest they have the mettle to do it. But if they do not drop easy points and if City continue their free-fall, which seems likely, there's a high chance this could be the outcome.

Southampton and **Tottenham Hotspurs**

These are two clubs that

are both on the outside of this race, but still have a chance of finishing there — huge credit to Southampton for being only 5 points off fourth at this stage of the season after the fire sale they went through over the summer. Spurs should arguably be doing better with all the money they have spent over the last few seasons, but with a new manager, Mauricio Pochettino, in place and players like Harry Kane, who has been the breakout star of the season, Ryan Mason and Nabil Bentaleb getting their first full season of top-flight football under their belt, they are in a good position going forward. Neither club is likely to finish fourth or even fifth, but there is still one Europa League spot to fight for.

Prediction: Southampton — sixth. They are currently in good form with the best defensive record in the division. A safe bet to not drop enough points to lose position. Spurs — seventh. Their loss to Aston Villa at home this weekend ruined their chances of fighting for top four, and with players burning out at this stage, it's unlikely they will beat Southampton into sixth.

SPORTS BRIEFS

Women's Golf

On Saturday, the Carnegie Mellon women's golf team competed in the Westminster Spring Invitational. The Tartans won the event with a team score of 370 in the 18 -hole event.

was led by Summer Kitahara, who placed second overall individually, shooting an 82. Robin Tan and Emma Hoskins finished second and third for Carnegie Mellon, 10th and 11th overall, shooting a 93 and 94 respectively. The Tartans will next compete Tuesday at the Saint Vincent Spring Invi-

Men's Tennis

The 10th-ranked Carnegie Mellon men's tennis team played a home match against 18th-ranked University of Mary Washington on Saturday.

The Tartans jumped out The team of first-years to the early lead with a 3–0 sweep of doubles. Sophomore Kenny Zhang and first year Edward Ang, along with the team of senior Bryce Beisswanger and junior Yuvraj Kumar, won their matches easily, 8-4 and 8-5, respectively. Seniors Will Duncan and Christian Heaney-Secord fought hard from the number 1 doubles spot and pulled out the 9–7 victory.

Spotting an early lead from doubles play, the Tartans cruised to victory by splitting the singles matches. Heaney-Secord, sophomore Kunal Wadwani, and junior Abhishek Alla each won in straight sets with Heaney-Secord and Wadwani each winning 6-1, 6-4 and Alla winning 6–4, 6–4.

Carnegie Mellon also hos ed 11th-ranked Johns Hopkins on Sunday.

Track and Field

The Carnegie Mellon men's and women's track teams split up this weekend with the distance runner competing in the Bucknell Distance Carnival.

At Bucknell, the Tartans faced off against the top distance completion in the country. Six women set career bests with seniors Erin Kiekhaefer and Sara Kelly each running the 1,500-meter run. Kiekhaefer competed in the top invitational field and finished 23rd with a personal best time of 4:39.89, and Kelly competed in the unseeded field, placing 2nd in her heat and 22nd overall with her career-best time of

4:52.78. The other four career bests came in the 5000-meter run with junior Sophie Lohmann placing 11th overall, fellow junior Rekha Schnepf finishing 19th, sophomore Zofia

Tillman placing 26th and junior Kira Ragazzo finishing 37th with times of 18:04.81, 18:25.43,18:32.00,and 18:52.93, respectively.

For the men, sophomore Owen Norley had a career best in the 1,500-meter run, placing third in the unseeded field with a time of 3:55.62. In the 5000-meter run, another group of Tartans earned career bests with sophomore Ryan Archer placing 4th, first year Ryan Auld finishing 17th, junior Brian Bollens placing 22nd, and senior Eamon Cullinane finishing 27th in the unseeded field with times of 14:51.68, 15:03.52, 15:05.00 and 15:06.47, respectively.

the Tartans was senior George Degen, who set a school record in the 10,000-meter with a time of 30:13.03, placing seventh in the invitation heat. The other parts of the two

Rounding out the day for

Carnegie Mellon squads competed in the Westminster College Invitational, but results are not yet available at the time of print.

The Tartans will compete as full teams again on Saturday at the Slippery Rock Invitational.

> **COMPILED BY** Carl Glazer

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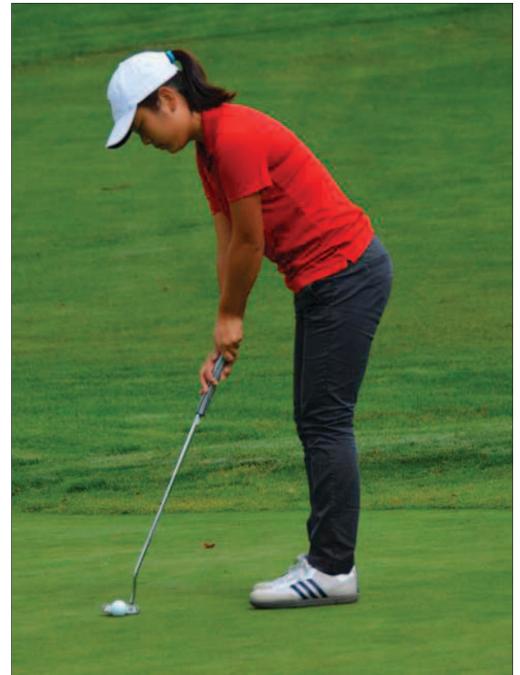
A12 « thetartan.org/sports The Tartan » April 13, 2015

Sports

CMU athletes Serbin, Kitahara, and Qian honored by ECAC







File photos courtesy of CMU Athletics

Sophomore forward Jack Serbin (top left), sophomore George Qian (bottom left), and first-year Summer Kitahara (right) were recently honored by the Eastern College Athletic Conference for their achievements on the Tartan's men's basketball, men's golf, and women's golf teams, respectively.

BRADEN KELNER

Contributing Editor

The Eastern College Athletic Conference (ECAC) awarded Carnegie Mellon athletes for achievements both on the basketball court and the golf course this month.

Among those awarded were sophomore forward Jack Serbin on the men's basketball team, first-year Summer Kitahara on the women's golf team, and sophomore George Qian on the men's golf team.

Jack Serbin

The ECAC named Serbin

to its Division III Men's South Basketball All-Star Second Team, coming on the heels of an announcement that he was also named to the University Athletic Association (UAA) Second Team.

Serbin ranked fifth in the UAA in blocked shots, with 73 total, according to a university news release. He achieved a career best of seven blocked shots against the Penn State Beavers this season. In all but one game this season, Serbin scored double-digit points. Out of the 24 double-digit games, he scored more than 20 points in eight of them.

During one of those games, against New York University, Serbin shot a career-high 31

Serbin is the first university athlete to receive postseason honors from the ECAC since Ryan Einwag (TSB, '09), the second-leading scorer in the university's history, who is now an equity derivatives trader at IMC Financial Markets, according to his LinkedIn

Overall, the men's basetball team went 14-11 this season, winning nine of their games at home.

Summer Kitahara

The ECAC named Kitahara Women's Rookie Golfer of the Month for Division III after she placed fifth with a score of 161 overall at the Inaugural UAA Women's Golf Championship in Sorrento, Fla., earning her All-UAA first-team honors, according to a university news release.

She later shot 242 for three rounds at the 2015 Jekyll Island Collegiate Invitational at Jekyll Island, Ga., bringing her average for all five rounds hetween the championship and invitational to 80.6. Through 12 rounds this year, she has

averaged a score of 80.7, according to the university's athletics website.

Carnegie Mellon placed first on Saturday with a team score of 370 at the Westminster Spring Invitational. Kitahara led the team with a score of 82.

George Qian

Qian was named Men's Golfer of the Month by the ECAC for Division III sports after claiming the UAA individual medalist honor at the UAA Championships in Sorrento, Fla. last month. He scored two rounds of 74 at

the tournament. At the Jekyll Island Collegiate Invitational, he scored 223 between three

Qian came in at an average score of 74.2 for all five rounds between both events. Through 14 rounds this year, Qian has an average score of 74.6, according to the university's athletics website.

Carnegie Mellon placed first on Sunday at the Edward Jones Shootout in Apollo, Pa with a combined score of 295. Oian placed second in the entire event and first on the team with a total score of 71.

Quiros displays excellence on and off the soccer field

ANDY BIRLA Staffwriter

The Carnegie Mellon Women's Soccer team had an especially strong season with important contributions from all their players. However, the influence of one midfielder in particular served as part of the teams's driving force when getting the ball into the opponent's net. Carson Quiros is a junior professional writing and creative writing double major who plays central midfield for the Tartans. She put together a phenomenal season, starting in 18 games and notching 9 shots on goal, 2 of which got past the keeper to make gamewinning goals.

Her performances earned her a spot on the All-University Athletic Association (UAA) Second Team and the National Soccer Coaches Association of America All-Scholar All-Region Third Team. Despite all of that, her importance on the field cannot be expressed in numbers, owing to the fact that she serves not only as a strong defensive player but also a facilitator and motivator to unleashing the full potential of the teammates around her. Behind every great player lies a remarkable story, and Quiros' story confirms that.

The youngest of four siblings, Quiros started off play-

3. She credits her parents for giving her the opportunity by putting all four siblings in recreational sports. Quiros' talent and skill in the sport were noticed early as she made the club's A-team in the fifth grade. Her commitment to the sport only increased from there on out as she narrowed down her sports to just basketball and soccer, dropping softball and gymnastics.

In spite of her overwhelming dedication to soccer, Quiros presented great athletic potential and was part of her school's varsity basketball team alongside being part of the school's varsity soccer team and her club's soccer team. Her brilliance as part of her club, Top Hat (an all-girls club in Atlanta), attracted the attention of Carnegie Mellon Head Coach Yon Struble. Ever since she was recruited by Struble, Quiros has developed a strong relationship with the coach that has helped her expand on her potential and grow as a player by capitalizing on skills that she already had while also cultivating new ones. Quiros' formidable understanding of the game stems greatly from the fact that, over the years, she has played in positions ranging from a defender to a forward, eventually settling down as a central midfielder.

When asked about the

ing soccer at the tender age of team's fantastic performance this season, Quiros credited it to the extensive amount of preparation that the team goes through during their preseason and the summer, which makes the regular season more manageable. She also acknowledged that the team used their speed and their technical knowledge to dominate its games. Following a disappointing season last year, Quiros said that the team didn't build expectations for this season and focused on playing their best every game while still staying humble.

> The difference was definitely visible; the team came out swinging this season and won some spectacular games against challenging opponents. On a personal note, Quiros felt that she could get into the box and finish headers from crosses as well as use her ability to get into positions where she could use her long shot capabilities. Quiros feels that for the upcoming season, one of the things that could help the team advance even further is developing the same chemistry with the incoming first-years as they did this season. Quiros also feels that the team needs to focus on winning games that they dominate throughout the 90 minutes and avoiding

> > See MIDFIELDER, A11

As the English Premier League season draws to a close, there's not much left for the top teams to play for. Chelsea is out of the Champions League, out of the FA Cup. has already won the Capitol One Cup (or League Cup) and leads the table comfortably right now. However, the race to finish in the top four of the league and qualify for next year's Champions League is still very much on and there are several clubs still involved in it. Let's look at the form and

fixtures for each of these clubs

and predict how this race will

finish.

NISHANT RENIWAL

Junior Staffwriter

Arsenal For a change, Arsenal is not the club on the outside looking in, waiting to pounce on the mistakes of others. Instead, they are currently the form team of the league and have won their last eight games on the trot, including last week's impressive 4-1 rout of fellow challengers Liverpool. They sit pretty in second with a lot of momentum behind them and an outside chance of catching Chelsea for the title too. With ten points separating them and fifthplaced Southampton, they are in a rather comfortable position now, and should not have

any trouble finishing second or even third. Lose both the crucial games against Chelsea at the Emirates and Manchester United at Old Trafford, though, and it could become a dogfight to finish fourth.

Arsenal, Manchester U. show

promise in EPL tournament

Prediction: Second. Despite history suggesting otherwise, on current form it's hard to bet against Arsenal against both Chelsea and United.

Manchester United Manchester United's en-

tire season prior to the game against Tottenham Hotspurs in March could have been summed up in one phrase decent results, dour play. Louis van Gaal was brought to the club not only to get the results but also to improve the style of play which had become unbearable to watch under David Moyes. For the most part, van Gaal got the results right, but there were too many games when it seemed as if United was simply laboring through games for wins or just benefiting from the poor form of their rivals. The game against Spurs changed that, though; United displayed a swashbuckling style to their game not seen before this season. That impressive form continued into their crucial next game against Liverpool, in which United beat their arch-rivals at Anfield and showed off some of their most exhilarating football. With six

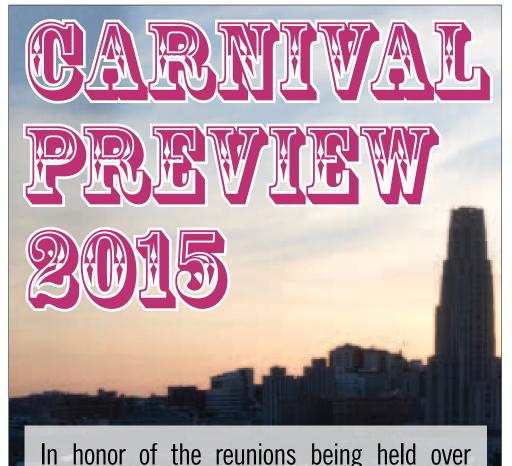
points separating them and Southampton now, United are far from comfortable in third. Their inconsistency has hampered them before but as winners of five straight they are in a good position to finish amongst the Champions

League places. Prediction: Third. They have three tough games: Man City, Chelsea, and Arsenal. If they win all three, they're in pole position for second and could even be in with a chance of the title. They haven't been consistent enough all season, however, for anything to suggest they will win the aforementioned games.

Manchester City

Coming into the new year, City had briefly cut the gap at the top of the table and looked in prime position to improve their form and take the title away from the leaders, exactly like last season. However, 2015 has not been kind to the blue half of Manchester, as they have lost four times and drawn thrice since the turn of the year. This in addition to the knockouts from the FA Cup (by lowly Middlesborough) and the Champions League (by Barcelona) means they have had a miserable 3 months and are showing no signs of stopping

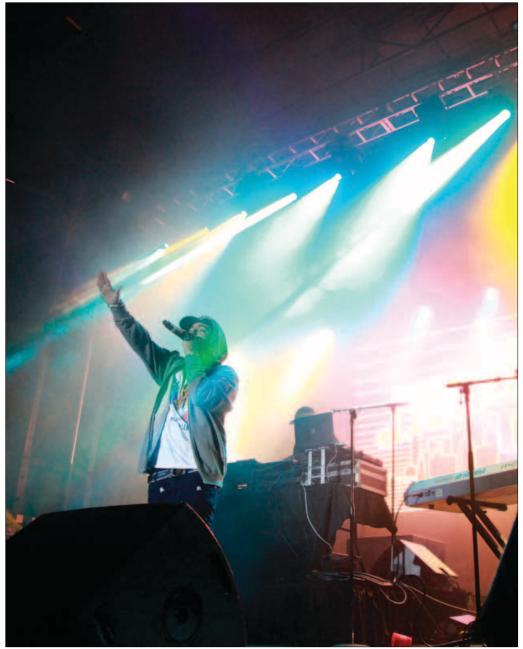
See PREMEIR LEAGUE, A12



In honor of the reunions being held over Spring Carnival, The Tartan is featuring a brief review of past issues from one year, five years, 10 years, 25 years, 50 years, and 100 years ago. The articles printed within are abridged versions from The Tartan's archives.













1914-1915



Uhr Tartan



Plebe Qualification Day welcomes incoming class of 1918

MARCH 25, 1915

The Plebe Qualification Day exercises of March 19 mark the establishment of a custom which is new, purely original, and precisely symbolic of the institute's motto, "My heart is in the work," and, upon the other hand, one which attests to the spirit of the Design and Science Schools, be they considered as a scholastic division or as a unity in the adamantine bond of "Tech" brotherhood.

This ceremony, although in an embryonic state, was presented in a manner which was indeed laudable to the partakers and class officers; and which, with the correction of each succeeding year will eventually emerge into a custom which will be known as a truly "Tech" conception and one which will be named as the first of the Institute's ceremonies, serving to engender a firmer and purer class

The purpose of this exercise is to establish a definite date and method for the disposal of the wearing of the regulation Plebe hat and tie. After this date and ceremony the first-year men are no longer bound by the regulation Plebe rules, and at such a time they come into a full membership of their class, unchecked by any traditional bands.

Friday morning the "casket" was placed in the central corridor of the Design School and presented a scene which, had it not been for the gay Tartan Plaid which draped the "casket" and the joyful song and spirit of the Plebe class, might have impressed the unknowing passer-by as a last honor reverently bestowed upon a great personage.

Here the casket rested all lay supported upon richly draped standards, bearing all casion in the life of the schools

the earmarks of a state occa-

At either end of the bier two candelabrums bore burning candles, while groups of "mourners" gathered about the bier singing Dirge's "It's a Long Way to Tipperary," "Slav War Songs" and a great variety of more appropriate and effective love songs. It was a day long to be fresh in the memory of the students.

The exercises began at 3:30 p.m. on Friday afternoon, being briefly as follows:

The line of march lead from the Science to the Design School, being headed by the "Tech" band, which is always equal to every occasion.

Immediately following the band marched the six "pallbearers" lead by E. H. Beckman of the sophomore class of the Design School and T. E. Orr of the senior class of the Science School.

The "pallbearers" bore the "casket" gayly decorated with the Plaid "Tartan" colors over the top of which was placed a wreath and the Sophomore token which was later presented to the Freshman class.

Next in line were the seniors, juniors, sophomores and last but by no means least on that occasion, the highspirited "Plebes."

The line of march lead to the athletic field where the ceremony took place in front of the grandstand. The first step in the procedure of the verbal part of the ceremony was given by Mr. T. E. Orr, A. S. '17, who delivered the following address of acceptance to the Plebe class as a body:

Mr. Orr's Remarks

"Fellow members of the Design and Science Schools of Carnegie:

The importance of this oc-

cannot be exaggerated. We have assembled here today to inaugurate a custom which we trust will endure throughout the life of Tech.

As we look into the future we can see the students who are to follow us assembling each year for the repetition of this rite which marks the formal acceptance of the entering class to the duties and privileges of student brotherhood.

We should consider ourselves fortunate in being present at this initial exercise. This custom which we inaugurate today will have a two-fold effect, not only will it bind these two schools together into a more complete unity, but it will promote a new spirit of fellowship among us all.

ately preceded you — but we accepted you on trial with the hope that contact with us might make you worthy of following in our footsteps.

During those six months, following the same tasks, engaged in hard work common to all, through our guidance that class has become cemented into a firm body, whose feelings and sentiments reflect to some degree the true spirit of the combined schools, that indomitable spirit which has made Carnegie Tech and Carnegie men known, appreciated and feared by all competitors.

Now the period of trial is over. There remains only this final but necessary rite to express our formal acceptance

"As we look into the future we can see the students who are to follow us assembling each year for the repetition of this rite which marks the formal acceptance of the entering class to the duties and privileges of student brotherhood."

> — T. E. Orr, sophomore class of the design school

Nearly six months ago today there entered here the men of the class of 1918. They came from many states, each with a different conception of student life, but they had a common goal: a technical

We recognized your failings—particularly did we feel how far short you fall from and welcome into the bond of Carnegie Tech. For the future our interests are one. In all that promotes the interests of Carnegie we count upon your loyal support.

With this honor, for it is an honor, comes responsibilities. What these responsibilities are we shall not go into detail but they can all be summed up the class that had immedi- in the words — Be men, hon- save a general sympathy for last — Carnegie Tech.

orable men, and in all things uphold the honor of Tech.

You men of 1918 have been tried by the test, by the thorough test of the past six months. You have shown the true spirit.

On behalf of the Sophomore class I accept and welcome you into the fellowship of Carnegie men, and in token thereof do clothe you with the Tartan, the official colors of your future Alma Mater."

Mr. Orr's remarks were very apt and were permeated with the true "Tech" spirit.

Second in order was the Plebe acceptance, which was given by Mr. James L. Payne, who is president of the Plebe Design students.

Mr. Payne presented his remarks in a masterly manner. They were concise, vigorous, well-balanced and were given with emotion and dramatic force.

Mr. Payne's Remarks

"In being chosen to represent the Plebe classes of both the schools of Applied Science and Design, I feel I have had imposed upon me today a responsibility too great for one man to attempt.

On this day we become fullfledged citizens of Carnegie Tech, and, although only seven months have passed since we began our careers here as a class, truly and purely in the embryonic stage of college life, we have already learned the value and meaning of real citizenship in this grand institution and we have looked forward eagerly to the time when this privilege is bestowed upon us. (We are proud of this privilege.)

In September, 1914, we entered Carnegie Tech as individual men, — no unity nothing to bind us together each other in bearing the brunt of all that goes to the traditional Plebe.

Today we stand a unified body, — organized — ready and willing to do our part in carrying on the work and promoting the welfare and interests of old Tech.

I speak as a Plebe and for the Plebes when I say we deem this a glorious privilege, for even now we have learned to love the place and stand ready to a man to earnestly and diligently strive to put forth the best that is in us in doing our

Gladly do we accept this fellowship and we realize to the fullest extent the obligations and responsibility placed upon every man of the Plebe classes in taking all that this means as his own.

Unfortunately, as classes, we are separate and distinct, but I voice the sentiments of every man I represent today in

First of all, we are men of Carnegie Tech — not students in the School of Applied Design, - not members of the Science school — but a band of Carnegie men with our highest aim and ambition to so conduct ourselves ourselves that may worthily uphold all the wealth of sentiment and tradition woven into this Tar-

Though still Plebes, we are today to burn the emblems of our class, - not as some would have them, badges of inferiority, but emblems typifying the period of our preparation to become worthy citizens of Carnegie Tech.

We shall always cherish tender memories of this period and its culmination in this day. As representative of the Plebe classes I would have you all know that our one motto shall always be — First and

After long wait, dormitories built

APRIL 8, 1915

To him who knows how to wait, at last it has come! For those of us who, temperamentally impulsive, do not know how to wait, probably because we realize so little the difficulties inherent to the doing of large things, the dormitory question seemed destined never to become a reality. No one realizes the painstaking efforts, the unbelievable patience, the delicacy of skill which have been necessary to make the dormitories at the Carnegie Institute of Technology a fact.

When the history of the work done by Director Hamerschlag in building up the schools is finally written, the dormitory question will assume its right magnitude and will occupy a preponderant part in the list of his achievements.

In keeping with the character of the school, the dormitories will be substantial, comfortable, hygienic, and democratic.

There will be no rich man or poor man unit; it will be an establishment in which the best spirit of Tech will be given and opportunity to reach its fullest expression, along the lines for which it has so far been known, namely clean living, hard work and unrivaled good fellowship.

For the present the buildings will consist of two units, each accommodating about one hundred students in sin-

gle and double rooms, steam heated, electrically lighted, with proper regard for area and ventilation and adequate toilet and bathing facilities. The furniture will be both decorative and substantial, and will meet the requirements expected.

When one realizes that the erection of the dormitories is absolutely a business venture and that in spite of the cost of land and building material in this district, the student will get larger rooms, better accommodations in a modern new building on Woodlawn Avenue within three hundred yards of the campus, at a price not greater than the one he now pays, the merits of the proposition are obvious.

The single rooms, furnished, will rent for about \$100 per school year, the double rooms (corner) \$150 - all other double rooms for \$140. The prices include heat, light, service and bedding except blankets.

Although a faculty proctor will reside in each unit, the student, in keeping with the democratic idea, will govern himself, the school authorities trusting that his sense of proportion will ever enable him to differentiate between freedom and license.

It is expected that at the beginning of the next school year, the two units will be completed, and unless we read the signs badly, will be filled before the first class is called in session.

Greetings from Andrew Carnegie

APRIL 29, 1915

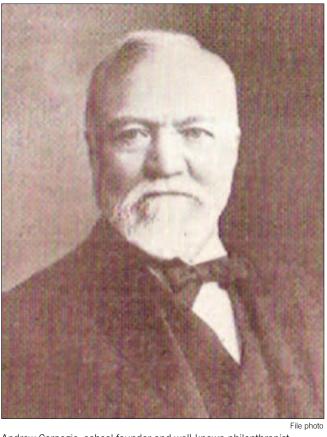
Is this, the most terrible, most destructive and most uncalled for of wars, to be the last between civilized nations? It certainly should be, and can easily be made so, and the world thus cleared of its greatest crime.

Arbitration tribunals have already pronounced righteous judgment in no less than six hundred and twenty-seven cases, and not one has been challenged. Four of the nations now engaged in war have resorted to arbitration before the Hague Tribunal for settlement of their disputes: France six times, Britain five, Germany three, Russia two, and the United States three

One of these disputes involved no less than twelve, another six nations, and the verdicts of the Tribunal were accepted without demur! When such peaceful settlement of international disputes is already within reach, why should not the nations named, inviting others to co-operate, agree that future differences shall be settled peacefully as these were?

They could go a step further, if necessary, and resolve that nations refusing to accept such peaceful settlement shall resort to war at their peril, since Arbitration had become the guardian angel of World Peace!

The five nations named, Britain, France, Germany, Russia and the United States, or substitutes for any of the five which may decline to act, have only to agree that



Andrew Carnegie, school founder and well-known philanthropist, penned this editorial in 1915 in reflection of the First World War, indicating that he hoped it to be the last war of its kind.

disputes arising between any of the nations shall be thus arbitrated and, behold, blessed peace ascends the throne; men cease to act like savage beasts, killing each other, and we have before us — War abolished, Peace enthroned.

We have a World Supreme Court in the Hague Tribunal, which has been in successful operation for 15 years. It was summoned by the present Russian Czar, to whom the world owes an unpayable debt. He desired the powers "to devise, if possible, a means to put an end to the incessant armaments, and to seek a means of warding off the calamities threatening the whole world." 26 nations responded to this first call; to his second call no less than 44 attended.

May it be his privilege soon to call the third Congress and thus, perhaps, perform the greatest service ever permitted to man.

Surely, after an armistice is established between the nations now unfortunately at war, the majority

of enlightened people in all civilized lands will realize that permanent world peace would be Earth's greatest blessing and is entirely practicable through a union of a very few powerful nations pledged to maintain it, and inviting all other civilized lands to become members thereof, each nation contributing to the cost of such union in proportion to its population and wealth.

As nations accepted peaceful arbitration, armies and navies would rapidly fade away because no longer necessary, and the prophecy would soon be fulfilled that "men shall learn war no more."

The Brotherhood of Man would then have arrived, and life on this Earth flash forth glimpses of Heaven.

Meanwhile let us pity and forgive those who urge increased armaments, for "they know not what they do." "Preparation for war" by one nation invariably leads to "preparation against war" by the nations alarmed or endangered, and armies and navies find no limit to their expansion — as has been amply proven.

"For what can war but endless war still breed?" asked Milton, poet and prophet, three centuries ago, and to this no answer has ever been or can be given! Let our motto, therefore, be "Preparation for World Peace," strong in the faith that under this holy banner there can be no such word

ANDREW CARNEGIE.



1964-1965

The Carnegie Tech Tartan

University proposes female students over 21 should have the right to live off campus

FEBRUARY 24, 1965

Sue Attinson

Proposed changes in Carnegie Tech women's housing regulation will be presented for President Stever's consideration by the Division of Student Affairs in the next few

The major proposal requests that "all senior girls and girls 21 and over should have the choice of either living in the dormitory or securing accommodations outside of the dormitory with parental approval."

According to George K. Brown, Dean of Student Affairs, such a proposal had been "in the minds of the Student Affairs Division for 2 or 3 years."

Late this fall, the division decided to make a survey of housing policy and facilities in other comparable universities.

While information was being obtained from the other institutions, Dean Milligan presented the housing proposal before Women's Dormitory Council. To determine the reaction of Morewood residents to the proposal Dorm Council distributed a questionnaire in December.

All but about 1 percent of the students responses were in favor of the proposal as

Of those of the class of 1966, more than 85 percent of



The Division of Student Affairs presented changes in the university's housing regulations for women over 21 years of age. The proposed regulation would allow females to live in off-campus instead of only on-campus housing — but only if they had their parents' approval. The proposal had been in the works for two to three years, but was finally announced in 1965, awaiting approval by University President Stever, pictured above.

the class of the 127 involved are definitely considering this move for next year. More than 90 percent of these students receive parental approval.

The percentage of underclassmen who are assured of parental approval for their senior year is above 85 percent.

Almost 90 percent of the girls would be living with other girls and near campus.

According to Dorm Council's formal reply to Dean Brown, "All respondees felt

After reviewing these results of the Dorm Council's survey and recognizing a trend toward the liberalizing of women's housing regulations in other institutions, the Division of Student Affairs suggested a further proposal. This proposal states that a section of Morewood Gardens, preferably a tower, be

tory. Though "very much in the thought stage," plans for such housing facilities would include a self-rule system and no curfews. Residents would be selected on the basis of class, age, and academic record.

If accepted by Dr. Stever, both proposals might go into effect next September. It is expected that Dr. Stever's decisions will be known before May 1965 room selections.

that this proposal would be set aside as an honor dormihighly beneficial to them as mature and responsible individuals."

GUEST EDITORIAL

Carnegie Tech should be able to attract better performers for events, say students

OCTOBER 21, 1964 Richard Elkman Elissa Parker

What is so wrong with Tech that it cannot obtain a name performer like Ray Charles, The Smothers Brothers, or the Chad Mitchell Trio for our big campus weekends? Why, when we are financially and academically compared to the University of Pennsylvania, Harvard University, and the Massachusetts Institute of Technology (MIT) do we fall short on big weekends?

fraternity houses to the campus, and create for the first time an All-Campus weekend. A student I.D. card would act as the ticket of admission to Friday night concerts, and weekend dances and parties. The Activities Fee could be broadened to cover other areas of campus activity, and actually become a cultural ticket. We could afford to bring in outstanding speakers and artists during the year, in addition to the benefits derived on Big Weekends.

Unfortunately we have to

"Already, Peter, Paul and Mary, Bob Dylan, the Limelighters, and The New Christy Minstrels are booked at other colleges. However, if acted upon immediately, our Friday night concert would consist of either Ray Charles, Chad Mitchell Trio, or the Smothers Brothers."

Why is our entertainment, the focus point of any college weekend, no more than a compromise?

The administration is deeply concerned with the apathy on campus, particularly in the men's dorms. Why is nothing being done, then, by the administration to encourage and increase participation and interest in school activities?

The administration supports our athletic teams and these teams include only a limited number of students. The Administration cannot, then, be expected to support big weekends, an endeavor involving a potentially huge percentage of the student body. Must we be forced to accept this logic?

Every big weekend is an attempt to work within a traditional structure with traditional financial constants. That year close to \$3,000 was delegated for Big Weekend Entertainment per semester. Five years and many tuition raises later, we are still working within an out-date \$3,000

budget. We propose, then, that an Activities Fee of \$3 be paid each semester by each student at registration to total \$9,000 budget for the weekend entertainment. The money could also be used to finance dances in the dorms, open the

be realistic. The administration could not act on this immediately, in fact, it would probably take a few years before the administration could get through the red-tape "necessary" to discuss this proposal.

Already, Peter, Paul and Mary; Bob Dylan; the Limelighters; and The New Christy Minstrels are booked at other colleges. However, if acted upon immediately, our Friday night concert would consist of either Ray Charles, Chad Mitchell Trio, or the Smothers Brothers. Friday afternoon, in addition to the other events we could afford a block party with either Bo Diddley, Hank Ballard and the Midnighters or The Coasters and their

Saturday evening we would have two top-named local bands with valuable door prizes. This weekend would cost \$10 per couple.

We are only able to do this with your support. If we are not able to increase our budget, the entertainment for Spring Carnival will consist of the Journeymen or the Highwaymen.

Let's break conservative tradition and support a Spring Carnival worthy of Tech's reputation. Stand behind something that would deny for once our pathetic complacency.

Pittsburgh college students participate in civil rights demonstrations in Alabama

MARCH 24, 1965 Mary Forrester

130 students from the University of Pittsburgh, Chatham College, Duquesne University, and Carnegie Tech participated in the civil rights demonstrations in Montgomery, Alabama last week.

The students, accompanied by religious leaders, including Rabbi Richard Rubenstein, left from Pitt in three buses, on Sunday, March 14. In Montgomery, they were hosted by religious groups. Most students slept on coats, blankets, and sleeping bags in the Jackson Street Baptist

On Monday night, about 40 students took part in a demonstration in Montgomery. There were no incidents on Monday, although many white citizens jeered the students.

At Tuesday's demonstrations, horsemen appeared in

dent injured on Tuesday, reto link arms, to sing 'We Shall

front of the demonstrators. The students were pushed also to see for myself if all re-Miss Ronna Siegel, a Pitt stu- against walls and porches. ports were true." Miss Siegel said that the ported, "When the horsemen horsemen used whips, rope, appeared, our leaders told us and canes to disperse the

"I was pleased to see that Carnegie Tech students are not only aware of today's problems, but are committed enough to take personal risks in showing where they stand."

> — Erwin R. Steinberg, dean of Margaret Morrison College

Overcome,' and to walk slowly back to the Baptist Church."

According to Miss Siegel, the horsemen attempted to separate the group. One part of the group was able to run, but the other was "cornered."

Many students explained that they felt it their duty to participate. Said Miss Siegel, "I went because I had to. I wanted to show how I felt about the atrocities committed in Selma, to protest, and

freely in the hope that he may be heard, to help him assert his

independence and his status of human being equal to myself." Shuch has had much experience in the field of civil rights. He feels that "It is a matter of conscience, a moral obligation. Anyone who does not feel this obligation should

Howard Shuch, Carnegie

Tech first-year, said, "I feel I

have a responsibility to my fel-

low man: to allow him to walk

in dignity where I am allowed

to do so; to help him to speak

not be in the movement." Erwin R. Steinberg, dean of Margaret Morrison College, commented, "I was concerned about the possibility that students might be hurt, but was pleased to see that Carnegie Tech students are not only aware of today's problems, but are committed enough to take personal risks in showing where they stand."

Students practice fly-catching in dormitories for biology projects

SEPTEMBER 30, 1964 Sue Attinson

Fly-catching is Carnegie Tech's newest athletic pursuit. Armed with bottles,

screens, boxes, and nets, the biology students of M-19 have spent several days at the garbage dumps of Skibo and Morewood. They are collecting flies for laboratory experimentation.

They've discovered that fly-catching requires great dexterity, keen eye-sight, and rapid eye-hand coordination. Maneuverability between the pails is also important.

Some use the "temptation" method of fly-catching. They fill the jars with jam and liver and leave them at the garbage dump overnight. Others attempt to capture an alighting fly with up and carpboard methods.

The best method, however, appears to be the "open-fisted" approach. According to students, one fly-catcher has captures six flies a session using this method.

A descriptive source reports that "my arm hangs limp; then I suddenly reach up and grab."

The biology students supply appropriate homes for their fly prisoners. Many use jars and gallon jugs with cheesecloth roofing.

Others have converted boxes into screened fly rooms; some have built airy-screened

One student applied carpentry techniques and built a ply-wood house with two doorways and interior shelving. These homes and their occupants are kept in the MMCC biology laboratory.

Students complain that flycatching is difficult but that transferral of flies from their temporary to their permanent quarters is even more trying.

There may be many captive flies in the biology lab, the students report, but here are many more that didn't quite make it.

FEATURE PHOTO



The men of Sigma Alpha Epsilon practice for Greek Sing, which, in 1965, was held in the Carngie Music Hall. Each group sang two a capella selections, and ten fraternities and five sororities participated.

CMU pledges \$41m donation to build university center

NOVEMBER 21, 1989

James B. Endres

After receiving word of large, as-yet anonymous intended donations to the capital campaign, Carnegie Mellon's Board of Trustees committed the University to the razing of Skibo and the construction of a new, \$41-million University Center.

The move places the University Center project as the "top priority" of the University's fundraising effort, according to the Vice President for Development David Maloney.

"It was voted that the Board of Trustees be committed to support fundraising for the University Center and that this project be a priority of the capital campaign," states the Trustee resolution. "It was further voted that this project be totally supported by fundraising proceeds."

The project entails a new campus activities center building that will replace Skibo and develop the surrounding area.

"We are launched on a campaign to plan and build the University Center from proceeds of our fundraising campaign," said President Richard Cyert.

Based on the three lead gifts, Cyert estimates that the ground will be broken for the new center in at most three years — "sooner if we can raise the money sooner." He speculated that the remaining money needed, which he described as "a little more than half," would be raised by that

Cyert indicated that he couldn't foresee raising the money in less than two years, however. Maloney, who heads the fundraising campaign, agreed with Cyert's estimates.

"The intended gift is very significant, and it enables us to move forward with great enthusiasm," Maloney said. He declined to be specific in terms of an actual dollar amount "until that person is willing to say 'go ahead and publicize

The new center may be named after the lead donor or his family; however, no decisions have been made. "I believe that for a person who is seriously interested in making a gift to the University Center," said Maloney, "part of the reason that they're saying 'I'd prefer if there was no publicity' is

because these particular arrangements have not been set. I think that's what's running through that person's mind."

"We are urging him to name it after his family or himself." said Cvert.

"The gift will be in cash and cash-type securities, so that it's not going to be a bequest,

problems," Cyert said.

"We think facilities can help things, but we intend to continue with a vigorous student affairs program that really tries to meet the needs of students. We got the Center as an important ingredient in improving the quality of life on campus," he said.

"The intended gift is very significant, and it enables us to move forward with great enthusiasm."

- David Maloney, vice president for development

or left in his will so we get it after he dies or anything of that kind. He is anxious to give his money to us as rapidly as possible," Cyert said.

"I sense in this a real enthusiasm," said Cyert. "It's the most enthusiastic I've seen Trustees. Everyone is convinced that this is necessary."

"We don't think that just having a facility is the answer to all of the student-life

Indeed, many administrators have expressed their hopes of improved quality of student life on the Center. "I want to see a lot more studentfaculty interaction," said Cyert. "We think this center can facilitate that interaction."

"In the terms of quality of life, the key is the interaction between students and faculty in my view," said Cyert. "We just need more of that."

two- to three-year timetable for the center is realistic.

"I know there have been these ideas that someone said that there was going to be a center in some quick period of time. I have always tried to be very honest and conservative about it.

"I was dragging my feet the whole concept until I really felt we had a good shot at raising the money and going ahead, and that I was convinced we should do it. I don't want to promise anything before we can deliver it," Cyert said.

Cyert and Keating agree that the \$41 million estimate is realistic. "We've got everything in this estimate — including the kitchen sink," said Cyert.

Keating expects student involvement in the planning stages of the Center

"As we move ahead with the design, we'll have extensive student input, [as well as input] from various organizations and groups, faculty, and various administrative and staff groups. These people are all going to have to help us design the building.

"We're going to need to

Cyert maintains that the know how to organize these spaces, how they should be configured, and what works and what doesn't work. There's going to be extensive input from people who will use the building," Keating

> A major question yet to be resolved is the accommodation of organizations now occupying Skibo during the building of the new Center. "We've been doing a lot of thinking about that. I don't think we've got the whole answer to that," said Cyert.

> "We certainly don't have the whole answer to that," said Keating. "The biggest step of course is going to be the dining hall in the new dorm. That's been done and accomplished."

> "The navy building happens to be absolutely perfect," said Keating. "It may become available at the right time; it has the right number of spaces. But we don't yet have it. it's clearly high on the list," he

Cyert indicated that the University is still exploring possibilities for interim accommodations. "There just is nothing definite," he said.

Cell phones ruin the charm of distance for us

JANUARY 30, 1990 Art Buchwald

Like so many people, Robert Shoun acquired a cellular he can't hear a word you're phone in 1990. This came as a surprise to his friends because Shoun hates phones and never answered his calls in the past. There is no doubt that Bob is enjoying his new toy. I know this because he called me four times in one

"How is everything with you?" he wanted to know.

"That's a stupid question, Bob. Why are you calling?"

"I got this new car phone and I have to ring somebody."

"You never telephoned when I needed you," I told him. "Now I hear from you all

Bob sounded defensive. "Can I help it if I prefer to call from my car? I just don't like doing it from the office."

"If you have to talk to someone, why don't you try calling your wife?"

"She isn't taking my calls anymore. She took her telephone off the hook two weeks ago."

"Surely you have some business buddies you can get in touch with," I said.

"I do," he answered. "But most of them are putting me on hold. They figure anyone who calls from a car phone doesn't have much to do. Give me a break — talk to me for the next three blocks."

"I ran out of things to say after you went through a red light on K Street last week. Bob, you should have thought of how many people would answer you calls before you bought the telephone."

"I did, but the ones I counted on let me down. You would think they'd be eager to converse with someone who was gridlocked in front of the White House."

"They are, but sometimes our phone fades out on them, Bob, and that can be very an-

"Who told you that my

phone faded out?" Bob asked. "Michael Kahme. He said that every time you ring him up, you pass a dead spot and

saying." 'He's just making it up. I am known to everyone because of the clarity of my

calls." "Bob, I have to go. Joe Califan is calling me from his car and he gets nervous when I leave him hanging."

"It's okay with me. I'm going to be busy. I have to dial the weather service and then 911 and after that the 800 number to order cutrate Pavarotti records."

'You'd be better off forgetting the phone and listening to your radio."

"You don't understand, a cellular phone has to be used. I keep looking at it and I know that there is someone out there waiting to hear from me. Maybe I'll call information in San Antonio."

"Do you know anyone in San Antonio?"

"No, but it would be nice to find out how many Shouns live in Texas."

"Tell me, Bob. Have you ever made a call that couldn't wait until you reached the office?'

"I don't think so, but I've made many to people who were terribly impressed when they found out that I was calling from my car. Once you have a phone in your automobile, others respect you for who you really are."

"That's probably true. Can I go now?"

"Okay, but you better a take the car number if you get the urge to talk to me."

"Why would I want to do

"To thank me for using

Art Buchwald wrote syndicated columns in The L.A. Times that reflected upon the impact of science and technology in our everyday lives that The Tartan reprinted.

Spring Carnival promises fun, festivity to students of Carnegie Mellon

APRIL 17, 1990 Dexter T. Kobayashi

When most people think about Spring Carnival, images of the booths, the bands, the buggy races, and the Scotch 'n' Soda production come to mind. Is there more to Carnival? Yes! Carnival is filled with enough activities to occupy every moment of the weekend extravaganza.

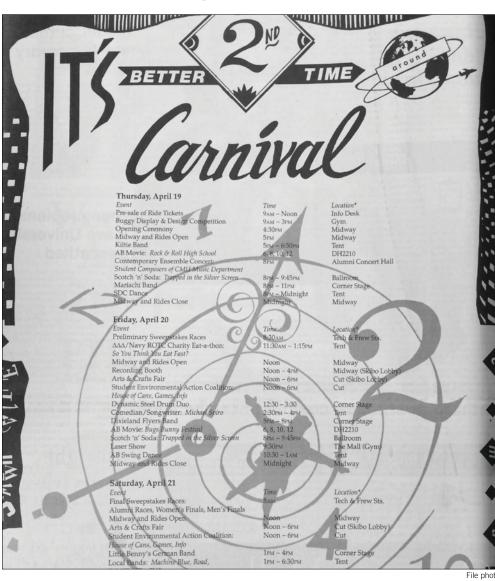
What carnival would be worth of the name if not for its rides? The same rides from last year will be offered again this year by J&J Amusements. Tickets will be available for pre-sale at the Skibo Info Desk from 9 a.m. to 5 p.m. until Wednesday. On Thursday, advance tickets will be available from 9 a.m. to noon.

After that, they will be sold at the price of 30¢ each near the rides on Midway, which is located on the Skibo parking lot. Tickets for the children's rides will be on sale in the Warner Hall parking lot. Ticket sellers are still needed. If you are interested, call Rides Chair Frank DiVito at x2119.

The rides will be started after the opening ceremonies. This year, the opening ceremonies feature four companions of Dave Lamont who will dive out of an airplane from 4000 feet in the air.

Dave Lamont is an adjunct professor in the Graduate School of Industrial Administration and is also a skydiver, but could not jump due to technicalities. The four dives will land at 5 p.m. on the Cut between Warner Hall and the Skibo parking lot. Lamont will be on the ground setting up the landing sites and will talk about what the divers will be

A returning attraction will be the laser show. Last year the gym was packed with people watching the show. This is the second year that the laser show will be be showing and this year, if the weather permits, it will be shown outdoors on the Mall at 9:30 p.m. on Friday. In the event of rain, the event will take place in the



This ad was featured in the April 17, 1990 issue of The Tartan. Below the graphic, a list of events was featured, including a laser show, an eating contest, and the AB film of the week: Buggs Boney Festival.

If the weather continues to be good on Saturday, hot air balloon rides will be offered from 2 p.m. to 5 p.m. The balloon rides are paid for by the student activities fee. The balloon will go up by Warner Hall to a height of 75 feet, giving each rider a birds-eye view of the campus.

Two charity events will be held over Spring Carnival to benefit the Children's Hospital of Pittsburgh. The first one is the Charity Eat-a-Thon, organized by Delta Delta Delta and Navy ROTC.

Teams and individuals will compete for cash and various other prizes donated by local businesses. The object is to eat Jell-O in the shortest amount of time. The second event with be Charitable Chairs, organized by co-ed service fraternity Alpha Phi Omega. This will be the sixth year in which the giant musical chairs game is played at Carnival.

Student Environmental Action Coalition (SEAC) members will present a house made out of aluminum cans as part of Earth Day. Inside the structure will be displays about the environment.

On Earth Day, the Sunday of Carnival, SEAC will take the fortress down to Point Park, Pittsburgh's Earth Day center.

Two comedians, Michael Spiro and Henry Cho, will be performing during Carnival. Spiro is a folk singer who used to perform every year during first-year Orientation and Carnival. He is returning after a two year break.

Cho has been on various TV programs, but will be performing at Carnegie Mellon for the first time in the AB Cof-

What makes him unique is the fact that he is an Asian comedian with a southern accent. Spiro will perform from 2:30 to 4 p.m. on Friday and Cho will be performing at 8 p.m. Saturday. Both comedians are performing in the Tent and the shows are free to the

Along with these activities are the regular weekend AB and SDC movies, a recording booth, the annual Arts & Crafts Fair, an AB Swing Dance, an exhibition by the Carnegie Mellon Navy ROTC Drill Team, and the AB concert featuring Oingo Boingo.

THE TARTAN

Entertainment industry must adapt and change to fit our needs

APRIL 11, 2005

Rachel Berkowitz

It seems fair to consider today's American society to be part of the Modern Age. Sure, we don't have flying cars yet, but I think the political, sociological, and technological infrastructures here are more than sufficient for us to consider ourselves modern. In a similar fashion, I think that we are living in the modern era in the world of entertainment. Naturally, artists and entertainers are still doing their best to find new and creative ways to stimulate the senses. Yet, the basic knowledge of what things tickle peoples' fancies, as well as the technology used in making music, movies, etc., is pretty well established.

That having been said, I've noticed that we have a lot of completely useless forms of entertainment that were at one time popular but are at the moment surviving only to preserve tradition. Now don't get me wrong — some traditional things are fine and well, but it's silly to hang on to an art or entertainment form just because people liked it hundreds of years ago. Instead, we should let go of the past and support the elimination of superfluous media. Here are two

The first up on my list is a fairly easy target: the opera. I'd include ballet in this complaint, but my sister dances ballet and hate mail from a close relative is much worse than the normal hate mail I get. Anyway, it is crystal clear that it is time to close the book on the opera game. Back in the 1800s, or whenever it first started (I don't have a research budget), I'm sure opera was top-notch. I bet they even had scalpers at all the top European houses. Back then, all of the classic composers were at the top of their games (I'm making this up, but it seems reasonable. They must have had a heyday at some point,

But, let's face facts: it's 2005. We have PlayStation 2, where the controllers vibrate when your character gets hit. We've all seen Star Wars and *The Matrix*. There have been 50 years of recorded rock music. With such modern electronic wonders available, it just isn't possible that highpitched (very high-pitched) singing in a foreign language is reeling in a whole lot of youngsters these days. It's unclear to me, personally, why it

ever was in vogue, but that's

hang on for a while longer in Italy or something like that, Furthermore, it seems very just to satisfy the tradition-

"The powers-that-be in the realms of opera and boxing, I'm asking you sincerely: Give it a rest. We have plenty of great entertainment options, thanks, and things will be much easier on us all if you stop trying to be relevant."

unlikely that many of the great young musical minds of today have opera on their minds. Thus, I propose that the opera community should just simply call it quits. No more performances, no more compositions, and most importantly, no pretentious monocle-wearing people having to pretend that they find it enjoyable. Hold a press conference and say, "Look, it was a good run, but we've realized that opera is outdated and it's time for us to move on. Thanks for your support over the years. It's been fun."

Maybe opera could even

alists. Or maybe just have a museum that nobody visits. Either way, it's time to stop acting like having a relatively unpopular thing like opera around gives us "culture," everyone's favorite code word for boring.

Sports, both televised and live, are major players in modern entertainment. The Big Four (football, basketball, baseball, hockey) are all over the network, and cable airwaves' football basically approaches the level of national religion when it's in full swing. With those and a handful of other excellent niche sports,

fans of athletic competition have more than enough to keep themselves busy. So, why on Earth is boxing still around? The early popularity of boxing is not hard to understand: It was easier for old-time sportsmen to grasp the concept of beating their opponents senseless than to worry about full counts and first downs.

Plus, it was one of the first popular televised sports (along with pro wrestling) simply because it was easy to film. But now that we have our well-designed modern games and broadcasting techniques, there's really no need for prizefighting to continue just because it used to be popular. The sport's visibility has been waning pretty much since Rocky IV. I doubt anyone reading this can even name the heavyweight champion of the world at the moment (no, it isn't Mike Tyson) despite the fact that there are roughly

eight of them. It's clear that 21st century sports fans prefer the more refined violence of the gridiron, where although it is often advantageous to concuss your opponent, it's not actually required to achieve victory. The solution to boxing's fading hold on sports fans is clear: Simply get rid of it. Trust me, no one other than pay-per-view executives and casino owners are going to notice. Get with the opera people and coordinate press conferences if you like. The "sweet science," as boxing is often bizarrely called, should just ride off into the sunset, and its participants' brain cells will forever thank them.

The powers-that-be in the realms of opera and boxing, I'm asking you sincerely: Give it a rest. We have plenty of great entertainment options, thanks, and things will be much easier on us all if you stop trying to be relevant. There are tons of other "classic" forms of entertainment that have had their moment in the sun and should think about retirement.

I could have written this entire column about circuses. Plus, I've restricted myself to things popular in the relatively untraditional U.S. Lord only knows what sort of outdated arts and entertainment is foisting itself on the rest of the world. I think that most unpopular forms of entertainment will eventually go away out of public apathy, but I say that's not soon enough.

Tepper School hacked, data of 6000 stolen

APRIL 25, 2005 Alexandra Kilduff

On April 10, officials at the Tepper School of Business discovered that a hacker had broken into a number of computers in the school and possibly compromised the personal information of up to 6000 people.

According to the Pittsburgh Post-Gazette article, information regarding graduate students, alumni, faculty, and staff was the most vulnerable. Although undergraduates were notified of the problem on April 20, they have not, as of yet, been directly affected.

Roger Ma, a fifth-year scholar and an undergraduate in the Tepper School, said that the administration "sent something to the whole Tepper School of Business [saying that] that the computers were compromised," but that they did not believe undergraduates' information had been affected. Overall, Ma does not believe that the breach is a major concern for undergraduates.

Among information sent out to students was an email from Milton L. Cofield, the executive director of the business administration program, and a notification from Joel Smith, Vice Provost of Computing Services.

Smith's e-mail states, "Much of the information compromised in these incidents was not on servers but rather desktop or laptop computers. So, this is not a message exclusively to system administrators. It is a message to everyone who uses a computer at Carnegie Mellon."

According to Tepper's director of public relations, Michael Laffin, the incident was discovered some time around 10 p.m. on April 10, although it was "difficult to pinpoint"

the exact time. As for how many computers are compromised, Laffin said, "I know that at one point there was a preliminary number," but that he was not sure. He believed that compromised personal information included applicant data such as Social Security numbers, contact information, grade-point averages, and standardized test

Laffin also told the Post-Gazette that the reason for the ten-day delay between the breach's discovery and student notification was so that the school could directly contact students and alumni who might have been af-

As of yet, there has been no reported evidence that anyone's information has been misused. However, students in the Tepper School of Business are encouraged to keep an eye out to make sure that their information is not being compromised. The Federal Trade Commission suggests watching for warning signs in the case of identity theft, such as unsolicited mail or calls from debtors or credit card companies with which students are not involved.

Students should also check their credit card statements every three months initially, and if they are concerned they are victims of fraud, should close existing credit card or bank accounts.

This security breach is just one of several technological incidents that have affected college campuses recently. Roughly one month ago, the Tepper School became a target when a website error allowed applicants to the school to see their acceptance status. However, the Post-Gazette reports that Laffin does not see a link between this incident and any previous ones.

Pittsburgh's worst restaurants: where not to dine during your duration at CMU

APRIL 25, 2005 Alisha Bagat

Restaurant reviews are notoriously kind. But after spending months telling you you should not eat. Let me clarify, though: I only focused on restaurants that claim to be good and are not. At places like the 'O' and Ritter's Diner, there are no claims that the food tastes good. The restaurants below are more like carnival rides; at first, they seem appealing. But just because your friends are going doesn't mean you're just going to have less money in your pocket afterwards: You'll also have an upset stomach.

India Garden India Garden has, by far, the worst waiters in all of Pittsburgh. The service there is truly atrocious. Unlike other ethnic restaurants where the menu is enthusiastically explained, India Garden workers just don't care. I have dined there with a group of Indians who tried in vain to engage with the waiters in Hindi when asking about specific dishes. I have also been there with Americans who meekly asked the waiters the differences between one dish and another to no response. In fact, the waiters did not respond to either group and

gave everyone the same rude treatment. At least they don't discriminate.

The menu itself is characteristic of low-end Indian restaurants, featuring the same where to eat in Pittsburgh, I standard dishes as Taste of reservations, you have no full meal at the Melting Pot, want to let you know where India and Indian Oven. Most choice but to wait for up to of their vegetable dishes are so overcooked that they have the consistency of mush. India Garden draws a large halfpriced food crowd since it was the only Indian food that was half-priced for a while. However, last week I discovered the newly opened restaurant, Bombay Palace, on nearby Semple Street. Not only is the food significantly better than India Garden, but their halfprice starts at 9:30 pm.

Joe Mama's

Joe Mama's is a mediocre restaurant at best. I like to think of it as a crappier version of the Olive Garden. It's like they took something bad. and made it worse. If you want real Italian food, try Girasole in Shadyside. If you want halfpriced food, the pasta selections at Fuel and Fuddle are much better than those at Joe Mama's. Experience has led me to believe that even a dish like spaghetti is better at Eat 'n Park than at Joe Mama's.

The Cheesecake Factory

The Cheesecake Factory is a horrible restaurant in ways

too numerous to count. I can guarantee you that you will have to wait an unreasonably long time to be seated, regardless of when you go. Because the restaurant doesn't take

two hours to be seated. The atmosphere inside is that of a giant eating warehouse. There are no intimate tables and no secluded booths where you can enjoy a meal in peace. This is a restaurant dreamt up for suburbanites who like everything big, bland, and loud. In fact, most of the diners seemed to have flocked to the Cheesecake Factory from out of town

As for the food: Everything on the menu is good, but nothing is spectacular. Furthermore, one entree can feed a family of four. No joke, I have been there with my family and the four of us ordered one appetizer, one entrée, and one dessert. The noise level of the restaurant, with screaming kids and noisy families, makes you feel like you are back in a summer camp mess hall. Better food can be had elsewhere in the South Side.

The Melting Pot

The Melting Pot in Station Square may initially seem appealing, as it is a fonduethemed restaurant. Do not be tempted. On the night I dined there, the restaurant was

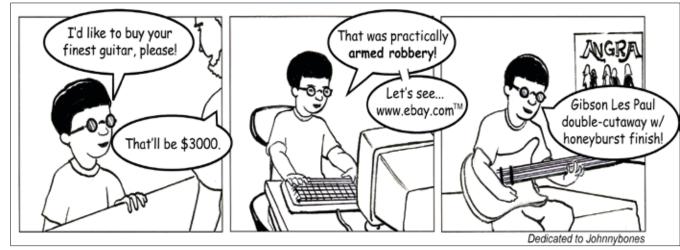
filled with people on dates who had never eaten there before: a dangerous sign. Upon being seated, I found the prices to be astronomical for the type of food offered. To eat a be prepared to spend around \$40-50 per person.

Furthermore, the wait staff is overly insistent. My waiter, a Pitt student, proceeded to talk to my table for 30 minutes about how he was getting into real estate investments. He then continued with his hard sell of the deluxe dinner package, around \$65 per person, which we repeatedly declined. Upscale romantic restaurants in Pittsburgh are plentiful. The next time you are looking for a good date restaurant, try one of the South Side's other establishments like Le Pommier: a fraction of the price for exponentially better food.

Cozumel

I only go to Cozumel for drinks, but every time I go, I am shocked at the number of people actually eating there. Cozumel claims to serve authentic Mexican food. I have to disagree. Refried beans that come out of a can and lots of cheese does not make food Mexican. Not only is the cost high and the portion size small, but the food looks and tastes like someone bought it cheap from Taco Bell and rearranged it on a plate.

IN COMICS



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will resemble video games

APRIL 12, 2010 Dylan Mori

What attracts people to video games varies: For some it's the competition, for some it's about problem solving, and for others it's just recreational.

However, according to one Carnegie Mellon professor, life may one day resemble the games that so many enjoy, as more companies and businesses are making products that take advantage of popular elements of video games.

Jesse Schell is a professor of game design and teaches the popular Building Virtual Worlds course in the Entertainment Technology Center. He also owns his own line of video games, Schell Games. He coined the term "Gamepocalypse" in order to describe what he thinks is life's resemblance to a video game. "We already see games creeping up into our everyday lives in all kinds of funny ways," Schell noted in an interview with *The Escapist* magazine.

Schell cited several examples of Gamepocalypse in the same interview, including Starbucks using a point system in order to provide its customers with rewards such as coupons and price reductions. Schell credits new developments in tracking technology as a catalyst for Gamepocalypse. Schell points at input technologies in games like Dance Dance Revolution and the Wii remote, which tracks the movement of the body and makes it a part of gameplay. Such input technology can also be seen in recent gadgets such as smartphones and GPS systems.

Schell also noted that camera technologies will be the next big step in input technology. The Internet and Wi-Fi will also contribute to Gamepocalypse growth in the coming years, Schell predicts. "Anything meaningful that you do in your life," Schell said, "there are ways that you'll want to hook it up to the Internet." Indeed, with technologies like Nike+ shoes, which measure the number of steps taken while wearing them and can be connected to computers via USB, connectivity is very much already a large part of life.

Much of this Internet accessibility is a wise market strategy on behalf of companies. Interconnectivity between companies is becoming common. For example, becoming a fan of Bing on Facebook earns a user Farmville points. All of these industries benefit from that one decision to earn points.

Gamepocalypse, however, has its downsides. On the one hand, it benefits individuals; according to Schell, "when people observe [changes that the games make that impact them], they change their behaviors for the better."

On the other hand, some sectors, such as the tobacco industry and fast food, might take advantage of their own point incentives and potentially endanger individuals' health. The choices, Schell admitted, are becoming harder.

Professor predicts future life Obama visits CMU campus, will resemble video games details successes, plans



President Barack Obama visited Carnegie Mellon on June 2, 2010 to discuss his successes in office so far.

AUGUST 23, 2010 Patrick Gage Kelley Stuti Pandey

President Barack Obama came to Carnegie Mellon on June 2 as the most recent in a series of notable political visitors, including Michelle Obama, John McCain, and Chelsea Clinton. Announced only four days in advance, the purpose of the president's visit was to give a speech that centered on the economy, energy,

education, and innovation. In his speech, Obama was quick to declare that the steps his administration has taken have "succeeded in breaking the freefall of the economy," pointing to increasing jobs over the last five months, recovered costs from supporting the automotive and financial industries, and those companies once again producing

However, with a recovering yet "fragile" economy, Obama spent the majority of his speech discussing how we can invest in the future of the country.

He made several references to improving America's higher education system by making it more accessible to all students.

"To achieve my goal of ensuring America once more has the highest proportion of college graduates in the world by 2020, we passed a law that will make college more affordable by ending the unnecessary taxpayer subsidies that go to financial institutions for student loans," he said. "It's a bill that will also revitalize our community colleges, which are a career pathway to the children of so many working families."

While the government works to create more college graduates and strengthen community colleges, Carnegie Mellon President Jared Cohon emphasized that Carnegie Mellon would not fit either of these two categories. "We are not going to grow in size. We won't be graduating more students.... However, there's a way that we are already helping," Cohon said, referring to Obama's mention of "educational software that's as effective and engaging as a personal tutor."

"We have already created what everybody acknowledges to be the best class of that

force," Cohon said. "We have already created OLI [Open Learning Initiative], which comes out of path-breaking research from our faculty, and this has received a lot of attention from the Obama administration, and they have been very supportive and will support us more to develop and migrate courses to community colleges."

In terms of energy, Obama referenced the Deepwater Horizon oil spill in the Gulf of Mexico as a reason to push for the future of clean energy. 'We also have to acknowledge that an America run solely on fossil fuels should not be the vision we have for our children and our grandchildren," he said.

Lee Branstetter, an associate professor of economics and public policy, emphasized what Obama's push for clean energy could mean for the U.S. economy. "Trying to make the political case for transition to [a] cleaner economy, it makes sense to emphasize job creation. The installation of windmills, solar power facilities, development of nuclear power plants, development of natural gas plants — all of this installation and construction is fairly labor-constructive. If you have a policy in place that leads to rapid introduction of these technologies, then yes,

you will create these jobs." However, while Branstetter spoke in praise of a price on carbon emissions — "As an economist, I was pleased to see the emphasis the president placed on that policy," he said — he believes there is still work to be done in bringing this message to the popu-

"As the public is taking stock of the oil spill, this is a moment where [the] average American may be prompted to reconsider reliance on fossil fuel as a national energy strategy," he said. "I also think it's true that most voters do not understand what it means to put a price on carbon; what they hear is you are going to put a price on my import that makes it more expensive. There hasn't been an effort to reach out to voters and educate them on the issue using language they can understand."

In his focus on innovation as the route to change in economy, education, and energy, Obama aligned his message with the spirit of Pittsburgh. "And when that [steel] industry shrank and so many jobs were lost, who could have guessed that Pittsburgh would fare better than many other Rust Belt cities and reemerge as a center for technology and green jobs, health care, and education?" he said.

As with the G-20 summit held here in September 2009, Pittsburgh continues to serve as an example of success through the recent recession. Cohon is aware of the attention this brings to the university. "As the president said, Pittsburgh is a leading example of an industrial city that has transformed itself economically, and I think the recognizes administration that Carnegie Mellon is a major actor in that ongoing transformation," Cohon said.

And while most reacted positively to the president's appearance on campus, others were disappointed in the small size of the event and it being "invitation only."

Negative sentiment was also expressed by individuals outside of the campus community. Alex Lotorto, an East Liberty resident and Industrial Workers of the World member, held a large sign reading "FREE GAZA" outside the event. Lotorto hoped to express his discontent at the president's visit and the policies that he has implemented.

The government's response to Lotorto's expression was not what he had hoped. "The state police and Secret Service showed up at my house to question my mom. I was upset and angry because it stressed her out and it is unfair that they would do something like that, and I'm looking into violation of my civil rights," Lotorto said.

Regardless of the potential unfairness of Lotorto's situation, the community was forced to deal with serious security surrounding the event, as well as an entire day of closed campus services in the University Center.

These measures were deemed necessary, though, as the administration chose to host President Obama, positioning Carnegie Mellon as a center of innovation as it plans for the future of the country and the remainder of Obama's term and beyond.

Student organizations collaborate, respond to Haitian earthquake

FEBRUARY 1, 2010 Dylan Mori

When an earthquake struck the island nation of Haiti nearly three weeks ago, the United States was quick to respond. Carnegie Mellon students were encouraged by faculty, student government, and the many service organizations on campus to send whatever help they could to the millions of affected Haitians. Carnegie Mellon's Division of Student Affairs and student government organized and headed various events to help the cause, while hundreds of students went to great lengths to show their support for Haiti relief.

Student Body President Rotimi Abimbola was responsible for organizing the groups and encouraging collaboration across organizations. Two days after the first quake struck, nearly 20 campus groups met to discuss their options. "Everybody had [a] small idea of what they wanted to do," said Abimbola. "Everyone wanted to do something."

These small ideas grew at an unmatched pace. Over the past two weeks, hundreds of dollars were collected and sent to nonprofit organizations like Doctors Without Borders and the Brother's Brothers Foundation. Services were held in the form of prayer groups and candlelit vigils to honor those who lost their lives and their loved ones.

Students also tried to address the serious medical issues facing Haiti in the aftermath of the earthquake. Around campus, groups set up boxes that encouraged students to deposit hygienic items to send to the victims, including buckets, hairbrushes, toothpaste, and toothbrushes. Other divisions of Carnegie Mellon, including the Silicon Valley campus in California, pledged support.

"Haiti's always been really unfortunate," said firstyear computer science major Sammy Jelin, who collected donations on behalf of Student Life. "It's good people



Bins popped up on campus in February of 2010 to encourage students to donate to the citizens of the island nation of Haiti which had been

are helping out."

Besides funds, Carnegie Mellon has also been utilizing its technological expertise. The Language Technologies Institute has worked on an updated translation system using new translating technology to convert Creole, the language spoken by most of Haiti's population, into other languages, including French, the language spoken by much of Haiti's upper class.

ravaged by an earthquake three weeks before.

Once the translation data becomes available in a readable format, the Paris organization Translators Without Borders has promised to distribute it to relief workers in

Bridging communication gaps is a crucial step in providing relief. Abimbola has seen firsthand the importance of translating in her experience with caring for orphans who moved from Haiti to Pittsburgh. She expressed her frustration at being unable to reassure these Haitian children of their safety and wellbeing, and that it "broke [her]

Carnegie Mellon has also considered the future of Haiti, and has taken several paths to contribute to the long-term recovery of the nation.

Once the funds have been finalized, they will be distributed to their respective char-

ity organizations as soon as possible. Carnegie Mellon has also not ruled out the possibility of taking on another project such as, Abimbola alluded, the reconstruction of a school and sending Carnegie Mellon students to Haiti as teachers. The School of Drama's class of 2010 plans to dedicate their senior cabaret to Haiti and its reconstruction. An unnamed alumnus has pledged to match whatever amount of money Carnegie Mellon raises, dollar for dollar, with a donation of their

The relief effort has not been without controversy and conflict. One of the organizations to which Carnegie Mellon has pledged funds, Haitian singer Wyclef Jean's Yéle foundation, has been under scrutiny for misdirecting

Such exploitation has left many feeling unwilling to donate without seeing the changes that their money will

Despite the long road to recovery ahead and the obstacles presently facing students, Abimbola believes that the campus community remains dedicated to joining together. "Despite our roles as organization leaders and students on campus," she said, "you can still do things to help."

2013-2014

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concert decided

MARCH 24, 2014 Lilah Buchanan

After much anticipation, Activities Board Concerts announced on Wednesday at 11:59 p.m. this year's Spring Carnival concert performers: Icona Pop and Mac Miller. Icona Pop is a Swedish DJ duo with an emphasis on electro house and indie pop.

The duo gained attention in the United States for their song "I Love It" in 2012. Mac Miller, a rapper and Pittsburgh native, is most popular for his song "Party on Fifth

AB Concerts co-chairs junior computer science major Rebecca Paren and senior human-computer interaction and business administration double major Ronny Ho explained their selection, saying that because it's so difficult to please the campus as whole, they liked the idea of selecting two distinct artists to appeal to a wider audience.

The selection process started with a collective brainstorming session, Ho said. "Literally on a chalk board — everyone just name-drops artists and bands," Ho described.

Paren and Ho are excited for Mac Miller; they both liked the idea of featuring an artist from the Pittsburgh area for the 100th Spring Carnival. They are also excited to host an up-and-coming foreign group like Icona

The student body's reaction is mixed. Icona Pop has generally garnered more excitement than Mac Miller. The co-chairs explained that the AB Concerts board always expects mixed feelings about their decisions.

"We want the student body to understand we aren't choosing people we love." Paren said, "Our musical interests do not influence who we pick. We want to do what's best for the campus with the money and timing we have."

Carnival 'First Lectures' series debuts with Chadderton, MacGillivray



File photo by Michelle Wan

Senior civil and environmental engineering and engineering and public policy double major Colin Chadderton presents his 'First Lecture' in the series that premiered in 2014, funded and organized by Senate.

APRIL 20, 2014 Chloe Thompson

Senior biological sciences and psychology major Lindsay MacGillivray and civil and environmental engineering and engineering and public policy double major Colin Chadderton gave lectures on the meaning of success last Thursday. The talks took place in Porter Hall, and were part of a series called The First Lectures, an initiative hosted by Student Senate and spearheaded by first-year economics and statistics double major Vaasavi Unnava. The First Lectures are meant as a homage to Randy Pausch's The Last Lecture, which talked about achieving your childhood dreams. The topic of both Chadderton and MacGillivray's speeches was the meaning of success.

Chadderton spoke first, and took the stage dressed in because people become exa dark blue onesie, which he took off during his introduction to reveal a more conventional button-down shirt. "We're just gonna roll with it. It's gonna be fun," Chadderton said. His lecture relied on PowerPoint slides that illustrated his talking points, the most salient of which were a series of "peaks and valleys" Chadderton experienced during his time at Carnegie Mellon.

Chadderton described how his first year of school was academically overwhelming, and he struggled to keep up with his classes. He stated

that he compared himself to his classmates and found himself lacking. However, he eventually found his footing by asking for help and getting more organized. He said "I learned how to survive here. But to thrive here, I needed to change my definition of

worth." He went on to describe the importance of doing your best and not only comparing yourself to others. Soon after, he became an RA. Chadderton said that being part of Student Life taught him the importance of being comfortable even in uncomfortable situations and that life is a fishbowl and people are always paying attention. Therefore, it is always important to be mindful of one's behavior.

Chadderton's final point in his lecture was the importance of accepting change, tremely different over the course of a single day. Chadderton framed that as a good and natural thing, saying, "If you're the same person you were three months ago, you aren't doing it right."

MacGillivray took slightly different approach to the topic of success. She opened her presentation with various pieces of advice she'd received in her life, such as, "you learn the most from your friends," which one of her friends told her, and "always undercook your brownies,"

which her mother told her. MacGillivray

discussed her academic troubles at the inception of her career here at Carnegie Mellon. She struggled, but thought that her difficulties meant that she should be at a different school. Unfortunately, this became a circuitous problem. As a former mechanical engineering major, MacGillivray was unhappy with her coursework. She said "I didn't like what I was studying, so I didn't work very hard, so I didn't do well, which meant I didn't like what I was studying." Ultimately, MacGillivray changed her major and became much happier and more successful in her classes.

The next point in MacGillivray's lecture was a more scientific examination of what success is. She came to the conclusion that success begets success — as the feeling of success makes one part of the brain light up, these chemical signals can travel to different parts of the brain, which continues the cycle.

MacGillivray emphasized that an important part of feeling successful is checking on one's endeavors more frequently.

MacGillivray urged her audience to break success down into more manageable sizes. "I propose we look at success in smaller pieces," she said.

MacGillivray also stressed the importance of changing tactics that are not effective. "If you haven't been successful once, you can't just try harder."

CMU celebrates 100th Carnival

APRIL 14, 2014 Chris Galvin

Carnegie Mellon students, faculty, alumni, and members of the surrounding community gathered in the Morewood parking lot on Thursday afternoon for the official kickoff of Spring Carnival, the Midway Opening Ceremony, made even more special by the fact that it was kicking off the 100th Carnival.

The ceremony featured speeches from Head of Booth and senior information systems major Rachel Crown, Dean of Student Affairs Gina Casalegno, university President Subra Suresh, Pittsburgh Mayor Bill Peduto, and Spring Carnival Committee Co-Chairs senior lighting design major Jackson Gallagher and senior statistics major Emily Hrin, with the rest of the members of the Spring Carnival Committee watching from scaffolding behind

Many of the speakers acknowledged Carnival's importance to the university community, a nod to the fact that this is Carnegie Mellon's 100th Carnival.

"Carnival is a tradition we all hold very dear in our hearts," Hrin said. "Carnival has existed for a hundred years while the university has lasted for about 110. So Carnival started very early on in this university's life."

"There's one common theme that stands true throughout the last hundred years of Carnival in that it is the time for the entire campus body to come together, unite, and have a weekend of fun and excitement," Gallagher said.

"I didn't realize how important the hundred year. anniversary was until [Hrin] said that Carnegie Mellon's only been around for 110 years," said sophomore mechanical engineering major Deepak Gopalakrishnan.

"After watching the ceremony, I understand why it's a big deal, why the hundred year anniversary is so important," he said.

Other speakers remarked on the varied traditions of Carnival and their evolution over time, mentioning Buggy, Booth, plank jousting, circuses, canoe tilts, and bear wrestling.

"[Booth] is only the beginning of what carnival has to offer," Casalegno said. "This year, and like in the past several years, Booth is a representation of the ways that Carnival has grown over the last hundred years."

"[Carnival] is a celebration of everything that is CMU, through the buggies, and the booths ... and everything else that is a part of it that brings the alumni and the community back," Peduto said.

Many speakers commented on the pride in Carnegie Mellon and fellow students that Spring Carnival generates.

"[Carnival] is the best weekend to be a Tartan at Carnegie Mellon," Casalegno said.

"In a uniquely Carnegie Mellon way, this event also brings together the creative spirit of the Carnegie Mellon community," Suresh said.

Carnival's ability to connect Carnegie Mellon students and alumni with the surrounding Pittsburgh neighborhoods and foster a sense of community was also a popular topic.

"Carnival is one of the city of Pittsburgh's longest running traditions," Peduto said. "It is something that not only includes the university but the community as well."

"In addition to being a tradition, the Carnival has also evolved over the last several years as the main focal point to connect with the region and the city," Suresh said.

Each speaker thanked the Spring Carnival Committee, as well as other members of the Carnegie Mellon community, who gave their time and efforts to create this year's Carnival

"I liked that the Carnival Committee was up on the scaffolds during the whole ceremony," said Sloane Macklin, a first-year biomedical engineering and materials science and engineering double major. "I liked that they got recognition for all their hard work."

The ceremony concluded with the cutting of the ribbon to Midway's entrance and a performance by the Carnegie Mellon Kiltie Band.

"Let's cut this ribbon and get this party started!" Pedu-

Glasner, Ray elected as SBP, SBVP in 2014 StuGov elections

APRIL 7, 2014 Brent Heard

Junior electrical and computer engineering and business administration double major Ian Glasner was elected student body president (SBP) and junior biological sciences major Shalini Ray was elected student body vice president

Additionally, the student body voted sophomore electrical and computer engineering major Divya Kothandapani as student body vice president for finance (SBVPF) and sophomore computer science and math double major Jack Michalak as student body vice president for organizations (SBVPO).

Student voter turnout showed a slight increase over previous years, with 17.9 percent of total students voting. 32.21 percent of undergraduate students cast their votes, as compared to 30 percent in 2013. Graduate student voting decreased, however, with only

3.32 percent of Carnegie Mellon's graduate population voting, a small drop from the 3.94 percent who voted in 2013.

Glasner and Ray ran their SBP/SBVP ticket on a platform of getting students more involved in their representation, promising to push for a number of reforms including restructuring dining plans to be more desirable to upperclassmen and changing the school's dorm alcohol policy to one which uses an internal system rather than one which involves the police, similar to the system currently in place at Ivy League universities.

While not designating one policy as a top priority, Glasner said, "I'm very passionate about dining, and I'm also passionate about looking into the current alcohol policy on campus."

"I think every change that I want to happen is going to be a year's process, if not more," Glasner continued. "So, getting them all started at the beginning of the year is going to mean weekly meetings with administration, bringing students on board, and getting student feedback."

Kothandapani campaigned on her experience serving on the university's Joint Funding Committee (JFC) and promised to provide an easier-tounderstand budget process for student organizations.

Kothandapani said that "starting the application for next year's JFC reps" would be her first task when taking

Michalak built his campaign around a set of reforms beginning with the organization recognition process, setting up a better system for student organizations to receive advice, and creating an improved system for room registration.

Michalak recalled the wishes of current SBVPO and international relations and politics and psychology double major Corinne Rockoff. "She really wanted someone with the experience to take over the posi-



lan Glasner (left) and Shalini Ray (right) were elected last year as the

student body president and vice president, respectively. tion," Michalak said. "I wanted to be able to make sure somebody with the experience rele-

vant to the position got it, and the best way to do that was to

"A lot of people see the organizations of Carnegie Mellon as the bread and butter of

the university," Michalak said, stating that he wished to immediately focus on improving the organization recognition process and encourage graduate student participation and representation in student organizations.

Ray spoke of her joint can-

didacy with Glasner, saying, "It ended up being the perfect relationship, because we weren't best buddies before we came in, so we had that sense of respect for each other. But now we get along so well; we will crack jokes with each other all the time." She added, "It's great. I honestly love working with him."

"From what I've seen so far, we work very well together," Glasner agreed. "There hasn't been too much experience on the working relationship between the two of us because the work's just started."

Ray encouraged students, saying, "Don't be hesitant to approach us with anything. We have enough experience to make things work.'

Glasner stated that he was honored to have been elected as SBP and said, "I really want to help improve the student experience at Carnegie Mellon, and if anyone has good ideas, I absolutely want them to share them with me. I look forward to a productive year."

B8 « thetartan.org/special The Tartan » April 7, 2014

Alumni Calendar

THURSDAY 4.16

Alumni Faculty & Staff Grab'n'Go Breakfast

Alumni House, 5017 Forbes Avenue, 1st floor and porch. 8:30 a.m.-10:30 a.m. The Office of Alumni Relations & Annual Giving invites over 1,000 alumni who are faculty and staff to a breakfast in honor of their continued commitment and service to their alma mater.

CIA Alumni Brunch

Cohon University Center, Danforth Lounge (2nd Floor). 8:30 a.m.-11:30 a.m. Carnegie Involvement Association (CIA) alumni and family are welcome to stop in before the Buggy Showcase. Come in, have chocolate chip pancakes, and talk with the current students of CIA.

Buggy Showcase (formerly Buggy Design Comp)

Cohon University Center, Wiegand Gym.

Come view the current and latest buggy designs, talk with the teams, view race day footage from previous years, and see the vintage buggy display sponsored by Buggy Alumni Association. New this year: interactive Kidzone with an opportunity to sit in "Junior," as well as build and race your own Lego buggy.

Spring Carnival Midway Opening Ceremony

Midway (Morewood Lot). 3-3:30 p.m. Join the Spring Carnival committee, Pipe Band, and, of course, Scotty as we celebrate the opening of Midway! Be sure to stop by the Alumni Association Tent — just look for the giant inflatable Scotty dog!

Carnival Check-In & Welcome Area (CUC) Cohon University Center, Wean Commons (1st Floor). 3–6 p.m.

Be sure to make this your very first stop when you get to campus to register for the weekend, pick up a weekend brochure (so you know exactly what to do and where to go), and get your free Carnival souvenir!

Alumni Association Welcome Tent (Midway)

Midway, Morewood Lot. 3-6 p.m. After you check out all of the awesome Booths, be sure to: take a selfie or group shot at our Photo Booth, spin the Philanthropy Wheel, and (if you didn't already get one), pick up your free Carnival souvenir.

Kiltie Band Concert

Midway (Morewood Lot) Main Tent.

3:30-4:30 p.m.

What better way to open Carnival and Midway than with the infamous "Band without Pants?"

Activities Board Spring Carnival Comedy Show: HBO's Silicon Valley co-stars Kumail Nanjiani and Thomas Middleditch Midway, Morewood Lot, Main Tent (Rain

location: Wiegand Gym, Cohon University

Center). 7:30 p.m.-9:30 p.m. Thomas Middleditch is a comedian, TV writer, and the breakout star of Silicon Valley. He has appeared in Jake and Amir, CollegeHumor Originals, Key and Peele, The Wolf of Wall Street, and The Office. Kumail Nanjiani is an actor and comedian who has appeared in Portlandia, Franklin & Bash, Veep, and Adventure Time. He is the co-host of Comedy Central's The Meltdown with Jonah and Kumail, and his comedy special Beta Male aired on the channel in 2013. He also co-hosts the Nerdist podcast The Indoor Kids with his wife Emily V. Gordon.

Carnival Fireworks

Morewood Parking Lot. 9-9:20 p.m.

FRIDAY 4.17

Buggy Alumni Association Welcome Tent The Chute. 8 a.m.-12 p.m.

Stop by the Buggy Alumni Welcome Tent for information about race day.

CIT Carnival Alumni Brunch

Roberts Engineering Hall, Singleton Room and Atrium (4th Floor). 9 a.m.-11 a.m. Join Dean Jim Garrett and fellow CIT alumni, students and family members at CIT's annual Carnival Brunch. Enjoy delicious food and catch up with old friends or make new ones.

Buggy Alumni Association Luncheon Baker Hall, Coffee Lounge. 12:30 p.m.-2

Join us for a buffet lunch, connect with alumni across teams and eras, and support the coolest sport we know! Registration is \$10 for non-members, while the event is free for members and children under 12.

Buggy Alumni Panel

Baker Hall, Giant Eagle Auditorium. 2-3:30 p.m.

Buggy is something you'll never find anywhere else, and it's been an integral part of the Carnegie Mellon experience for 95 years. Come hear from a select group of Buggy Alumni as they recount memories, swap stories, and share what really goes on "behind the scenes."

Activities Board Student-Alumni Mixer Cohon University Center, Peter and Wright

Rooms (2nd Floor). 2-3:30 p.m. A social gathering for all alumni and current members of Activities Board committees to mix and mingle, and enjoy some treats while catching up with old and new friends.

ChemE Alumni, Faculty & Student Mixer Doherty Hall, Room A100, Rothfus Lab. 2-3 p.m.

ChemE alumni are invited to join the faculty & students in the Rothfus lab for a meet and greet with refreshments. Catch up on what's new with student & faculty research projects, visit the Unit Ops lab, and take a tour of the renovated space in Doherty Hall.

Heinz College Alumni and Faculty Recep-

Hamburg Hall, Foyer. 5–7 p.m. Please join fellow alumni, faculty, and students for the annual Spring Carnival Reception. Enjoy hors d'oeuvres and beverages while catching up with classmates and meeting fellow members of the Heinz Community. See Heinz College Calendar of Events to RSVP and for additional details.

Scotch'n'Soda Production: Merrily We Roll Along

Cohon University Center, Rangos Hall (2nd Floor). 7-10 p.m.

Come see Scotch'n'Soda's Carnival Production of Stephen Sondheim and George Furth's Merrily We Roll Along. Take a journey through the memories of Frank Shepherd, a renowned Broadway composer, to discover that even when you get everything you ever wanted, you may lose everything you ever had. Cost to attend is \$10 for adults and \$5 for current students and children 12 and under.

Shot for Shot Student Film Festival

Cohon University Center, McConomy Auditorium (1st Floor). 8-11 p.m. Pittsburgh's premier student film festival, Shot for Shot is a curated evening of cinema created by Pittsburgh's budding filmmakers, featuring submissions from Carnegie Mellon, Duquesne, Pitt, Chatham, and Point Park. Films will be accompanied by complimentary food and drink, panel Q&A sessions, and an awards ceremony. This event is free and open to the public.

SATURDAY 4.18

Alumni House Open House

Alumni House, 5017 Forbes Avenue. 12–2 Stop by to get an insider's look at the

renovated Alumni House. Please note, only the first floor is handicapped-accessible.

Class of 1975 Reunion

Cohon University Center, Danforth Lounge (2nd Floor). 1–3 p.m.

Join classmates for a casual lunch while catching up and sharing memories. Families welcome. Registration is \$10; the event is free for children under 12.

Tartan Alumni Reception

Cohon University Center, The Tartan, Room 314. 2-3 p.m.

Join alumni of The Tartan and members of its current staff for the opportunity to meet, reconnect, and share stories. Light refreshments will be provided.

80s and 90s Alumni Happy Hour

Cohon University Center, Alumni Lounge (1st Floor). 4-6 p.m.

If you graduated in the 1980s or 1990s, this happy hour is for you! Be sure to bring some memorabilia to share, including some favorite memories/stories and pranks (come on, we know you were involved!). Sponsored by the Classes of 1980, 1985, 1990, and 1995. Registration is \$20; attendance is restricted to alumni and their families.

1970's Scottish Beer Tasting

Cohon University Center, Danforth Lounge (2nd Floor). 4-6 p.m.

Join classmates and friends in a celebration for ALL alumni from 1970 through 1979, hosted by the classes of 1970 and 1975. Registration is \$20; Attendance is restricted to alumni and their families.

Spring Carnival & Sweepstakes Award Ceremony

Midway, Morewood Lot, Main Tent. 4:30-6

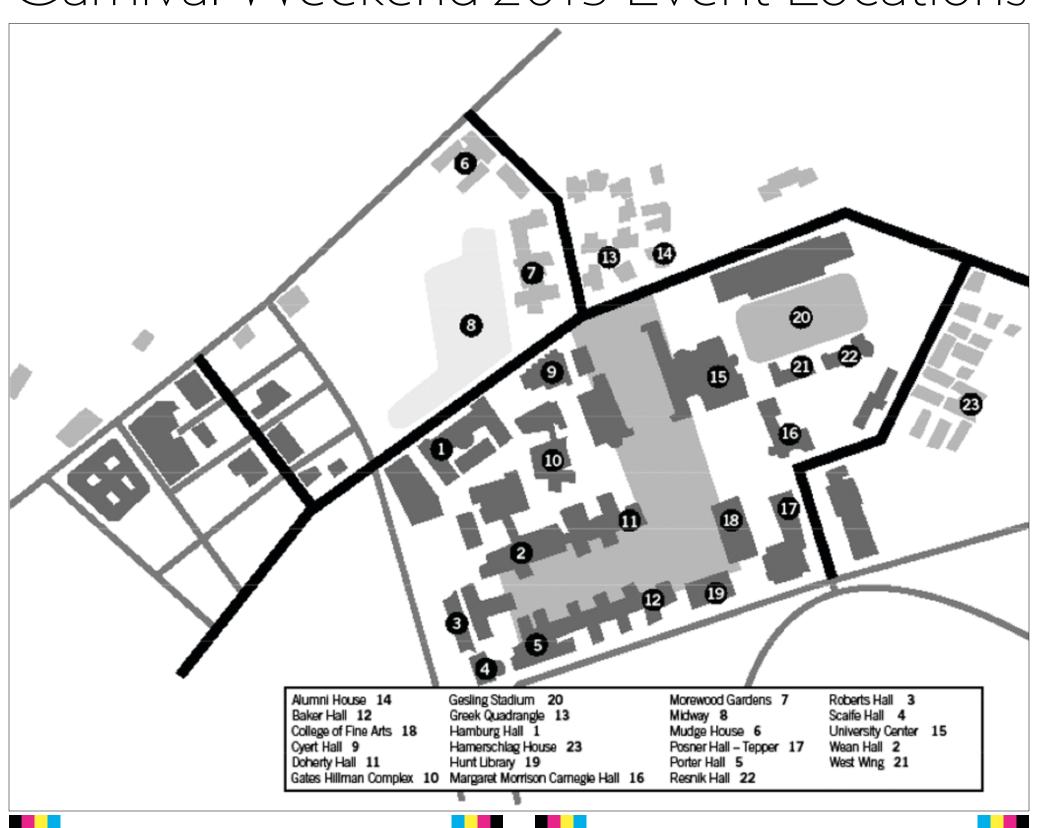
Classes of the 2000s Happy Hour

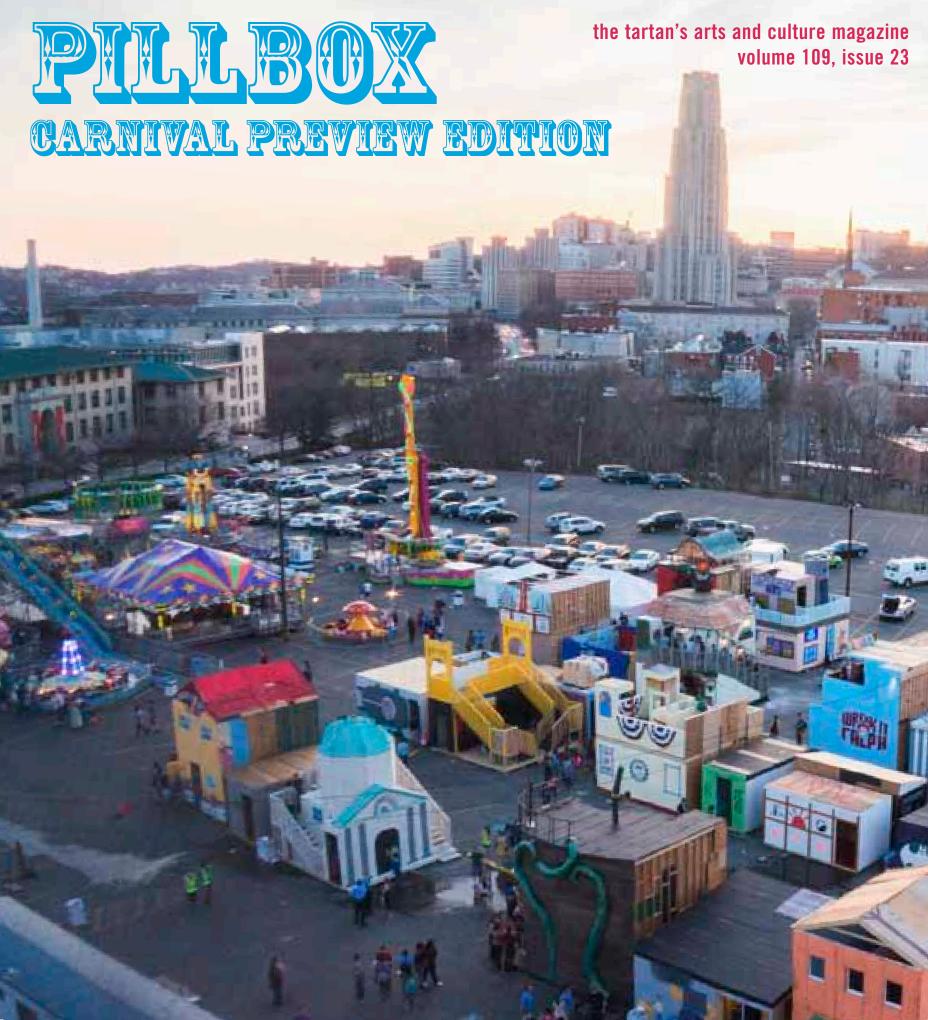
Resnik Hall, Tartans Pavilion. 5-7 p.m. Join classmates and friends in a celebration for all alumni from 2000 on. Registration is \$5; Attendance is restricted to alumni and their families.

Activities Board Spring Carnival Concert: Matt and Kim with RJD2

The Mall, (Rain location: Wiegand Gym, Cohon University Center). 7:30–10 p.m. Tickets are sold out!

arnival Weekend 2015 Event Locations







...this week only

3 Jane the Virgin

Award-winning television show captures nuances of Latin-American families.

4 Court

Carnegie Mellon closes International Film Festival with Indian film about court system.

5 Love Illuminated

Editor of *The New York Times* Modern Love column promotes new book at Pitt.

6 Three Sisters

Chekhov play about 19th-century Russian life opens in Chosky Theatre.

7 Carnival

Learn about all the art-centered happenings going on around campus in honor of Carnival.

8.9 Carnival Map

Find your way around the crowds and exciting happenings with this helpful map.

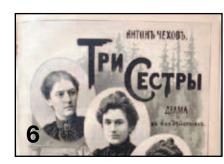
1() Opera

Vocal performance majors show off their year's work in a collection of operatic scenes.









...diversions

regulars...

Advice

Evan gives diverse advice this week, addressing issues of love and appropriate attire.

7 Movies

Into the Woods and Penguins of Madagascar are playing in McConomy this coming week.

15 Calendar

Take advantage of fun Pittsburgh stuff before finals tackle you!

11,12 Comics

A man tries to tell a bird joke to a bird, and has questionable success.

13 Puzzles

If you went to the puzzle competition this weekend, I guarantee these are easier.

14 Horoscopes

How do the stars recommend you take advantage of your Carnival days?

A modern day telenovela

Jane the Virgin an honest portrayal Latin-American culture

The typical Latin-American teenager has seen their fair share of telenovelas. From watching RBD perform in *Rebelde* in Middle School, to a million other shows about people staring at each other for excruciatingly long periods of time, the telenovela is a cultural phenomenon in all of Latin America — it is one of the unifying threads for all of us. The difference that makes *Jane the Virgin* so good is that, unlike with telenovelas, the show is rooted in reality and has amazing actors that make the characters personable.

The basic premise of the show is simple: Jane is a virgin, but she is also pregnant after getting accidentally inseminated. The father is the owner of the hotel where she works; his wife was getting the insemination without his knowledge in order to get money out of him, and the doctor that inseminated Jane is the father's sister.

From that point on, the storyline gets more complicated and intertwined, just like any good telenovela. The show, however, manages to put all of these storylines together and pulls it off with great aplomb. The reason why the show can make it work is simple: Gina Rodríguez. The breakout star that is Gina was mostly unknown in the entertainment industry until this point. She had some minor roles in some movies and a soap opera, but her portrayal of Jane in this show brought her to the mainstream and even gave her her first Golden Globe award.

That being said, she's not the only shining star in the cast. Justin Baldoni, famous for his proposal that went viral a few years ago, plays Rafael Solano (the father of the baby) in a way that makes him bold and sincere and extremely approachable. Ivonne Coll, former Miss Puerto Rico, plays Alba Villanueva (Jane's grandmother) as the classic latin grandmother: lovable, strict, wise, and always right. Her character is portrayed with perfect composure, and every Latin person will understand her role and connect with it. The fact that she only speaks Spanish and subtitles are shown when she speaks is a character choice that makes perfect sense. At the time she was supposed to have emigrated from Venezuela, she would not have been able to grasp the language as well as her daughter would, especially since her contact would have been mostly within the family. Coll can speak English perfectly, and she has done so in many other movies and TV shows, but this character choice really makes her the truest version of her character possible.

One of the better parts of the show is the inclusion of an actual telenovela star playing an

overdramatic telenovela star (Jane's estranged father who doesn't know he has a daughter). Jaime Camil has starred in countless telenovelas and has hosted many other Spanish shows. His character is basically himself, but more grandiose, and much more driven by the fame that comes with being an actor. The character is essentially the comic relief of the show and can be so one-dimensional at times that his character becomes a great reason to watch the show.

Ultimately, the characters and their portrayal really drive this show and make it better than it would seem on paper. They stay rooted in reality and the actors portray them as honestly as they can, giving the show a sense of understanding of where they are and where they should be going. It's an honest portrayal of a modern Latin family living under a series of very rare — yet very plausible — circumstances.

José Lopez | Staffwriter



Courtesy of Dominick D via Wikimedia Creative Commons
Gina Rodriquez won a Golden Globe Award for her
hysterical rendering of Jane.

Advice for awkward people

About exes and annoying professors...

Dear Evan,

My ex is coming back for Carnival, and she texted me last night asking if I wanted to hang out with her over the weekend. I was planning on being crossfaded out of my mind for my last Carnival - nothing beats fried Oreos and Booth while you're tripping - but if I say yes, I'm going to have to stay pretty sober, so that I don't do anything stupid like follow her when I graduate. She lives in Detroit, and I'd rather not end up trying to find a job or internship there.

I mean, are there even any jobs in Detroit?

Flummoxed, EXpecting Overzealous Debauchery Upon Sight

Dear EX-ODUS,

Why do you need to be sober when you see her? She'll probably understand, and she'll probably be pretty plastered, too. If not, well, you hold no obligation to show yourself at your best. So what if you flirt with her unabashedly at a party, then shout that you see a little silhouetto of a man — Scaramouch! Scaramouch! — and ask him to do the fandango? It's Carnival — anything goes.

If you have attachment issues, it won't be hard to avoid your ex. There are at least 50 parties you can go to at any point during the weekend; if you know she's going to one on Beeler, just head to the house across the street.

Or buy all the fried Oreos at Booth eat them at home every night,

Evan Kahn

Dear Evan,

Yesterday, one of my professors spent our entire recitation lecturing us on how to dress for interviews. Her suggestions were trite, and her borderline-offensive tone made everyone pretty uncomfortable. When she used pictures of people in class to illustrate her point, I got up and left out of anger.

How can I best make her feel bad about ruining our recitation?

Irked, Puked Robustly Out of Unfettered Displeasure, Speculating Lashing Out at Buffoon

Dear PROUD SLOB,

She's harping on how Carnegie Mellon students dress? She may as well be telling Kanye how to speak at awards ceremonies. It's futile.

But really, who takes class time away to comment on their students' appearances, unless they're distracting from the learning environment? You should complain to the Dean. That's just plain insulting.

Or put warm taffy on her chair and ruin her Versace dress.

Evan Kahn

Send your queries to advice@thetartan.org

Film Festival finishes season

Indian film Court plays to round out a month's worth of films

Saturday night marked the end of the almost month-long run of Carnegie Mellon's student-run International Film Festival: Faces of Work.

The small audience in McConomy Auditorium listened to the kind words of thanks that Festival Director Jolanta Lion gave to students who helped her and individuals who supported the film festival. Lauralei Kraski, assistant to the director, also expressed her appreciation to those who put so much time into the festival's construction, as well as audience members, many of whom went to multiple film festival showings.

Prior to the screening of the evening's feature film, the audience was shown a documentary short by the late Professor Paul S. Goodman, to whom the festival was dedicated. In addition to being a professor of organizational psychology at Carnegie Mellon, Goodman was the director of the Institute for Strategic Development and the director of the Center for the Management of Technology. Much beloved by the university community, Goodman was also an avid filmmaker responsible for numerous short documentaries chronicling individuals in the workplace and detailing how work was and is defined in America.

The short showed at the film festival was called *Waitress*. It consisted of narration by Goodman, and extensive interviews with Toni, a waitress with 23 years of experience at Scotty's Diner here in Pittsburgh. Though a little campy, the film was satisfying and, dare I say it, adorably dated, having been filmed in 1996. The ten minutes or so of the film included very '90s hairstyles in addition to some interesting reflections on being a waitress from Toni. It was gratifying to witness the work of a Carnegie Mellon professor be so appreciated.

The final film in the Festival, an Indian film from 2014, Court, dealt with so many themes that it was a little difficult to understand the film's message. Though that might have been a part of the film's artistic point, Director Chaitanya Tamhane's first feature production dealt with issues of bureaucracy, artistic expression, classism, and racism throughout. The film follows the incarceration and court dates of self-proclaimed "folk musician" Narayan Kamble, who is brought into court on the transparently flawed charge of "abetting suicide." The prosecution claims that Kamble incited a sewer worker to commit suicide after allegedly encouraging all sewer workers to kill themselves. What follows is an understated and honest portrayal of India's flawed justice system. Kamble's trial is postponed multiple times, the investigating officer collaborates with the only witness for the prosecution, and all the while Kamble's health deteriorates in a prison cell.

Kamble's devoted lawyer Vinay Vora seems resigned whenever they postpone the trial to a date, often a month or more in the future even after just a few minutes of procedure. There is no outcry for court reform in the movie. Once, prosecutor Nutan complains about the

duration of this trial, but she does not frame it explicitly as a fault of the system. In this particular conversation, she discusses the speed with which judges can get through cases that come to court. This sort of conversation, skirting around the edge of the issue at hand, is largely what makes the film's critiques so powerful.

The private lives of Vora and Nutan bring to light a fascinating dichotomy. Vora comes from a family of great wealth. His position as a lawyer is not the most frugal or the most natural for a man of his status. There exists tension, but also extreme luxury. One scene shows Vora hanging out with friends in an upscale bar with live, Western-style music, in comparison to Kamble's folk music. In another scene he picks up a plethora of very fancy cheeses in a nice grocery store. Even though he comes from a place of elevated status, Vora still wishes to help those less fortunate than himself. He feels a moral responsibility for his clients that are victims of the system, such as Kamble.

On the other hand, public defender Nutan comes from a social strata more similar to those who are facing court charges. Though she is not an evil character, Nutan does not feel the same level of social responsibility.

Chock-a-block full of thought-provoking contradictions, *Court* is a nuanced exploration of various social issues in India. Though I think it would have been useful to enter the film knowing a little bit more about the Indian legal system and social issues of the area, the film managed to convey many important points I understood, despite my personal ignorance.

Most importantly, *Court* closed Carnegie Mellon's Film Festival powerfully. The fact that Carnegie Mellon is the home of the only student-run international film festival in the country is truly amazing. Movies have the power to transcend cultures, religions, and ideologies, making film a powerful tool for educating people around the globe. I sincerely hope to see next year's attendance to this spectacular month of thoughtful art increase.

Lula Beresford | Pillbox Editor



Asking the big questions about love

Editor of the New York Times Modern Love Column promotes book Love Illuminated

"Do you think it's better to put a lot of effort into finding love, or leave it to fate?"

That's the first question of Daniel Jones' quiz, a love quiz he felt was important to put in his new book, Love Illuminated.

Daniel Jones, the Editor of the *New York Times* Modern Love Column, wants you to know that he doesn't know much about love. For the last 10 years, he's been reading millions of stories from all across the country where people open their hearts to him in letters and e-mails. He's listened, read, thought about, was inspired by, felt sad and angry, but if you ask him about love, and what it means, how to get it, and how to keep it, he is as clueless as the rest of us.

On Wednesday night, in a small crowded classroom at the University of Pittsburgh, members of the Pittsburgh community gathered to hear from the man who has read it all. Five minutes before the event started, I looked around the room to see many young college students of all genders scrolling through their newsfeeds, sitting side by side with elderly couples adjusting their hearing aids.

It's curious how at all phases in our lives, we're drawn to a conversation in the hope of learning more about love.

But Jones made it clear: He doesn't have answers. But the audience was not there simply for answers, neat ends, or instructions. Jones' conversation incited the audience to talk about the messiness of love. He didn't limit the evening to a discussion of romantic love as he touched on the complexities of the love of parents, children, and complicated emotions that are introduced by death, and even the way love is experienced through the adoption of a child.

Jones encouraged the audience to talk about questions, ones that are complicated and messy. Questions ranged from ones that addressed modern day expressions of affection and sentiment, such as "Do you think a relationship conducted purely online, via words, images, emoticons, and texting shorthand can be as fulfilling as or possibly even more fulfilling than one conducted in person?" to the age old, "How much self-sacrifice can love reasonably require? And what happens when the person you promised to love no longer seems to be the person you're married to?".

This is how Jones' book is structured. *Love Illuminated* has 10 different chapters, each of which focuses on big, messy questions and pulls incredible, thought-provoking stories from his column.

During the event, Jones spoke in a quiet and humble tone. He told lots of jokes, but he didn't come across



Courtesy of Gazzetenet via Wikimedia Creative Commons

Daniel Jones often gets thousands of stories and musings in response to his columns in The New York Times.

as pompous. Two authors joined him during the event: Pitt professor Aubrey Hirsh, who wrote a Modern Love column titled, "In Matters of the Heart We're In This Together" about a literal and metaphorical heartbreak, and Lori Jakiela who wrote "The Plain, Unmarked Box Arrived" about a sex chair for herself and her husband.

When you read some of these columns, you can see why Jones selects these stories. They are poignant and important and well-written.

Jones also told us an important story about how he met his wife. In it, he answers the question, "If a word like destiny makes you gag, should you still try to believe in it?".

I read Love Illuminated at a time when I needed it. After recognizing a huge distance between my perception of love and some messiness I was experiencing, I turned to the internet to find answers. It's easy to find answers about love on the internet. Google "how to know if someone cares about you," or "how to know when it's time to break up" and you'll find tons of so-called experts who promise that raised eyebrows mean interest and no phone call for 48 hours means a break-up. But oftentimes we are self-confirming in our searches. We only register information that we want to hear. That's why the book and the column are so refreshing. After reading, I didn't know a single new "rule" about love; instead I had a better framework for understanding about why I may have had such unrealistic expectations in the first place.

Jones' book, column, and incredible Emmy-nominated animated video series offer the kind of advice people can use to grow rather than "know." Love is messy and unique and difficult and short and long and real and imaginary. It is whatever you experience it to be.

When an audience member asked if his views on love are more pessimistic or optimistic after Jones finished reading, he says that many readers ask him why the column is so depressing. There are not very many happy endings, because in life there are also not many happy endings. However, Jones says he's optimistic because despite a lack of fairy tale weddings, he says that he feels learning from an experience is the most important part. "If you go through something, and learn something ... that's an optimistic concept for me."

Veronica Gnaman | Junior Staffwriter

Travel back in time to 19th-century Russia

Three Sisters by Chekhov is a timeless and authentic tale of love, death, and enlightenment

Watching Chekhov's Three Sisters at Purnell's Philip Chosky Theatre was seeing reality splayed across a 19th-century Russian backdrop. The characters are authentic — hopeful and hurting and flawed, so real that their lives seem to spill over into ours. And despite, or perhaps because of, the constant meditations on posterity, the entire production seems incredibly immediate, as if it were written last week instead of a hundred years ago. The themes — love, family, death and enlightenment — are as timeless as writing itself. Who hasn't longed for a bygone time, a lost love, or a better future at some point?

Pamela Berlin, director of the *Three Sisters*, manages a heavy, lumbering machine with numerous turning wheels. Make no mistake, there are no one-dimensional characters here. Each and every one is fleshed out, given meaning, motivation and an overarching story intricate enough to exist as a stand-alone play. Even so, they all seem to come together and complement each other, not like neat pieces in a puzzle, but like we might do with our own friends and family. Speaking of us, as the audience, we're always aware of the multiplicity of personalities elbowing each other for space on the larger canvas, which is itself barely capable of keeping it all contained. Even so, Berlin effectively brings it all together with extraordinary delicacy and balance.

The play starts with the three sisters just entering adulthood, full of dreams and optimism. Olga, the eldest, played by senior acting major Kelsey Carthew, is the maternal figure in the family. Kind and caring, particularly to her household

servants, she is a teacher at the local high school. Masha, the middle sister, played by senior acting major Colleen Pulawski, is somewhat unhappy with her marriage, and falls head over heels for the idealistic Lieutenant-Colonel Vershinin in the opening scene. The most direct character by far, Masha has a caustic wit that is a frequent source of humor. Irina, the youngest, played by senior acting major Olivia Lemmon, is an unabashed idealist. Fascinated by trivial things like a spinning top, she longs to return to the hustle and bustle of Moscow, and disdains the inertia that has befallen the so-called "gentry" of Russia.

Another important character is the brother of the three: Andrei, played by senior acting major Ben Edelman. He starts out as a man of learning, on the fast track to becoming a professor in Moscow. He also happens to be in love with a commoner called Natasha, much to the chagrin of the rest of his family. Natasha, played by senior acting major Cathryn Dylan, is another central character. She starts out a victim, mocked for her taste by the others, before going on to ironically turn the tables on the others.

All said and done, however, *Three Sisters* is no family soap opera. What was even more impressive than the depth of personalities was the depth of ideas on display. Characters ruminate on imposing ideas: Where will the world be in a hundred years, why do we need to do good productive work, how can we leave a legacy for eternity, and what is the purpose of knowledge, if not for the sake of itself? Besides being openly debated and discussed, these ideas are the

underlying motivations that lead characters to make the decisions they do. Ultimately, I felt like I was watching life play out as it does, unscripted and untidy, all the while being aware of the underlying framework governing it all.

There are also no big, climactic events in *Three Sisters*. Earth shattering developments occur throughout, yet they are never given center stage. Instead, the audience sees a fluid stream of anticlimaxes that we come to terms with long after the fact. *Three Sisters* is undoubtedly an exhausting performance to watch, because it hits us little by little, until we are eventually aware of everything that has transpired before our eyes. The grand optimism expressed in the first act is gradually killed by a thousand cuts that we don't see coming until the very end, by which point we are far too invested to not be heartbroken.

Three Sisters might make you smile, or it might make you cry. The characters might win your empathy for their struggles, or they might garner your disdain for their vapidness. What the entire experience will definitely make you do, however, is think. You'll think about yourself, your friends and family, and your world at large, and come to realize that even though there may be uncertainty and darkness at every turn ahead, it's the little things that add up to light the way.

Abhishek Tayal | Staffwriter



Carnival abounds with artistic expression

Enjoy the talent and creativity of students and visitors during the best week of the year

Kiltie Band Concert.

Thursday, April 16. 3:30-4:30 p.m. Midway Main Tent.

Come hear the dulcet tones of one of Carnegie Mellon's most beloved — and weirdest — musical ensembles. Even if you are just walking around Midway, you are sure to hear the wonderful musical talents of Carnegie Mellon students. Self-recognized as "the band without pants," Kiltie Band is guaranteed to take you on a slightly confusing, bizarre, hat-oriented, and energetic musical journey.

AB's Spring Carnival Comedy Show.

Thursday, April 16. 7:30-9:30 p.m. Midway Main Tent. Rain location: Wiegand Gym.

Two of HBO's Silicon Valley regulars are coming to Carnegie Mellon for an evening of near-constant laughter. Tom Middleditch is opening for Kumail Nanjiani, and both promise to be an absolute riot. Last year's Spring Carnival Show, hosted by Activities Board, featured comedian Tig Notaro yelling at a student blankly eating a turkey leg, and headliner Hannibal Buress making completely justified fun of Google Glass. If you are a fan of comedians, self-deprecation, and trying new things, try to make it to the Comedy Show. Snag a ticket off someone who has one, but doesn't feel like going for whatever reason. They are lame, and you will have a hugely fun evening.

Carnival Fireworks.

Thursday, April 16. 9:00 p.m. Midway. Hopefully this will happen, even though the weather doesn't look fabulous. Join the rest of the Carnegie Mellon community to watch beautiful fireworks that make your stomach rumble. It's always a weirdly special treat to see fireworks that aren't on the Fourth of July or New Year's.

Holi.

Friday, April 17. 12-3 p.m. Schenley Park.

Come on out to celebrate the spring festival of Holi! Take part in the beautiful and colorful festivities, during which people get covered with colored powder and everybody runs around in the meadow and takes comfort in the fact that the miserable Pittsburgh winter is over. Though not explicitly artistic, the colors — and the food that will be served (if you have a ticket) — will definitely make an emotional impression.

Shot for Shot Student Film Festival.

Friday, April 17. 7:30 p.m. McConomy Auditorium.

Organized by the Carnegie Mellon Film Club, Shot for Shot Student Film Festival shows student-made films from around Pittsburgh. The festival's goal is to incite conversation about the films, as well as connect young, aspiring filmmakers to professionals already working in the field. An often hidden community at Carnegie Mellon, the whole campus can take advantage of this showcase to see what young filmmakers here in Pittsburgh are up to.

Scotch'n'Soda's Merrily We Roll Along.

Friday, April 17. 2 p.m. and 7 p.m. Saturday, April 18. 2 p.m. and 11 p.m. McConomy Auditorium.

Steven Sondheim's tour de force musical Merrily We Roll Along is a poignant examination of all that friendship is, can be, and has been. Oftentimes sad, and sometimes gloriously happy, this beautiful musical explores all that friendships are, and how they endure — or do not endure — life's complexities.

AB Spring Carnival Concert.

Saturday, April 18. 7:30 p.m. The Mall. Rain location: Wiegand Gym.

Matt & Kim are coming to Carnegie Mellon! Though tickets are sold out, anyone with a Carnegie Mellon ID can get into the show if it remains outside. Matt & Kim are amazing live performers, and the opener RJD2 also promises to be fantastic. Even if you only know the song "Daylight," listen to a couple others and head out to the Mall for an evening of dancing (or moshing) to music with some of your closest friends and a couple thousand of your favorite classmates.

Lula Beresford | Pillbox Editor

movies in mcconomy

McConomy Auditorium, Cohon University Center

Lula Beresford | Pillbox Editor

Into the Woods

Thursday, Apr. 16 8 & 10:30 p.m.

Meryl Streep is a perfect human, so there's no question as to why Into the Woods is so superb. A rather dark interpretation of some of our more classic fairytales, this live action version of Steven Sondheim's award winning musical features an all-star cast. Emily Blunt plays the wife of a baker who cannot bear a child, so she and her husband embark on a quest to reverse the curse that made her so. The curse was set on her by a witch, played by the aforementioned Streep. Fairy tale heroes and enemies return in this entirely new adventure, including Little Red Riding Hood, Cinderella, and Rapunzel. Filled with luscious costumes and impressive CGI, the movie also boasts plenty of eye candy. Though some of the more controversial and graphic themes present in the musical were adapted to fit a wider audience, Into the Woods is still a refreshing take on old classics.

Penguins of Madagascar

Saturday, Apr. 18 11:30 p.m. Sunday, Apr. 19 7:30 p.m.

A spin-off of everyone's favorite childhood DreamWorks film, *Madagascar*, *Penguins of Madagascar* follows the further adventures of four crazy penguins. In this spin-off, the penguins are taken hostage by an octopus named Dave. Sounds almost too good to be true, right? What ensues is a fast-paced spy thriller starring various members of the animal kingdom with funny names. Though the penguins are not very bright and get captured numerous times, they eventually make it home scott-free. One of the best parts of the movie is Benedict Cumberbatch's voice role as Classified, a gray wolf who is part of a spy agency called "North Wind." Radioactivity and mutation also play a role in this scattered, yet enjoyable, film for all ages.

MIDWAY 2015

Organization — Theme

Alpha Phi Omega — If You Give A Mouse A Cookie

Alpha Epsilon Phi — Jurassic Park

Alpha Phi — The Princess Bride

Asian Students Association — Cloudy With A Chance of

Meatballs

Astronomy Club — Hitchhikers' Guide to the Galaxy

Alpha Chi Omega — 12 Dancing Princesses

Delta Delta — Where the Wild Things Are

Delta Tau Delta — Journey to the Center of the Earth

Delta Gamma — Jumanji

Fringe — Sherlock Holmes

Kappa Alpha Theta — The Wizard of Oz

Kappa Sigma — Game of Thrones

KGB — Where the Sidewalk Ends

Kappa Kappa Gamma — Magic Treehouse

Math Club — What If?

Mayur — Aladdin

Mellon College of Science — Hunger Games

Phi Delta Theta — 20,000 Leagues Under the Sea

Sigma Alpha Epsilon — Bernstein Bears

Student Dormitory Council — 1984

Sigma Phi Epsilon — The Polar Express

Sigma Chi — Very Hungry Catapillar

Spirit — The Invisible Man

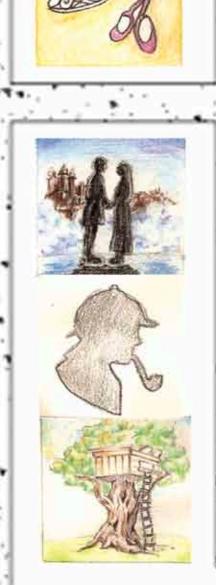
Singapore Students Association — The Little Prince

Taiwanese Students Association — Life of Pi

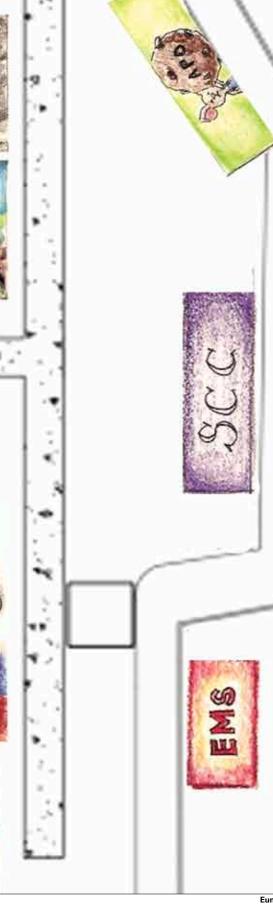












Smashing mash-up meets thespian opera

Students in School of Music gracefully leap from scene to scene to put on a riveting show

This week, students in the School of Music performed their Annual Opera Scenes Showcase, which pulls selected scenes from seven different operas. It fell somewhere in between a live mixtape and an operatic variety show. The evening switched from story to story, cast to cast, and costume to costume, which kept the things exciting because we got to see the most interesting, exciting, and climactic scenes from each respective opera.

Kresge Theater in the College of Fine Arts was a much better venue for the show than Philip Chosky Theater over in Purnell would have been. Kresge is much more intimate and low key, which matched the vibe of the show. It was, of course, professionally and fantastically done, but it was more comfortable for the audience than the full-length operas performed in Chosky. Sets and costumes were simple to allow for the quick changes in story, but they were used to maximum effect. The whole night was aesthetically casual, but artistically breathtaking.

Before each scene, a student came out to present the plot of the entire opera, highlighting where the scene would begin and end, since all but one of the eight scenes would be in a language other than English.

Though all eight scenes were spectacular, I found two to be extra special.

The first of those is Act 1, Scene 1 from *L'enfant et les sortilèges*, a French Opera by Maurice Ravel (the title translates from French into *The Child and the Spells*).



Matthew Nielsen | Staff Photographer

Singers demonstrate their comedic chops in a scene from Mozart's opera Così fan tutte, ossia La scuola degli amanti.

The premise is like a fairy tale that takes a turn for the worse, and could be a horror movie for children, if that were a real genre. The opera tells the story of a young child, played by junior vocal performance major Shannon Rynker, who gets scolded by his mother and sent to his room. When he gets there he throws a temper tantrum, destroying his room. But then the objects in his room start to come to life to show him what he's done.

First, the fire comes to life because during his rage, he stirred it up. It comes out of the fireplace in the form of junior vocal performance major Rachel Doehring, who appears from a cloud of smoke in a dazzling red dress to sing a menacing aria to the little boy and the other items in the room. Finally she recedes, and turns the show over to the shepherds and shepherdesses in his wallpaper, which the boy attacked with the fire poker. They emerge from the wall in torn clothing, singing of their sad fate. The harmonies in this piece, "Adieu, Pastourelle," paired with the very stripped-down but deliberate choreography, made the entire experience haunting in a way that had me paralyzed in my seat as I almost felt their pain.

The final step in the story comes from the princess in the story book that the child ripped up. Because the book was no longer intact, the princess would never get to be with her prince. For this scene, junior vocal performance major Hannah Nowicki walks out from backstage in a silver gown covered from hem to hem with sparkles, crowned with a tiara. Her song to the boy about her love that he took away was simply heartbreaking, and Nowicki's light soprano voice was perfect for the role.

I think the simple elements of the production made this particular opera even more amazing. It really focused the attention onto the vocalists themselves, who performed their pieces with extraordinary skill.

The other opera scene that I was especially in awe of was Act 2, Scene 3 from *Dialogues of the Carmelites*, written by Francis Poulenc, which takes place during the beginning of the French Revolution. An old marquis and his son, Richard Marenda Jr., worry about Blanche, the Marquis' very skittish daughter, easily startled and impressionable. They're concerned for her fate during the revolution, but later she decides to join the convent and become a nun.



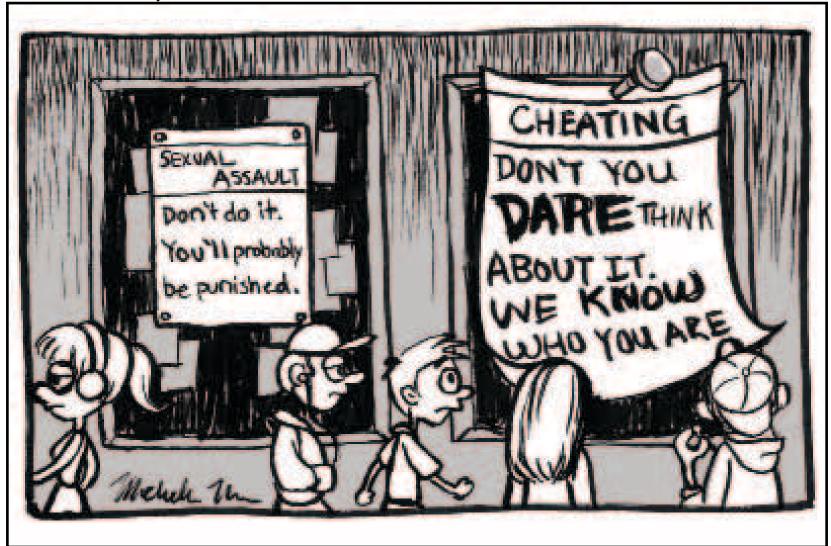
Matthew Nielsen | Staff Photographer
Masters student Ricky Marenda and senior vocal performance major Raphael McCorey perform a scene
from Don Pasquale by Donizetti.

The scene opens when Blanche's father and brother are about to leave Paris to escape the danger. Her brother comes to convince her to escape with them. The set is simply a bunch of chairs set up to represent pews, but each with LED lights on the bottom which made the lighting on the scene really stark and dramatic. As Blanche sings of her duty to the convent and her refusal to leave, she slowly and strategically places the chairs on their sides, creating shadows over the set and vocalists building up to a tense moment when she knocks the chairs down with a loud crash, commanding attention to not only her vocal power, but the strength of her very presence.

Where Chosky would have had an edge over Kresge is its captions monitor. When I attend the opera performances, I prefer having the translations in front of me so I can follow the plot exactly. But in this case, I got by. The performances were so strong and conveyed all the meaning I needed beyond the scene synopsis. The vocalists that performed not only sang like absolute professionals, they put on a show that I was excited to watch.

Sarah Gutekunst | Operations Manager

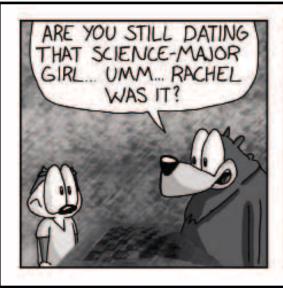
Political Cartoons by Michelle Ma



michell3@andrew.cmu.edu

michelledoeswhat.com

Filbert Cartoons by L.A. Bonté







filbertcartoons@gmail.com

filbertcartoons.com

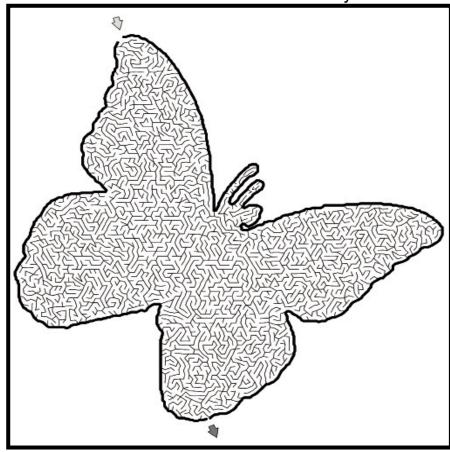
Six Feet Punder by Steffen Holm Did you hear about the bird that forgot his speech? No... He winged it! You talkin s#\$t? I'll peck your eyes out

saholm@andrew.cmu.edu

Sudoku Puzzle: Intermediate Difficulty

9				6	1	5	
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Maze Puzzle: Hard Difficulty



Maze courtesy of www.krazydad.com

Sudoku courtesy of www.krazydad.com

Fill all empty squares using numbers 1 to 9. No number may be used in the same row or column more than once.

Enter the maze from the top left arrow and find your way out the other side.

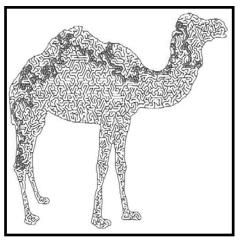
Solutions from April 6

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Sudoku



Maze

Horoscopes

How do you relieve stress before finals?

Meditate: A few minutes of practice per day can help ease anxiety.

taurus april 20-may 20

march 21-april 19

Breathe Deeply: Take a 5 minute break and focus on your breathing. Slowing down your heart rate will lower your blood pressure.

gemini may 21-june 21

Be Present: Slow Down. Take 5 minutes and focus on only one behavior. When you spend time in the moment, you should feel less tense.

cancer june 22-july 22 Reaching Out: Your social network is one of your best tools for handling stress. Talk to others.

leo july 23-aug. 22 Decompress: Place a warm heat wrap around your neck and shoulders for 10 minutes. Close your eyes and relax your face, neck, upper chest and back muscles.

virgo aug. 23-sept. 22 Laugh Out Loud: A good belly laugh doesn't just lighten the load mentally, it also lowers your body's stress hormone and boosts your endorphins.

libra sept. 23-oct. 22

Crank Up the Tunes: Listening to soothing music can lower blood pressure, heart rate and anxiety.

scorpio oct. 23-nov. 21

Get Moving: All forms of exercise, including yoga and walking, can ease depression and anxiety. Go for a quick walk around the block or do some stretching exercises.

sagittarius nov. 22-dec. 21

Write: Sometimes, it helps to write about things that are bothering you. Talk out your feelings to get them off your chest.

capricorn dec. 22-jan. 19 Take a Little Vacation: Do something you enjoy. You may feel that you're too busy to do these things, but taking time to relax may increase your productivity.

aquarius jan. 20-feb. 18 Decorate with Lavender: This herb has a soothing scent that can lower your heart rate and blood pressure.

pisces feb. 19-march 20

Chocolate-Dipped Strawberries: The mixture of Vitamin C from the berries can fight body-damaging free radicals and the dark chocolate may help reduce stress hormones like cortisol.

Maryyann Landlord | Comics Editor

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Crossword courtesy of BestCrosswords.com

ACROSS

- 1. "Hard ___!" (sailor's yell)
- 5. Numbers game
- 10. Aromatic fragrance
- 14. Group
- 15. Fencing blades
- 16. "The Time Machine" people
- 17. Person skilled in accounting
- 19. Colleen
- 20. Now you _
- 21. Most strange
- 23. Equinox mo.
- 25. ___ Grows in Brooklyn
- 26. Guitarist Atkins
- 29. Records
- 31. Halt. salt!
- Tafari (Haile Selassie)
- 36. Unclothed
- 37. Syrian city
- 38. End result
- 40. Oakland outfit
- 41. Tempestuous
- 42. Gillette brand
- 43. Rocker Ocasek
- 44. Photographic tone
- 45. Nabisco cookie
- 46. Nick and Nora's pooch
- 47. Sleight of hand
- 49. A Bobbsey twin
- 51. Proceeding by tens
- 54. Play for time
- 58. 007's alma mater
- 59. Free from errors
- 63. Humorist Bombeck
- 64. Civil rights org.
- 65. Mother of the Valkyries
- 66. Bargain
- 67. Facial expression used by Elvis
- Presley
- 68. 20th letter of the Hebrew alphabet

Down

- 1. Turkish titles
- 2. Ornamental fabric
- 3. Suffix with exist
- 4. Self-centered person
- 5. Author Deighton
- 6. Decide
- 7. Leaves in a bag
- 8. Principles
- 9. Blender brand
- 10. Had faith
- 11. Winglike parts
- 12. A pitcher may take one
- 13. Fog
- 18. Salt Lake City player
- 22. Objects from everyday life
- 24. Feathery
- 25. Period of human life
- 26. Crucifix
- 27. High-toned
- 28. Bar, legally
- 30. Lyric poem
- 32. Copycats
- 33. Nautical pole
- 34. Puccini classic
- 36. Polite refusal
- 37. Brother of Moses
- 39. Felon
- 40. Road with a no.
- 42. Circle segment
- 45. Person in the petroleum industry
- 46. Deer horn
- 48. Profits
- 50. Sun Devils' sch.
- 51. Act
- 52. French 101 verb
- 53. Deep sleep
- 55. Bern's river
- 56. Former Fords
- 57- Jacob's first wife
- 60. Fannie
- 61. Very skilled person
- 62. EMT's skill

<u> horoscopes</u>

Tiananmen Exiles: Voices of the Struggle for Democracy in China.

GHC 4307. 4:30-6:30 p.m.

Join Rowena Xiaoqing He of Harvard University for a lecture based on her newly published book. *Tiananmen Exiles* was selected as one of the top five books on China in 2014 by ChinaFile, a project of the Center on US-China Relations at the Asia Society. Books will be available for purchase at the event.

Tuesday 4/14/15

Faculty Recital: Alec Chien, Piano.

Kresge Theatre, CFA. 8-9:30 p.m. School of Music faculty member Alec Chien will perform a recital featuring the works of Frédéric Chopin.

Thursday 4/16/15

Steve LeVine: "The Battery War"

125 Scaife Hall. 12-1:20 p.m.

Spnsored by the Scott Institute for Energy, author Steve LeVine will present "The Battery War: Inside the race to create superbatteries and open a new electric age." The material of the talk is sourced from LeVine's new book *Powerhouse*. LeVine is renowned for his writings on the geopolitical ramifications of energy and technology partnerships. After the presentation Carnegie Mellon professors Jeremy Michalek and Venkat Viswanathan will lead a question and answer session.

Ongoing

Elements

The Hunt Institute (Hunt Library, 5th floor.)

The Hunt Institute for Botanical Documentation presents its spring exhibition, "Elements," from 19 March to 30 June 2015. This exhibition features drawings and watercolors of bird nests and photographs of transitional landscapes inspired by the relationship of the nest to time, place, music and architecture. The featured artists are Sue Abramson, Wendy Brockman, David Morrison, and Kate Nessler. Also included is a selection of birds, nests and eggs on loan from the Carnegie Museum of Natural History.

Three Sisters

Purnell Center of the Arts. Philip Chosky Theater. Anton Chekhov's renowned play *Three Sisters* is a critical, sad, and beautiful portrayal of provincial life. Olga, Masha, and Irina, the sisters, desire an exciting life and try to achieve their hopes and dreams. This ageless drama is translated by Paul Schmidt and is directed by Pamela Berlin. Tickets are \$10 with Carnegie Mellon ID, and are \$19.50 online. Performances are April 9–11, and April 21–25.

Oblivion.

City Theatre Company. Through April 26.

A comedy from Carly Mensch, a writer from the television show *Weeds*, the play *Oblivion* takes on the complex relationship between parents and adolescents, and what it means to grow up and be a family. Tickets start at \$36.

Sketch to Structure.

Carnegie Museum of Art. Through Aug. 17. This exhibition in the Heinz Architectural Center explores the process from an architect's initial concept to client presentation. Featuring a number of sketches by Lorcan O'Herlihy and Richard Neutra.

Classifieds

Change kids' lives with KEYS AmeriCorps. Join a team of over 90 members at 20 Pittsburgh summer camps for one unforgettable summer. Earn \$3,241 throughout the summer and a \$1,493 education award upon completion. May 26 – Aug 12.

Visit www.keysservicecorps.org or email aaron.gray@alleghenycounty.us.

Some Day is Now: The Art of Corita Kent.

The Andy Warhol Museum. Through April 19. Covering over 30 years of Corita Kent's posters, murals, and signature serigraphs, *Some Day is Now* is the first major museum show to survey Kent's career.

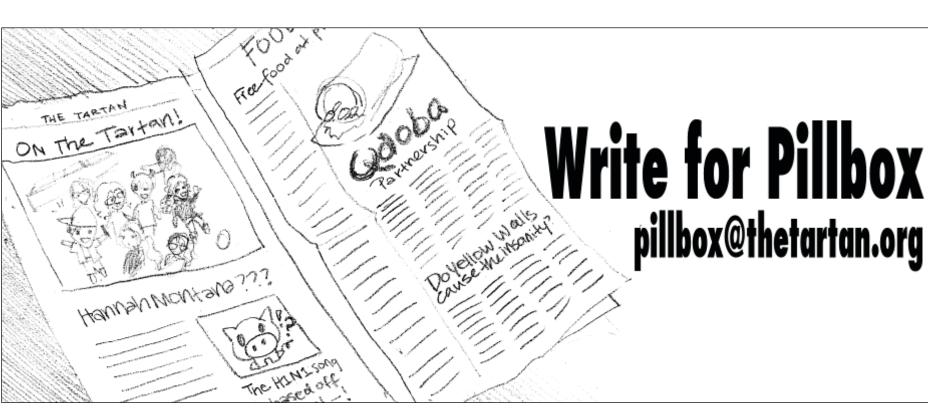
Boeing Boeing.

CLO Cabaret. Through April 26.

This Tony Award-winning production from the 1960s tells the story of a Parisian player with three girlfriends, all flight attendants. He gets himself into trouble when, with the invention of a faster plane, they all come to town at once. Tickets are \$39.75.

Compiled by **Lula Beresford** | Pillbox Editor & **Rachel Cohen** | Contributing Editor

Want your event here? Email calendar@thetartan.org.



carnegie mellon jazz orchestra.



Natthew Nielsen | Staff Photographer

Directed by Eric DeFade, the Carnege Mellon University Jazz Orchestra brought to us an eclectic range of selections. From jazz fusion to jazz classics, the orchestra delivered mellifluous sounds alongside the Firm Roots Jazz Sextet and Lincoln Park Performing Arts Charter School Jazz Ensemble. **Above:** The saxophone players of the Carnegie Mellon orchestra attentively contribute to commendable execution of the overall performance.