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# Engineers take down Union twice

Sean Beacham  
Staff Reporter

A SUCCESSFUL WEEKEND FOR THE RPI Engineers; a sweep against one of the school's oldest rivals: Union College. The Engineers set the standard for the weekend games on Friday night in the first period of the game. During those first 20 minutes, the Engineers put up four goals: the first by senior Travis Fulton, followed by senior Phil Hampton, sophomore Kenny Gillespie, and junior Riley Bourbonnais. The game went without another goal until early third period when senior Milos Bubela brought home a short-handed goal to make the score a crushing 5-0.

Tensions were already high between the rivaling teams, but the blowout score catalyzed further brutality. Of the 22 penalties in the game, 15 occurred in the third period, including two 10-minute misconducts per team. Union's Mark Dufour did manage to slip one by the Engineer's goalie, senior Jason Kasdorf, on one of their power plays near the end of the game with a well-placed slap shot from the blue line. Union dominated faceoffs, winning 39 of the 56 opportunities, but failed to capitalize on the chances that this offered them. RPI's penalty kill defense was solid, only allowing one goal in the nine power plays that Union had. With a final score of 5-1, the stage was set for a brilliant Saturday night blackout game back at the Houston Field House.

The Engineers donned special gray jerseys for Saturday night's blackout game, foregoing their normal white and red. The ferocious play from the game only 24 hours before carried over and the game began with aggressive physical play and hard forechecks. Union came out more determined and unified on Saturday, keeping the game tied at zero through one period.

From the middle of the first to well into the third period, the play became even more intense, but less physical. While there were still a few penalties throughout, the checks were solid, and only eight penalties were called during the game. There was a different feel to this competition; less of a battle of rivals and more of a competition of skill between two very driven teams.

RPI scored two goals in the second period, one by sophomore Jared Wilson and the other by Hampton only a few minutes later. The Engineers' 2-0 lead went unanswered for the rest of the period despite two power plays and 13 shots on net by Union.

Four minutes into the third period, Union responded by taking advantage of their early power play, drawn by an interference call, and Sebastian Gringas scored. The Engineers retaliated with a power play goal of their own halfway through the period put up by senior Mark Miller making the score 3-1. Just two minutes later, Union scored again, bringing the RPI lead down to a single goal once again. The game got rougher for the last few minutes of play, but despite two more penalties, RPI took the win, sweeping Union. The teams will see each other again in the Mayor's Cup, January 23, 2016. The Engineers are headed to Clarkson on Friday for a 7 pm game, hoping to keep the momentum going.



Sidney Kochman/The Polytechnic

DONNING SPECIAL JERSEYS, THE ENGINEERS CELEBRATED their second back-to-back victory against rival Union College on Saturday during the annual Blackout game.

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## STUDENT SENATE

# Sudano resigns, GPA minimum motion fails

David Raab  
Senior Reporter

BEFORE THE MEETING OFFICIALLY STARTED, Andrew Sudano '17 read a prepared statement to the Senate resigning from all of his current student government positions, effective immediately. In his statement, he said, "I take full responsibility for what I did," and after speaking he left the room without taking further questions. Notably, the Senate had the greatest non-Senator attendance of meetings all year with approximately 30 other people in the non-voting audience. Included amongst the audience were President of the Union Nick Dvorak '16 and Chairman of the Rensselaer Union Judicial Board Anthony Barbieri '15.

In spite of Sudano's sudden resignation, the Senate still held a lengthy discussion on the merits of a petition sponsored by Trevor Molineux '16 which called for not only the removal of Sudano from all of his current positions, but also called for him to be barred from future participation in student government for the rest of his career at Rensselaer. James Whelan '17 asked why Molineux felt that Sudano should not be given a second chance to prove his worth to the student body. Molineux responded by saying that Sudano, after being initially told to stop campaigning both by himself and through his party, violated that sanction and therefore his violation of the rules was not one violated incident.

Jenna Freedberg '18 pointed out many of Sudano's accomplishments already this year, including his work as chairman of the Union Annual Report committee. She said that his resignation has done irredeemable harm to the committee right during the bulk of its work before club budgeting seasons. Justin Etzine '18 further elaborated later by saying the "UAR committee is quite important even if we don't see it on a daily basis." Molineux responded to Freedberg's objections by saying that over 250 students have no trust in Sudano because of his actions, as Freedberg put it, "at the end of his sophomore year." Etzine agreed with Molineux by saying that he does not believe that Sudano would be the right man to be chairman of UAR committee because UAR is a financial report and only has meaning if students trust the man who created it.

Thomas Alappat '17 spoke in support of Sudano and also admitted he is a close friend of him. He told the Senate that

Sudano is a man who holds himself to high standards and strives for excellence in all his endeavors. According to Alappat, Sudano was "on the verge of emotional breakdown for a very long time" due to abuse he has received from a minority of students who believe he is a bad person. According to Dvorak, Sudano does not care about the results of any discussion held during the meeting and how he desires for a clean break from student government. Furthermore, he made it clear that his appointment to the Executive Board in the spring was the result of the Marcus Flowers '16 appointing him as Senate-Executive Board Liaison.

Greg Bartell '16 spoke of how he felt he was personally victimized by Sudano ripping down his posters. His biggest regret in the whole process was the fact that he stayed relatively silent on the issue during the last part of the election, and in hindsight claims he should have spoken up more. He implored the Senate to follow through and ban Sudano from future student government participation, and said that tonight was an opportunity to "right a wrong" perpetrated by his appointment to his positions. Ultimately, the Senate passed no motion in regard to Sudano and discussion moved on to other topics.

The Senate also considered a motion brought forward by the Graduate Council to have a minimum grade point average of 3.0 for all non-freshmen Senators. Under the text of the motion, Senators failing to meet the requirement at the end of the semester would be automatically removed from the Senate. Graduate Senator Tim Krentz presented, saying the motion is supposed to be their first priority. He went so far as to say that "getting a 3.0 isn't that hard" and that many doors close to students who do not have that GPA.

Etzine read an email he received from a fellow sophomore detailing concerns about the motion. Many other Senators also said this was the first time they received emails from their constituents asking them to deny the passage of this motion. The sender of the email expressed concerns that setting a limit of 3.0 would exclude half of the student body and that the Senate is supposed to represent all students. All members of the Union are adults and therefore make their own decisions about how they spend their time. Dvorak said that the



Sidney Kochman / The Polytechnic

### DR. HIRSA DISCUSSES the role of the Faculty Senate and how the Student Senate can help.

GPA requirement, which he confirmed with Dean of Students Mark Smith before the meeting, is only a 2.5 and not a 3.0 as was originally rumored. He also said that if the E-Board decides the Senate is unfairly excluding members of the Union from participating, that there would be grounds for their budget being taken away because Union-funded organizations have to be open to all members of the Union. Michael Han '16 asked why the Senate was considering holding itself to a standard higher than that of the GM and PU.

Paul Ilori '17 spoke to how he would not be allowed to be on Senate if the motion passed because he only has a 2.99 GPA due to the commitments of being Rules & Elections chair during GM Week 2015 and only being able to pull a 2.6 GPA that semester. He also said that all graduates have to maintain a 3.0 GPA in order to be at RPI so this motion would not affect them.

Ultimately, Austin Miller '17 proposed an amendment to the motion to only require a GPA of 2.5 to be on Senate.

Once the parliamentary process of amendment and calling the question passed, the amended motion failed 11-12-0. Alappat, Nancy Bush '19, Caleb Caraway '19, Keegan Caraway '18, Joshua D'Amato '18, Etzine, Han, Samantha Notley '18, Wilbur Velarde '19, Joe Venusto '17, and James Whelan '17 all voted against the motion. Caola, Jen Church, Ilori, Jessica Krajewski '16, Krentz, Miller, Cameron Riley '19, Spencer Scott, Steven Sperezza '18, Benjamin Walcott, and Amanda Youmans all voted in favor of the motion.

Also, Dr. Amir Hirsra, from the Mechanical, Nuclear, and Aerospace Engineering department presented to the Senate about the work of the Faculty Senate. He said that the Faculty Senate is greatly looking to increase interaction with the Student Senate because they want to see shared governance taken seriously again by administration. He specifically said that they are looking to understand exactly what the role of students should be in regard to the Faculty Senate, and he welcomed any members of the Student Senate to talk to him.



Dan Bruce / The Polytechnic

## RUSSELL SAGE COLLEGE

# Downtown campus placed under lockdown following hostile dormitory intrusion

Dan Bruce  
Senior Reporter

A TROY POLICE OFFICER LOOKS TOWARDS THE CAMPUS OF RUSSELL SAGE COLLEGE IN DOWNTOWN TROY on Tuesday, November 3. According to reports, an intruder was seen in one of Sage's dorms early Tuesday morning, leading to a lockdown of campus around 8 am. After police came to investigate, a gunshot-like sound was heard; as a result, a shelter-in-place warning was issued.

As several RPI buildings are located downtown, the order was issued for them as well. Numerous agencies were involved in the incident, including K9 units from Albany, University of Albany, and New York State Police. Also at the scene was the FBI and the Bureau of Alcohol, Tobacco, Firearms, and Explosives.

The searches yielded no suspect or public evidence, but investigation is ongoing.

TROY POLICE RESPONDED to reports of an unidentified male traversing a Russell Sage residence hall.

## PROVOST INTERVIEW

## Hajela shares information on Summer Arch

Nathan Dorer  
Senior Reporter

IN MID-OCTOBER, *THE POLYTECHNIC* OFFERED a series of questions to members of the administration in charge of Summer Arch. Last week, the Office of Strategic Communications and External Relations provided us with responses that detail the approach, outcome, and implementation of the Summer Arch program. When reached for comment, Provost Prabhat Hajela offered his personal input as a staff member close to the Arch initiative.

To begin, *The Polytechnic* asked Hajela directly what the Summer Arch is, and what the Institute expects to accomplish through the program. In response, Hajela stated that “The Summer Arch is a transformative approach to student learning that involves restructuring of the academic calendar to build additional opportunities for experiential learning that complement curricular and co-curricular offerings at Rensselaer.”

Hajela continued to say that the program would be structured in such a way that “rising juniors will attend a full summer semester on campus, the Summer Arch, between their sophomore and junior years, followed by an ‘away’ semester taken during either the fall or spring of the student’s junior year.” He also took the opportunity to clarify

that the Summer Arch will not require that students graduate late, but merely incentivises students to take advantage of “co-curricular activities” off-campus.

Next, Hajela was prompted to explain both the positive and negative aspects of the program. Hajela started with the benefits of the program: “enhanced student-faculty interactions,” “the flexibility of the ‘away’ semester,” and “the potential to accelerate or augment academic programs.” In explanation, the Institute feels that because juniors will be alone on campus, they will have greater opportunities to meet with professors and officials for individualized learning. Additionally, the semester away will allow students to pursue interests outside of academics. Furthermore, students could use the extra semester to pursue studies outside of a given field.

In terms of negatives, Hajela stated that “no clear negatives have emerged, but we will spare no effort in looking at all elements of the change.” However, Hajela also acknowledged that the implementation of any project of such a scale is presents challenges, but he expects to overcome them through the engagement of the entire Rensselaer community; “The Summer Arch Task Force is seeking input from faculty, staff, and students, as well as our partners in industry and academia.” Furthermore, “pilot programs will allow us

to implement the changes at the right pace, ensuring the best experience for students in the pilot groups and for the general student body in the following years.”

The Summer Arch has been presented as an objective that works in accordance with the Clustered Learning, Advocacy, and Support for Students initiative that was implemented by President Shirley Ann Jackson several years ago. The CLASS initiative was presented to students as an effort to connect “students to a network of faculty, staff, and other students, ensuring that they are part of a strong community of learners.” In response, Hajela stated that “CLASS helps them develop intellectual agility, multicultural sophistication, and global awareness. The Summer Arch will provide excellent opportunities for Rensselaer students to further develop these attributes. Students will enhance their leadership and skills to support successful careers through hands-on, experiential activities such as internships, co-ops, research, meaningful service, and international experiences.”

In addition, the impact on Greek life and on-campus organizations was presented to the Provost. Hajela acknowledged that “there are still a number of logistical questions the Summer Arch Core Committee and the various subcommittees will be answering.” He continued to say that the Institute fully intends to

investigate the impact to these key aspects of campus life through trips to Northeastern University and Dartmouth College. According to Hajela, “leaders from the Interfraternity Council, the Panhellenic Council, and other student organizations will be visiting these campuses to learn from their peers how the student leadership process works within the structure of a unique academic calendar.” Hajela added that students are an active part of the Summer Arch Task Force, and hold a substantial role in the decision-making of the program; “Maintaining the strong focus on student leadership is a priority for Rensselaer.”

Finally, Hajela was asked to identify the motivation behind the implementation of Summer Arch. In response, Hajela again referred to learning initiatives outlined in CLASS: intellectual agility, multicultural sophistication, and global awareness. In speaking for the administration, he outlined the belief that modern problems must be addressed by groups of people coming together, and that “the Summer Arch is an important pedagogical construct that supports this vision. It creates experiential and professional development opportunities that will provide our graduates with collaborative experiences, multidisciplinary perspectives, and a true global view.”

The full set of responses can be found online at <http://poly.news/s/0bmvo/>.

## EXECUTIVE BOARD

## Club baseball funded, mall shuttle service renewed

Elisabeth Ryan  
Senior Reporter

FIRST YEAR GRADUATE STUDENTS Erica Hoffman and Taylor Blaine presented to the Executive Board on Thursday, October 29, their plans to make Rensselaer a part of the Acoustical Society of America. Both of them are master students in acoustics and are looking to make RPI a nationally affiliated chapter of the ASA with the objective of establishing a forum for more undergraduates interested in acoustics to have a place to learn. Their long term goals include attending conferences put on twice a year by the ASA, touring local facilities, and having guest speakers come and lecture to the group. While the ASA is an acoustic centric organization, one doesn’t need to be an architectural acoustics major to join or attend conferences; one can be simply interested in acoustics to participate. With a 12-0-0 vote, the RPI Acoustical Society of America Chapter became recognized by the Rensselaer Union.

Vice president of Club Baseball Joseph DiBuonaventura ’18 returned with a detailed budget after meeting with a budgeting advisor in response to the request for a more detailed budget made by the E-board the week prior. After contacting the National Club Baseball Association, the members of RPI Club Baseball were able to determine how many home and away games they would be participating in and the total costs for each. The price of home games was concluded to be more expensive due to the price to pay umpires (\$65 per umpire, with a requirement of two umpires

per game). Home games total to \$1170 and away games total to \$960 if they go to Clarkson, the farthest distance to travel. The league fee of \$1450, the one-time registration fee of \$600, and the cost of new hats, \$360, were all taken into account as well and a total of \$4540 was budgeted for. DiBuonaventura requested of that sum \$360, to cover the cost of new hats and that the club members had plans to fundraise and pay for the remaining amount. To his surprise, the \$600 registration fee that the E-board had paid was not a loan and Club Baseball was not required to pay it back; along with that subsidization, the union would cover 40% of travel costs which total to \$384. With a 13-0-0 vote, the E-board approved Club Baseball’s program on the condition that they submit their revised budget through the online budget management system.

President of RPI American Collegiate Hockey Association Teo Camadells ’16 and Vice President Adam Hennick ’16 appealed to the E-Board for new jerseys, socks, and uniform pant shells due to their apparent disrepair. The uniforms that club hockey currently possess are hand-me-downs from the varsity hockey team, with a sewn-on ACHA patch—the only portion of the jersey discerning the varsity from club. Camadells and Hennick mentioned the possibility of fundraising and reaching out to alumni who have donated in the past. The E-board suggested looking into WeR gold before requesting funds from the union, as it was a large quantity to subsidize and tabled the discussion for a future date.



Jack Wellhofer/*The Polytechnic*

**MEMBERS OF THE EXECUTIVE BOARD VOTED to recognize the Acoustical Society of America as a new club.**

Representing Colleges Against Cancer were President Chris Hoskins ’16, Vice President Madison Wyatt ’18, Advocacy Chair Kyle Neumann ’17, Relay For Life Co-Chair Keara Taylor ’17, and Relay For Life Co-Chair Torrie DeGennaro ’17. The Relay for Life Event is an annual charitable event that has, in previous years, been funded through various sources such as class councils, the American Cancer Society, Red and White, etc. No funding has ever come from the Rensselaer Union. However, Colleges Against Cancer is now requesting funds that would total up to \$1,700. That sum would cover wood, dinner, paint, tables, stage rental, cardboard, relay decorations, and other miscellaneous expenses. This request of funds would not be a loan and would go purely towards the formation of the event. All proceeds

made at the event would go to the ACS. The controversy with approving such a sum, is that it is not in the Executive Board’s policy to provide money to philanthropic organizations in that the E-board cannot fund events. The money that E-board distributes is meant to provide events for students. If they were to fund an event that requires ticketing then it would not have been an event provided for the students. The way this situation with Relay For Life differs from other charity events is that there is mandatory ticketing while others request donations. Motion to allot Colleges Against Cancer the sum they were looking for was denied in a 0-10-2 vote.

Senators Jenna Freedberg ’18 and Paul Ilori ’16 came before the E-board in search of funding for a project that would provide students with a free shuttle ride to

Crossgates Mall and back. There was a pilot program last year, and the results were that the most popular time to leave campus was around 4 pm and the most popular time to return was 9 pm. After sending out a senate survey for 2014-2015, 60% said they’d use the shuttle option, which would be provided every other weekend, at least once a semester, and in another survey 67.5% said they would use it once a month. The dates for the remainder of the semester would be on 11/14, 12/12, and 12/18. Those three trips would total to a cost of \$1725. The senators argued that even though it was a pricey sum to request, the program had been popular with students, especially underclassmen who don’t possess vehicles or a means to travel beyond the CDTA. In a close vote, the motion to fund this program was approved in a 7-6-0 vote.

## FALL TOWN MEETING

## Jackson addresses nuclear reactor, Arch program



Sidney Kochman/The Polytechnic

**PRESIDENT SHIRLEY ANN JACKSON ANSWERS questions from students, staff, and faculty during Town Hall.**

**Maria Kozdroy**  
Senior Reporter

A CROWD OF FACULTY AND STAFF, WITH a few students in the mix, was welcomed by Provost Dr. Prabhat Hajela in the Experimental Media and Performing Arts Center Theatre on Thursday, October 29. After his address, the 18th President of Rensselaer Polytechnic Institute Shirley Ann Jackson took the stage. “We are re-envisioning actually what a modern technological education

can and should be,” stated Jackson, setting the tone for her address.

As part of the transformative Rensselaer Plan 2024, Jackson would like “to honor our founder” and continue to call the institution Rensselaer rather than RPI. Additionally, embracing the motives of a modern technological institution will further be tended to through the New Polytechnic plans which focus on addressing worldwide issues. Rensselaer students in a pedagogical institution will continue to develop to become next generation leaders and

to develop “depth in their specific domains, which has not changed.”

Clustered Learning, Advocacy, and Support for Students along with academics helps to build critical thinkers and resilience within each student. The implementation of this theme will build “resilient leadership for a more resilient world.” Adaptability, resourcefulness, and creativity are the coercions of carrying out the theme of resilience. The inquiry humanities and social science courses offered

to freshmen are the starting point of the Rensselaer education to raise ethical issues, to expand disciplines, and to act as thought provoking courses. The new Art\_X initiative is designed to help students “see the art in and of science and to see the science in and of art.” This will help foster the theme of resilience as a way of developing more well-rounded, disciplined individuals who are willing to solve problems. Mastering engineering and all majors at Rensselaer has also shifted to using artificial intelligent resources, such as a flood protection tool, yet again representing resilience through creativity.

Another new initiative in the planning stage with many committees working to perfect it is the Summer Arch program. It will enable sophomores, beginning with the Class of 2019, to stay on campus after their sophomore year and enroll in junior level classes for the summer. Then during their junior year, either in their fall or spring semester, they will pursue co-ops, internships, or research, with emphasis on going abroad in order to have a transformative cultural experience. The Summer Arch has been “greeted very favorably by the multinational companies that recruit our students.” At Rensselaer, it is truly believed that “a new perspective has the power to change the world.”

This concluded the formal speech, with the next half hour consisting of a question and answer session. The first question inquired about the nuclear reactor research facility. Jackson noted that, with all the security that is needed to maintain the facility compared to the usage, perhaps it is not even worth having around much longer. The decision to close the facility or leave it open will be reached very soon. Other topics that were brought to Jackson’s attention included maintenance of the Rensselaer campus, universal access, and *The Polytechnic*—which she says she only glances at every once in awhile. Additionally, the lack of community awareness of the Product Design and Innovation Program at RPI was mentioned by Sofia Jacobs ’18, who asked why the Institute continues to introduce “new interdisciplinary programs rather than building the ones that we already have.” According to Provost Hajela, students are the main force in spreading awareness of other programs at Rensselaer. Additionally, a Twitter account was made in order to promote the discoveries and accomplishments of outstanding Rensselaer students to the community, as noted by Russell Sage Chair Linda Schadler. President Jackson dismissed the meeting at 2:10 pm and guests were invited for refreshments.

## WORLD NEWS

## Airplane crash kills passengers and crew

**Nathan Dorer**  
Senior Reporter

ON OCTOBER 31, A METROJET AIRBUS A321 en route from resort city Sham el-Sheikh, Egypt to St. Petersburg, Russia crashed, killing all 224 passengers on board. Due to the nature of the flight, Russian officials have stated that the crash orphaned a large number of children; Sham el-Sheikh has typically served as a vacation destination for adults, so many of the parents on-board had left their children with relatives while they traveled overseas. The cause of the crash has yet to be determined, but officials have stated that technical failure is most likely at fault.

Twenty-three minutes after departure, Metrojet Flight 9268 fell off the radar of air traffic controllers, and air traffic controllers reportedly did not receive any distress calls. Flight 9268 reportedly disappeared “instantly” in the event of a “nonstandard emergency,” but the actual meaning behind these reports remain ambiguous. The mystery behind the crash is a large part of why the incident has become so controversial; because of the political instability in the region, many Egyptians fear that the crash could be a terrorist attack. Metrojet’s tragedy holds the potential to have widespread repercussions for those traveling by air; the question remains as to whether it is safe to fly passenger flights over regions that are actively at war.

While the plane was in flight, a U.S. satellite detected a heat flash that occurred just as the plane disappeared, and Russian officials have pointed towards evidence that suggests that the plane fell apart in midair. While Russian investigation has ruled out the possibility of a missile being fired at the plane, U.S. officials are still considering that



Courtesy of Agencia EFE

**A METROJET AIRBUS A321 FELL off radar and crashed with 224 passengers on board on it's way to St. Petersburg, Russia.**

a bomb may have been planted on the plane. Meanwhile, Metrojet official Alexander Smirnov has stated that the company has ruled out any potential for human error or technical problems, as the plane’s protection systems would have prevented it from crashing in such an event. CNN aviation analyst Peter Goetz has stated that the failure could be attributed to a damaged fuel tank or maintenance problems.

In light of the attack, militant group ISIS has claimed responsibility for the attack,

which was reportedly in response to Russian involvement against the group in Syria. In response, the Egyptian President Abdel-Fattah el-Sisi has stated that the claim is most likely “propaganda,” and officials have no evidence that directly suggests terrorist involvement. el-Sisi has claimed that the cause of the crash may not be known for several months, and that speculation over the crash is premature at this time. The president went on to assure Egyptian citizens that “the situation in Sinai—especially in this limited

area—is under our full control.” Of the bodies recovered, there has been no evidence of an explosive impact on board the plane.

The recent crash holds the place as Russia’s largest air-related disaster, and the tragedy has resonated with the Russian populous. Bodies of the victims have been returned to Russian soil, and the identification of victims has already begun. Metrojet Flight 9268 has proven to be an incredibly detrimental and confusing event for the countries involved.

# Events

Wednesday, November 4, 2015

## WEDNESDAY

November 4

**The Chili Cook-Off is held** by MBA students from the Lally School. The assignment requires students cook chili in the Arts Center in downtown Troy, and then sell it at various locations on campus. The team that raises the most money from sales wins. The sales will be from noon–3 pm.

**Open skate is available** to the RPI community at the Houston Field House from 12:30–1:30 pm. A valid RPI ID is required upon entry. No rentals are offered.

**The Department of Physics, Applied Physics and Astronomy Colloquium presents** Dr. Reina Maruyama from Yale University. Her seminar is titled “Results from the DM-Ice17 Dark Matter Experiment at the South Pole.” It will be held in Darrin Communications Center 337 from 4–5 pm.

**The Experimental Media and Performing Arts Center presents** the sixth screening in On Screen/Sound. It features two works composed using light: Lis Rhodes’ Light Music and Henning Lohner and John Cage’s One11and 103. It will be held at 7 pm for \$6.

## THURSDAY

November 5

**EMPAC hosts** Johannes Goebel’s “Eternity and Megalomania: The Politics and Mechanics of Archiving.” This talk will give an overview of present preservation strategies in the digital domain and present the concrete solution he found for EMPAC, which is both cheap and pragmatic. It will be held in EMPAC Theater at 7 pm.

## FRIDAY

November 6

**The Mathematical Sciences Department presents** Tom Hagstrom. The title of his presentation is “Robust High-Order Methods for Waves.” It will be held in Amos Eaton 214 from 4–5 pm.

**Alpha Phi Omega hosts** a Scrabble Tournament with \$100 in prize money. All proceeds will go to the Literacy Volunteers of Rensselaer County. There is a \$5 entrance fee and pizza will be sold for \$1 a slice. Registration will be held in the Union West Lobby from November 2 to 6 from 11 am–4 pm. The actual event will be held in the McNeil Room from 4–7 pm.

## SATURDAY

November 7

**The Resident Student Association hosts** Extra Life in DCC 324 from 8 am Saturday to 8 am Sunday. Proceeds help benefit the Bernard and Millie Duker Children’s Hospital at Albany Medical Center. Registration is \$3 for singles and \$10 for groups. Concessions will also be sold.

## MONDAY

November 9

**The Department of Earth and Environmental Sciences presents** Professor Brenan from the University of Toronto. His seminar is titled “Deciphering the formation of the Earth and Moon using the Highly Siderophile Elements (HSE).” It will be held in the Jonsson Rowland Science Center 3W13 from 4–5 pm.

**The Student Health Center sponsors** a Pizza Party and Bake Sale to benefit the United Way. It will be in Academy Hall Auditorium from 11:30 am–1:30 pm. The cost is \$5 for two slices of pizza and a beverage or \$6 for three. Cheese and white broccoli toppings are offered.

Take Down 11/14

contact: lyrics@union.rpi.edu

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\$4 Pre-sale,  
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# Editorial

Wednesday, November 4, 2015

## Keep the Poly in mind

During this past week's town hall meeting, President Shirley Ann Jackson raised a question about the relevance of *The Poly* on RPI's campus. Jackson's commentary struck a chord, and really forced the staff to be introspective about the work that we continue to do. As a completely student-run newspaper that has been in print since 1885, it is important that we do what we can to stay current and engaged with the community at RPI.

Newspapers have played an extremely influential role on college campuses throughout history, and we see no reason why *The Poly*'s influence should be discredited. *The Poly* has been an important part of Rensselaer's culture since 1885, and has served as the primary outlet for RPI students attempting to learn about journalism in that time. Rensselaer's newspaper has chronicled the life of students in Troy since its inception, and its importance to the history and lifestyle of the Institute has been ineffable over the course of its 130-year history.

Furthermore, *The Poly* has served as the Rensselaer community's primary source for information regarding policy changes in the Institute. The newspaper consistently reports on the meeting of the Student Senate and Executive Board, and frequently contacts school administrators for information on what is happening at the school. As a student newspaper, it is our primary objective to provide students with the latest news about the administration at Rensselaer.

In a school centered around engineering and the sciences, the school newspaper is one of the only outlets that allows students to cultivate skills in journalism and writing. The school offers relatively few options for students attempting to pursue the arts, but *The Poly* remains consistent in its ability to teach students journalistic integrity and writing skills.

We don't mean for this to be an assertion of our ego, but it stung to think that the efforts put into *The Poly* wasn't being acknowledged by the president of our institution. It is true that college newspapers have lost some pull simply due to the availability of news online. However, it would be a blatant lie to say that *The Poly* has not struggled to stay as relevant in the digital age. However, our motto is "serving the Rensselaer community since 1885," and we intend to continue doing just that.

## EDITORIAL NOTEBOOKS

# One's introspective findings *Quaker Meeting not just meant for Quaker disciples*

THE PAST TWO WEEKS HAVE BEEN UNUSUALLY STRESSFUL for me, both in schoolwork and *certain* extracurricular activities. There is nothing I dislike more than stress because nothing good ever comes from simply worrying about a problem. However, I consider myself a good manager of stress; I can plan my time well enough that everything gets done and I can stay sane. Recently, the stress has slipped through my fingers and I've become so busy that I might just forget to breathe. So much has been put on my plate that nothing at all is getting done, making matters worse.

always more to be done, and never time to stop and rest. It's been two years since I've regularly attended Meeting, and at this point I truly miss it. Having an hour or so every week to sit and collect my thoughts had more of an effect on my life than I previously realized.



**Jack Wellhofer**  
Managing Editor

One night I couldn't fall asleep, instead worrying about the things I needed to do. I thought back to my high school. While I don't consider myself religious, I went to Quaker schools for my K-12

education, and am in fact a Quaker. Before you ask, we are not affiliated with Quaker Oats, and we are also not Amish.

What I thought about was the weekly Meeting for Worship we attended. For those unfamiliar, Meeting is the Quaker religious gathering and is fairly self-explanatory. It's a time when everyone gathers together in a Meeting House to worship. We sit on long wooden benches in such a way that there is no front. While we do have a facing bench, there is not one person isolated in front of many. Meeting in a silent occasion; there is no priest who leads us in song or prayer, but rather it is a time for inner reflection. Quakers believe that there is that of God in everyone, which is represented by what we call the Light. If, during Meeting, you feel moved to speak, then you are allowed to stand and speak your mind. It is the closest we come to preaching.

My younger self found this time to be quite boring. I would often sit and watch the old grandfather clock slowly tick until it was time to leave, not appreciating the time spent. But toward the end of high school, I welcomed the opportunity to have this reflection time. Life continues to become more chaotic, and with each passing day it seems to me that we lose time for reflection. There is

Meeting left me refreshed and ready to take on the remainder of the week, and I miss it. For a moment, I'd like to go back to the something I spoke about before; the idea that there is that of God in everyone. This is the Quaker value that I believe in the strongest. It is one that I carry with me during my day, and something that I try to use to guide my decisions. I know right now I am dealing with a number of people with whom I do not see eye to eye. I'm sure that you, reader, also could name an individual, or multiple, with whom you do not see eye to eye. Even if you are not religious, consider for a moment the idea that there is that of God in everyone. And if not God, then something that makes us all human and brings us together as a defining feature. When dealing with this person, consider that they are not all that different from you. We all have similar problems and struggles, and are all working toward a similar goal. Deep down, some much deeper than others, I believe that we genuinely want to be good. While a person's intentions can be led away, somewhere inside them they are good. Think about this as you go through your day. I know this thought process makes me strive to be a better person, and I hope that it makes you strive as well.

# the polytechnic

Editor in Chief  
**Chris Leong**  
poly@rpi.edu

## Editorial Board

Managing Editor	<b>Jack Wellhofer</b>	poly@rpi.edu
Managing Editor	<b>Stephanie Kern-Allely</b>	poly@rpi.edu
Contributing Editor	<b>Justin Etzine</b>	poly@rpi.edu
de facto Business Manager	<b>Stephanie Kern-Allely</b>	business@poly.rpi.edu
de facto News Editor	<b>Justin Etzine</b>	news@poly.rpi.edu
Features Editor	<b>Stephanie Kern-Allely</b>	features@poly.rpi.edu
de facto Sports Editor	<b>Michael Baird</b>	sports@poly.rpi.edu
Editorial/Opinion Editor	<b>Maria Kozdroy</b>	edop@poly.rpi.edu
Composing Editor	<b>Shane O'Brien</b>	composing@poly.rpi.edu
de facto Copy Editor	<b>Rex Hu</b>	copy@poly.rpi.edu
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Associate News Editor	<b>David Raab</b>	news@poly.rpi.edu
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Associate Features Editor	<b>Elisabeth Ryan</b>	features@poly.rpi.edu
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Associate Copy Editor	<b>Nathan Dorer</b>	copy@poly.rpi.edu
Associate Copy Editor	<b>Rex Hu</b>	copy@poly.rpi.edu
Associate Photo Editor	<b>Kay Sun</b>	photo@poly.rpi.edu

## Coordinators

Advertising Director	<b>Jack Wellhofer</b>	ads@poly.rpi.edu
Graphics Director	<b>Geoff Rosenthal</b>	graphics@poly.rpi.edu
de facto Systems Director	<b>Dan Bruce</b>	systems@poly.rpi.edu
de facto Web Director	<b>Dan Bruce</b>	web@poly.rpi.edu
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Web Coordinator	<b>Dan Bruce</b>	web@poly.rpi.edu
Social Media Coordinator	<b>Kayla Cinnamon</b>	social@poly.rpi.edu

**Production Staff:** Elizabeth Anderson.

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Views expressed in opinion columns provide differing viewpoints to help balance the newspaper and do not necessarily reflect the opinions of the Editorial Board. These opinion columns, other than those granted to certain student government organizations, are granted on a semesterly or yearly basis by the Editorial Board. Those interested in starting a column should email edop@poly.rpi.edu for details.

Editorial and Business offices are located in Room 3418 of the Rensselaer Union, Troy, New York, 12180-3590. Subscription and advertising rates can be forwarded upon request. Subscriptions are sent via first class mail. Address correction requested.

# The Poly gives 110 percent Don't take everything too seriously, lighten up

THERE IS AN EPIDEMIC SWEEPING the campus poisoning the water supply. It is a serious problem with consequences beyond our control. The "take-everyone-too-seriously" epidemic has been left to fester for too long. This second bubonic plague brings all organizations infected by it down, dragging them silently into the depths of unproductivity. The groups wallow in their pitiful state until someone realizes that what is truly destroying them is that they can't seem to realize that secondary opinions aren't the be-all and end-all in life.

*Sun*, the *Headline Daily* or the *Washington Post*? No, no, and no. We aren't perfect and we aren't going to be the source of your everyday news. Sure, we strive to report on things as best we can,

to have our work be recognized and appreciated not only by our mommies and daddies, but also you guys, the people who do take the time to read our paper.



**Stephanie Kern-Allely**  
Managing Editor

Take *The Poly*, for example. We call ourselves a newspaper, we report on things around campus, and we even get to talk to higher-ups in the Institute from time to time about different issues that grip the campus. But are we the *New York Times*? No. The *Wall Street Journal*? No. The *Daily*

but for the most part we understand that not everything is going to go just the way we want it. On a personal level, we don't take ourselves too seriously and, in my opinion, we shouldn't. We should want to make parody issues where we review an EMPAC show that consisted of a janitor cleaning an empty room. But taking ourselves less seriously

If I could infect the campus with a different virus, one that could bring every club more success and fewer stresses, it would be the RA-13 viral infection that attacks the brain. Don't go looking that up, because I'm fairly certain it doesn't exist. My RA-13 virus (short for "Respect-All") would do some chemical-y, magical-y, timey wimey thing-y that would cause everyone to have more respect. Whether you believe in something or not, everyone deserves respect regardless of status. What the world could use an extra dash of isn't sugar, spice, or anything nice, but some pure respect. Now, you may not agree with me. That's fine. In fact, I respect that. And here's the cheesy part of my notebook where I say that you need to respect me too.

doesn't mean we shouldn't do our job correctly. Every week there are invoices to send for ads, papers to deliver, social media posts to make, and, of course, spending our entire Tuesday night actually pouring our blood, sweat, and tears (and ice cream cake) into the physical paper. We try hard

## TOP HAT

# Get the inside scoop at Senate Meetings

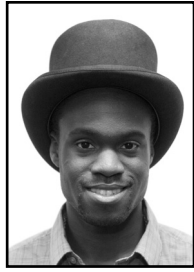
While you're there, you can also contribute to the wide range of projects and ideas on the table

HELLO RPI STUDENTS,

Last week in Senate we discussed some of our ongoing projects, had two presentations, and discussed a petition by students. Our projects, in no particular order, included work to develop resources for students to obtain fellowships and graduate study support, research information (so that obtaining research opportunities is easier as an undergraduate), a project involving the *New York Times* or local news to broadcast students, meal plan recommendations for the next year, advertising our petitions website (<http://petitions.rpiwtg.com>),

laptop programs that are designed for your major's technological needs, regulations regarding beer available to students for events, and repair of web resources.

Jen Walters, the director of the Center for Career and Professional Development came to the Student Senate meeting to discuss the resources available for students, as well as feedback on what services the CCPD can provide help



**Marcus Flowers**  
Grand Marshal

with navigating career paths. We had a presentation from Jon Finke, who works in the Department of the Chief Information Officer of RPI, on the current state of a project from the Academic Affairs Committee. This project is the Online Syllabus Catalog, which is a tool to help students organize their classes for registration based on their career

goals and understanding of upcoming course material. We had a demo in the meeting, and we look forward to having this service available to the entire student body. If you're interested in providing resources like this to the student body, come talk to us, our meetings are open to everyone! This includes our committee meetings, where most of our work is done. Our meetings are at 7 pm on Tuesday evenings. Next week's article will include my discussion of what happened on November 3. I had the chance last night to speak to the Student Athlete

Advisory Committee about Summer Arch, but I also had the chance to listen to what they had as their own agenda items, and what they would like to do in the RPI community. I hope that everyone can take the time to appreciate the hard work and dedication that our athletes put into their competitions, and the pride that they generate for us as students at Rensselaer.

I hope everyone had a great Halloween weekend, and as always, UNION SUCKS!

## DERBY

## Start of November brings start of mall shuttles

*Exciting opportunities lay ahead, especially for clubs searching for additional funds*

WHAT'S UP, RPI?

First and foremost, I want to give a HUGE shout-out to our very own Engineers for showing the Union Dutchmen who's boss by sweeping them to start our Eastern Collegiate Athletic Conference. Friday night was electric as we racked up goals in the first period, forcing Union College to pull their goalie just to try to catch up. Ultimately, the game ended with a 5-1 win, and put the Engineers at a 1-0 start to the ECAC conference. Saturday night, our traditional "blackout" game was a nail-biter to the very end. But when the Union defense seems to play better offense by deflecting a shot into their own net, you know there's only one way the game can go. By the end of the night, RPI locked in the win at 3-2, putting the Engineers at 2-0 in the ECAC. Personally, I still don't have my voice back after shouting at the game, but it is absolutely worth it. Props to section 33 and Red Army for shouting right

along with me. I sincerely hope you had the chance to go out and enjoy one of RPI's many beloved traditions, and to keep the rivalry alive.

In the world of the Executive Board, I would like to welcome our newest union funded club, Club Baseball. After the junior varsity team was cut last year, the players banded together to form a new team to continue their passion for playing. Last week, the board approved their buy into a league, and they will be traveling to play through the fall and spring for their season. We look forward to seeing them succeed! The E-Board also heard several other proposals throughout the night from American Collegiate Hockey Association hockey, Colleges Against Cancer, and other groups seeking funding. Although we cannot provide for all groups as they request simply due to a limitation of funds, I am proud of the board for always looking for creative solutions to meet clubs' needs. On

that note, I encourage all clubs to explore the WeR Gold program as a way of crowdsourcing funds for their larger purchases. There are multiple workshops that can be found through the Union website and Facebook page, and applications will be due soon! Keep your eyes open for the shuttles to the mall this semester, as the Senate project was approved to run for this semester, which includes the release day of *Star Wars Episode VII!*

As we begin to make our classes for next semester we begin to look towards the spring. We will see the snow falling and finals coming, Thanksgiving and Christmas right around the corner. For club officers we also see budgeting approaching! Important dates include Monday, November 30, the date preliminary budgets must be in Club Management System. Monday, December 21 the deadline for final budgets to be entered into CMS. If you have any questions about your budgets please contact your E-Board Representatives or stop by my office hours, because we are here to help!



**Nicholas Dvorak**  
President of the Union

## LETTER TO THE EDITOR

## The forced Summer (M)ARCH Program

CURRENT STUDENTS AND FACULTY HAVE A TREMENDOUS OPPORTUNITY to help those who come after us: If the so-called "Summer Arch" program is a bad idea, now is the time to stop it—before it starts.

Students, please make your views known to your instructors. Faculty, please ask for their opinions and their reasons.

I have heard it said that Summer (M)ARCH is of, by, and for Shirley Jackson—not for the undergrads, not for graduate students, and not for the faculty. I do not know if that is true, but last week's *Poly* editorial certainly offered a trenchant analysis of flaws in the proposed summer program.

That editorial, together with students' reactions helped me grasp the predicament facing the 750 students annually who would start classes in September of their sophomore year and then be under pressure almost continuously until December of their junior year. Stress disorders already are high on campus, and I doubt that faculty should simply go along with a major proposal that threatens to add to the problem.

If members of the Faculty Senate doubt that students oppose the Summer (M)ARCH, I request that you conduct a random survey of students, or a referendum. If, on reflection, you decide that Summer (M)ARCH is not what students actually want, and not what would actually be in the collective interest, then perhaps the Senate and its curriculum committee could—a bit belatedly—recognize and claim this issue as one with huge implications for faculty control of the curriculum.

A final thought from a political scientist: most people are acting like the forced (M)ARCH is a done deal, but it need not be. The (M)ARCH cannot go through without at least grudging cooperation from most students, many faculty, and most deans. If the Senate stands up for the undergraduates, for the faculty, and for good sense, you will make it easier for others to withhold their cooperation. Ever watched a house of cards come tumbling down?

Ned Woodhouse  
Professor of Science & Technology Studies

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# Sports

Wednesday, November 4, 2015

## WOMEN'S FIELD HOCKEY

# Season closes with two overtime victories

Joseph Saulsbery  
Senior Reporter

RPI FIELD HOCKEY FINISHED ITS SEASON ON A HIGH NOTE LAST WEEK with wins against Castleton State and Oneonta. After the Spartans took a 2-1 lead in the second half at Castleton last Wednesday, the Engineers scored five unanswered goals in the final 25 minutes to win 6-2. Then, against Oneonta, sophomore midfielder Kate Batzinger finished Rensselaer's season with a goal 1:18 into overtime to give the Engineers their 11th victory of the season.

In the road game against Castleton State, sophomore forward Jena Nawfel set up senior forward Hana Murphy for her fourth goal of the season just six minutes in, tying the game at one. The next score didn't occur until eight minutes had elapsed in the second half, when Castleton forward Hannah Williams deflected a shot off fellow Castleton forward Sarah Wells into the RPI net to give the Spartans a 2-1 edge. The lead didn't last long, though.

In the 46th minute, RPI senior midfielder Celia D'Agostino scored on a penalty shot to tie the game. Then, three minutes later, junior midfielder Colleen Fowler collected her own miss from in front of the Spartans net, to give Rensselaer a 3-2 lead. D'Agostino assisted the score, which followed a penalty corner by the senior midfielder.

Down the stretch, sophomore defender Mekayla Wakeman scored twice off of penalty corners and sophomore defender Jane Edgington tallied her first goal of the season to bring the Engineers to their 6-2 win. Freshman goalie Rachel Kaufman saved 10 of 12 shots she faced, which gave RPI the win, while Castleton goalie Meeghan Doris saved 11 of 17 shots that went on the Spartan's net.

Then, on Saturday, the Engineers outshot the Red Dragons 27-6 during the first 70 minutes of play, but still the game remained scoreless. Kaufman saved all four shots she faced while Oneonta goalie Krista Servedio turned aside 17 RPI shots to keep the game tied. But her



Sidney Kochman/The Polytechnic

**THE ENGINEERS PERSISTED** until the very end of the 2015 season with wins against Castleton State and Oneonta.

masterful shutout was broken up early in overtime when one shot from Batzinger from just inside the top of the circle went past her and gave the home team the victory.

This week, senior midfielder Celia D'Agostino was selected to play in the annual Division Three senior game, an invitation-only game for the best senior field

hockey players in Division Three. In addition, freshman goalie Rachel Kaufman was selected as the Liberty League's Rookie of the Week for the third time this season. As for the team itself, they finished with 11 wins, a notable improvement from the 2014 campaign that they ended with a record of 6-11.

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<sup>1</sup>Source: LIMRA Secure Retirement Institute, Not-for-Profit Market Survey, first-quarter 2015 results. Average assets per participant based on full-service business. Please note average retirement account balances are not a measure of performance of TIAA-CREF retirement offerings. <sup>2</sup>The Lipper Award is given to the group with the lowest average decile ranking of three years' Consistent Return for eligible funds over the three-year period ended 11/30/12, 11/30/13, and 11/30/14 respectively. TIAA-CREF was ranked among 36 fund companies in 2012 and 48 fund companies in 2013 and 2014 with at least five equity, five bond, or three mixed-asset portfolios. Past performance does not guarantee future results. For current performance and rankings, please visit the Research and Performance section on [tiaa-cref.org](http://tiaa-cref.org). TIAA-CREF Individual & Institutional Services, LLC, Teachers Personal Investors Services, Inc., and Nuveen Securities, LLC, members FINRA and SIPC, distribute securities products. ©2015 Teachers Insurance and Annuity Association of America—College Retirement Equities Fund (TIAA-CREF), 730 Third Avenue, New York, NY 10017. C24849D

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**SOCCER**

# Men win season finale

**Jack Wellhofer**  
Senior Reporter

MEN'S SOCCER CONCLUDED THEIR REGULAR season Thursday, October 29 with a 3-2 comeback win against the Keene State Owls. The win puts the Engineers at an 11-4-3 record overall, and 8-1-1 for non-league games.

The Owls struck fast and early against RPI, scoring the first goal 40 seconds into the game. A throw-in allowed Keene State player Conor Leahy to find Riley Steele, who put the ball past sophomore Ryan Nealon.

The Engineers, not to be outdone, struck back 22 minutes later. Senior Matt Carberry played a long ball to junior Devon Baughen, who slipped the ball past Owl's goalie Jacob Walker. This tied up the game and was Baughen's eighth goal of the season, the team leader.

In the 38th minute the Owls were back on top. A cross from Steele allowed Leahy to score. At the end of the half, Keene State lead 2-1. While the two teams were tied in shots on goal, RPI's offense forced the Owl's goalie to make four saves, while Nealon made none.

Baughen, with the help of senior Nathaniel Gunderson, tied the game for a second time five minutes into the second half. Gunderson made a 50-yard run down the field, pushing past Keene State's defense. He crossed the ball to Baughen, who was able to bury it in the back of the net.

The tie was finally broken in RPI's favor in the 79th minute, when Gunderson powered a left-footed shot just under the crossbar to secure the Engineer's 3-2 victory in their last game of the 2015 regular season.



Sidney Kochman/The Polytechnic

JUNIOR ANDREW GONDEK CHASES after the ball at Thursday's regular season finale.

**SWIMMING & DIVING**

# Ithaca cast asunder

## Bombers conquered by Rensselaer in 25 of 32 events to win breast cancer awareness meet

**Michael Baird**  
Senior Reporter

SATURDAY WAS A PLEASING DAY OF COMPETITION FOR THE ENGINEERS, WHO TOOK to the water determined to defeat the only team that outswam them last season: the Bombers of Ithaca College. With minds set on a team sweep, they accomplished exactly that. RPI won in 25 of the 32 events held at Robison Pool, winning in two more events than their last meet at Rochester Institute of Technology on October 17. At the close of the night, the men had earned 212 points over Ithaca's 83, and the women had won 161-39. What made the upset all the more sweet was that the meet helped to raise awareness for breast cancer.

Repeat winners were in no short supply among both the men's and women's teams. The 200 individual medley, 100 breaststroke, and 200 breaststroke were all won by junior Richard Dong. Dong also teamed up with freshmen Mavin Liu and Noah Pan to win the 400 medley relay. Liu and Pan also struck on multiple occasions: Liu won the 200 and 100 butterflies, while Pan destroyed the 200 and 100 backstrokes.

Sophomore Shanny Lin was at it again for the women, enlarging their margin of victory over the Bombers with her individual wins in the 100 butterfly, 200 fly, and the 200 individual medley, and her four person team win in the 400 medley with freshman Amanda Wang, sophomore Jessica Sauve, and junior Siena Sara. RPI finished more than 10 seconds before Ithaca's 'A' team hit the wall.

Sophomore Danielle Sauve went hard in the 1000 freestyle to come out 12 seconds ahead of Brenna Dowd from Ithaca. On the men's side, Dan Hendricks overtook the lead right away to complete the men's 1000 freestyle nearly 20 seconds before Ithaca's top 1000 freestyler did.

Months of "grueling" practices are to thank for the positive outcomes of every meet so far this season, according to junior and women's team co-captain Annika Lindstrom.

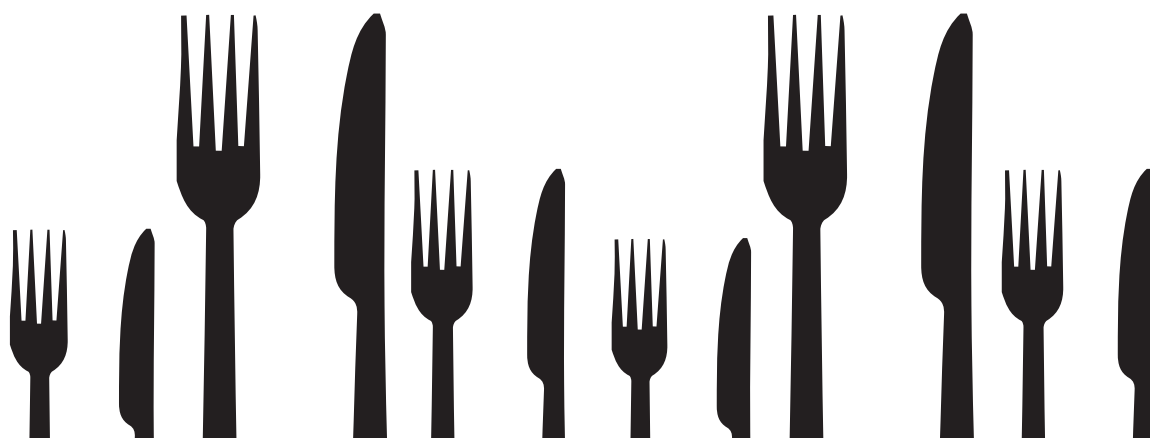
"Waking up every morning for 6 am practices and having to push through two practices a day is pretty difficult, almost impossible really without having the team to push you and support you through it," said Lindstrom, who swam in three events at the meet: the 100 fly, 200 fly, and 400 medley. "RPI has done a great job of that. Every time anyone stumbles, whether it be in practice or out of it, there is always someone to pick them up. The team we have now is the best I've ever been on."

Upcoming for the Engineers will be the New England Invitational this Saturday. Both teams are eager to maintain the momentum they've produced this season. The meet will be hosted by the Engineers of Worcester Polytechnic Institute and held at their home pool in Worcester, MA, at 1 pm. Last year at this meet, four Rensselaer swimmers obtained victories, five finished in second place, and six touched the wall in third place.



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## CROSS COUNTRY

# Martyrdom befalls Saints of St. Lawrence

## Women end St. Lawrence's 13 year winning streak to break their hold on the championship title

Michael Baird  
Senior Reporter

SINCE 2002, THE ST. LAWRENCE WOMEN'S cross country team has taken every league championship meet, until now. This year, despite having a home course advantage, the Saints of St. Lawrence University were finally cast down from their front-runner status in the league hierarchy.

It was the year when most of the Class of 2019 was born, 1997, that the RPI women's cross country team last won a Liberty League title. All of that changed on Saturday when they made their longtime rivals from St. Lawrence release the clutch they had held on the first place trophy for 13 consecutive years.

"My coach, teammates, and I are all incredibly excited having won the Liberty League title [on Saturday]," said junior Mary West, who came in ninth in the race with 23:09.1. "This has been a big goal of ours for the last three years, and to finally accomplish it and to upset our rival team was definitely one of the best moments of my life. Coming in ninth place overall and fourth for our team was a great feeling for me because

at this time last year, I was the last girl on our team. Dedication and motivation of my teammates has helped me to make strides in my running career, no pun intended, and I could not have done this without them.

"To be on the scoring team and to directly help our team to win was so satisfying after coming all this way. The hardest part now is to not be overly confident. We have our regional meet in two weeks where we will face very good, nationally ranked teams who all want the same thing as us: a spot on the starting line at nationals in Oshkosh, WI. The depth and ability of our women's team this year is greater than it ever has been and I believe that nationals can be in our grasp if we stay smart and focused in these next two weeks leading up to regionals. I've gone through everything with these girls, and to share these successful moments with them is the biggest reward."

Six women graced the top 15 in the six km race. First to cross for Rensselaer was sophomore Jaime Lord in 21:57.0, runner-up to the leader from St. Lawrence by a margin of 13 seconds. Senior Shannon Trant was next to appear on the homestretch, coming in at 22:24.7 in fourth place. Following on the RPI radar was junior

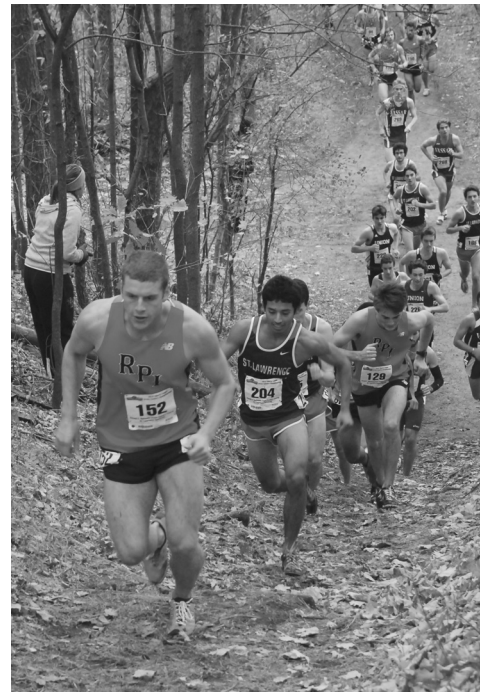
and women's team co-captain Maddie Dery, striding over in 22:33.6. Following West, senior Alexa Sakorafos completed the course in 23:24.7, placing twelfth, and rounding out the Engineers' presence in the front was senior and co-captain Loki Rasmussen in thirteenth with 23:29.1.

"The course was really muddy, which definitely made it slower...but we knew what we wanted and were willing to put in the effort to win the Liberty League title," said Dery. "We believe that any day is a great day to race."

The men's team has also managed to hold on to the first place trophy for many a year. Guarding it since 1995, the Saints have only shared it once in 2005 with the Engineers due to a tie in points, and they refused to let go of it on Saturday. Regardless, the men made a dominant name for themselves at the meet, earning an honorable second place to St. Lawrence 57-19. In their eight km race, junior Ben Fazio was first to blast through the finish for RPI, crossing in fourth, with a time of 25:51.2. Only he and freshman Grant O'Connor, who came in tenth with 26:26.3, finished in the top ten, whereas St. Lawrence landed six men in that bracket.

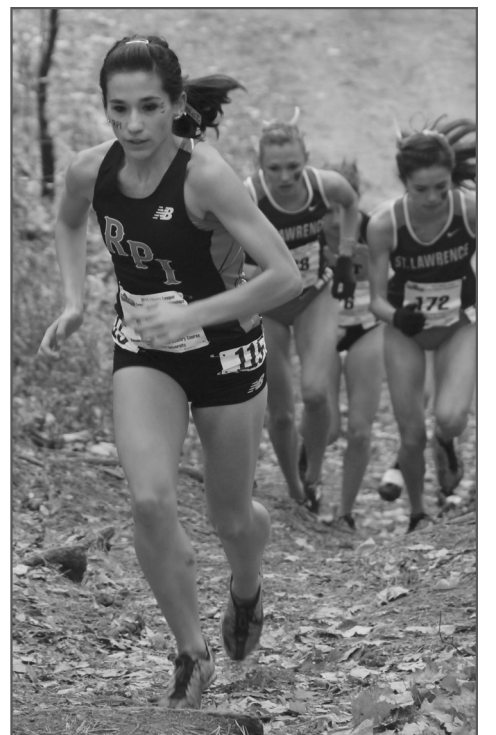
"We had a good showing as a team and overcame many of the challenges that come with a difficult course," said Fazio. "We're confident going forward that we're a strong enough team to place well at the regional meet and move on to the NCAA championship. The team that will be moving on to regionals is very young, with only myself and Steve Hammar having run the meet before, so everyone is very excited to represent RPI and to improve on the team's performance from last year."

After O'Connor came sophomore Matthew Stewart for RPI in thirteenth, followed immediately behind by senior Steven Hammar. Junior Tyler Carrara and freshman Sean O'Connor fought their way up to the front to finish in sixteenth and seventeenth. Junior Garrett Davis crossed after them in nineteenth.



Courtesy of Peter Duncan

SOPHOMORE DEVIN SULLIVAN RUNS uphill.



SOPHOMORE JAIME LORD CHARGES up a steep hill ahead of the entire competition.



Courtesy of Peter Duncan

JUNIOR BEN FAZIO TAKES to the front pack as the starting field heads down the first slope.

## WOMEN'S ICE HOCKEY

# Cornell and Colgate defeated by RPI in overtime

Joseph Saulsbery  
Senior Reporter

RENSSELAER WOMEN'S HOCKEY PLAYED TWO OVERTIME THRILLERS THIS PAST WEEKEND AT Cornell and Colgate Universities on Friday and Saturday, respectively, winning the first and tying the second. In the first game, RPI came back from a 1-0 deficit in the third period against the Big Red and won on a goal by senior forward Lauren Wash in overtime. At Colgate on Saturday, the Engineers trailed 1-3 heading into the third period before junior forward Katie Rooney saved the day with two goals, sending the game into overtime and force the eventual tie.

Defense and physicality dominated the first two periods of play in the matchup between Cornell and RPI. Freshman goalie Lovisa Selander and Cornell goalie Paula Voorheis turned away 17 and 22 shots, respectively, during the first 40 minutes of action, including several breakaway looks each. The Big Red killed four power plays—two for tripping—during that span while the Engineers killed two in the first period for hooking and cross-checking. In the third period, the teams traded goals in a span of 80 seconds. First, with 16:55 remaining in the final period, Cornell defender Sydnee Saracco found forward Kaitlin Doering in front of the RPI net, and Doering flicked the puck through Selander's legs to give Cornell a 1-0 lead.

Just over a minute later, the Engineers responded with a goal of their own off of a five-on-three power play. Wash passed it to freshman defender Josefine Hansen at the point, who hit senior forward Alexa Gruschow for a one-timer that she slapped past Voorheis to tie the game at one.

The game went to overtime, tied at one goal on 29 shots each. Then, Gruschow came up big again, backhanding a pass to Wash, who collected the pass and scored from in front of the Cornell net with two and a half minutes elapsed in the extra session to give the Engineers the win. Each goalie finished with two saves in overtime and thirty in the game and Selander recorded her second victory of the year.

Rensselaer fell behind again against Colgate. This time they surrendered two goals in the first period to Red Raider forwards Bailey Larson and Shelby Perry. In the second period, sophomore forward Shayna Tomlinson passed the puck back to sophomore defender Amanda Kimmerle at the top of the Colgate zone, and Kimmerle drove it past Red Raider goalie Julia Vandyk to bring Rensselaer to within one score.

Later, in the second period, Colgate forward Shae Labbe restored Colgate's two-goal cushion unassisted, her fifth score of the young season. The Engineers kept fighting and were rewarded for their perseverance midway through the third period

when Rooney fired a shot past Vandyk to bring the score to 3-2 Colgate. The goal was assisted by senior defender Brandi Banks and senior forward Mari Mankey. With little time left, Rooney delivered again to tie the score at three, this time assisted by Mankey and sophomore forward Marisa Raspa, her first point of the season.

In overtime, Selander made six clutch saves to Vandyk's one to preserve the tie. Selander finished with 31 saves on 34 shots while Vandyk hauled in 29 of 32 that she faced. The tie brings Rensselaer to a record of 3-4-1 after its first weekend of the Eastern Collegiate Athletic Conference competition. Next weekend, RPI will host North Country rivals St. Lawrence and Clarkson in its first ECAC home games of the season.



Kay Sun/The Polytechnic

RENSSELAER PERSEVERED on both Friday and Saturday, despite initial setbacks, thanks to goals by senior forward Alexa Gruschow and senior forward Lauren Wash. (file photo)



# UPAC Fall Concert Series Presents

# The Lucky Jukebox Brigade

with special guests

*Carl Daniels and the  
Black Box & Asoh Black*

FREE FOR ALL  
Saturday, Nov. 7  
7 PM Doors Open  
8 PM Show

Mothers Wine Emporium  
RPI Student Union  
15th and Sage Ave, Troy

**DILBERT** by Scott Adams

**SUDOKU**

		8		1	9			
							4	
1				7	4		9	8
	1	9		5	8	2		
		3	7	9		8	6	
5	9		1	6				7
	2							
			9	8		6		

Previous Issue's Answers

6	5	2	7	4	1	8	3	9
4	8	7	9	3	2	6	1	5
1	3	9	5	8	6	7	2	4
2	9	6	8	1	3	4	5	7
7	1	8	4	6	5	2	9	3
5	4	3	2	9	7	1	8	6
8	6	5	3	2	4	9	7	1
3	2	1	6	7	9	5	4	8
9	7	4	1	5	8	3	6	2

Fill in the grid so that each row, column, and 3-by-3 subsquare contains exactly one occurrence of the numbers 1 through 9.

**WORDFIND** by Shane O'Brien

Words can be found forwards, backwards, up, down, and in both diagonals.

**Vegetables**

O	B	Q	D	Z	V	V	L	N	H	U	K	W	A	E
S	C	H	I	C	K	P	E	A	D	R	X	V	S	D
G	N	K	E	F	U	U	E	S	E	L	Q	N	G	B
V	X	A	S	M	V	N	I	I	V	R	E	O	T	A
A	F	S	P	N	A	E	B	N	E	E	R	G	U	O
O	M	K	S	P	I	N	A	C	H	W	F	Q	O	F
O	I	U	E	G	E	M	I	L	I	O	X	D	R	L
N	W	N	R	V	V	A	C	S	R	L	N	O	P	Z
I	T	V	E	C	U	T	T	E	L	F	H	D	S	W
H	N	H	R	E	A	M	P	W	L	I	Z	T	S	D
E	A	B	K	I	G	P	Y	B	S	L	R	Q	L	Y
Y	L	E	D	I	E	A	W	O	E	U	Q	O	E	J
Y	P	O	G	P	Y	O	B	O	H	A	N	D	S	G
D	G	M	L	Q	D	R	B	B	U	C	C	A	S	X
I	G	L	X	I	U	H	E	Y	A	M	K	C	U	Y
R	E	W	N	S	J	F	I	L	O	C	C	O	R	B
B	J	B	U	L	J	U	E	E	E	Y	A	V	B	N
P	Q	T	R	E	B	M	U	C	U	C	Y	A	M	C
H	Z	V	P	R	M	V	A	B	V	F	K	H	B	P

- Avocado
- Bell Pepper
- Bok Choy
- Broccoli
- Brussels Sprout
- Cabbage
- Cauliflower
- Celery
- Chickpea
- Cucumber
- Eggplant
- Green Bean
- Lettuce
- Pumpkin
- Snap Pea
- Spinach
- Squash
- Yam

**CRYPTOQUOTE**

A Cryptoquote is a simple substitution code where each letter that appears may stand for a different letter. The substitutions are consistent throughout the puzzle. Punctuation is not translated.  
For example: AMXBMAAYQ = ENGINEERS

“V wj aok Wjwdvts  
Npntvtyhr! Nca  
rpc- mwee jk Jf.  
N. Nkmwcyk,  
wjwdvts, V  
wefkwur htpl  
aowa V wj.”  
-Jf. Npntvtyhr  
Mpfwevtk

**UPAC CINEMA**

**Ted 2**  
Friday • November 6, 2015  
7 pm, 9:30 pm, & Midnight • DCC 308 • \$2.50

**Amélie**  
Saturday • November 7, 2015  
7 pm, 9:30 pm, & Midnight • DCC 308 • \$2.50

TOP TEN LIST

# Top Ten Frivolous Senate Motions

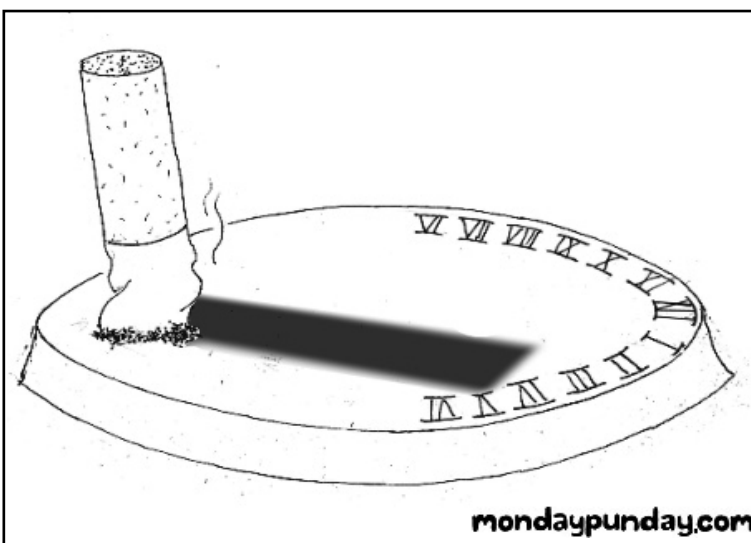
10. The Senate has power?
9. Make the *Poly* stop being mean
8. Vote to impeach someone
7. Anything by the grads
6. Motion to dissolve the Senate
5. Postponing the at-large E-Board votes
4. Approving the last UAR
3. Petitions
2. GPA minimum for Senate
1. Picnic tables

HARK! A VAGRANT

by Kate Beaton



MONDAY PUNDAY by Matthew Broussard



## Attend our next Co-Term Info Session



Wednesday, Nov. 11: 4:00-5:00pm Union 3202

### Two degrees. Five years. Six programs to choose from:

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## GAME REVIEW

# Early access filled with dinosaurs, fun

Jack Wellhofer  
Senior Reviewer

I'M GOING TO PREFACE THIS REVIEW BY SAYING THAT I'VE only scratched the surface of the content in *ARK: Survival Evolved*. This game is massive, and with an open sandbox-type of world there is simply too much for me to cover in the few hours I've played so far.

*ARK: Survival Evolved* has been on my radar for a few months now. Some YouTube personalities have been making Let's Plays, and I've seen it featured on Steam a few times, but it wasn't until last week that I decided to give it a try. In *ARK*, the player wakes up stranded on

an island filled with dinosaurs and other extinct beasts. He or she must craft tools, find or build shelter, survive, and thrive. First impressions: the game is beautiful and detailed. I was a little bit disappointed I had to turn down my graphics settings to get a decent framerate, but I was still impressed. There wasn't any sort of tutorial or hint for what I was supposed to do, so my natural instincts kicked in. That is, my instincts from five years and countless hours of *Minecraft*. I determined that the best course of action would be to punch the nearest tree. Lo and behold, my efforts were successful and I was rewarded with thatch and wood,

materials for my first primitive tools. Exploring the local flora netted me some much needed food, and from there I was off on my adventure!

In the next 15 minutes, I built myself some tools, a spear, and even slayed a mighty dodo for some additional nourishment. Feeling good about my situation, I wandered deeper into the forest, away from my beach spawn point, only to discover the true dangers of *ARK*. No, not lions, tigers, or bears (oh my!), but oversized and very hostile dragonflies. A group of three or four took down my unsuspecting survivor. And that would set the tone for my next few hours.

You see, dear reader, in *ARK* you die. You die a lot. First I was killed by dragonflies, so I started again. I gathered my tools and wandered safely on the beach. And there I discovered that dilophosaurus spawn on the beach, and I was attacked and eaten by them. I accidentally poked a brontosaurus with my spear and it crushed me. I was chased through the swamp by a huge crocodile. I was attacked by a dilophosaurus again. I discovered a cliff by walking off it. I met another player who shot me with a bow. These are merely some of the ways I have gotten myself killed.

That said, I had a ton of fun doing it. The developers have created a super enjoyable survival game, with an extremely interactive world to challenge your skills. All of the rocks, trees, shrubs, and creatures could be utilized for survival. There definitely is a learning curve, and without a tutorial it feels pretty steep, but the feeling of success I felt when overcoming a new challenge was great. Yeah, I had to start from square one 10 or 12 times, but each time I learned from my death (except for those dilophosaurus, who always seem to sneak up on me), and was able to try a new strategy.

From what I can tell, there is a huge portion of *ARK: Survival Evolved* that I haven't even touched yet. Dinosaurs can be tamed, crops can be farmed, and huge fortresses can be built. For a game that is still in early access on Steam, I'd say that's pretty good. The developers are actively taking suggestions from the community, so I can't wait to see what the final product will look like. While the game does need some optimization and balancing, overall it's an enjoyable, dinosaur-packed game.



Courtesy of Studio Wildcard

**ARK: SURVIVAL EVOLVED** COMBINES survival and a pre-historic environment for a unique gaming experience on the PC.

## EVENT REVIEW

# Robert Delong impresses at local concert, earns fans

Chris Leong  
Senior Reviewer

ON OCTOBER 31, THE FRENCH HORN REBELLION AND ROBERT Delong played at the Upstate Concert Hall in Clifton Park, N.Y. Located in a strip mall, the venue exhibits an unassuming presence; during the day, the parking lot outside looks almost vacated. However, on Halloween, costumed concert-goers packed the Upstate Concert Hall, as the French Horn Rebellion opened up the crowd.

Robert Perlick-Molinari ran onstage in a Japanese-style robe, wielding his French horn. Accompanied by similarly robed David Perlick-Molinari on drums, Robert kicked off the show with a fantastic French horn solo. Following their stellar first song, the group cracked a joke that they were changing their name to "Robe"-rt Delong, which was, of course, answered by a unanimous groan from the crowd. Jumping right into their next few songs, the duo actively interacted with the audience, with Robert running across the stage and at one point jumping into the crowd with his French horn. A song towards the middle of their act had Robert splitting the audience in two. One half was the "orchestra" and screamed and shouted when pointed at, while the other was the "marching band," first touching the ground then slowly standing up. The French Horn Rebellion understood the crowd well and was a fantastic act before Robert Delong.

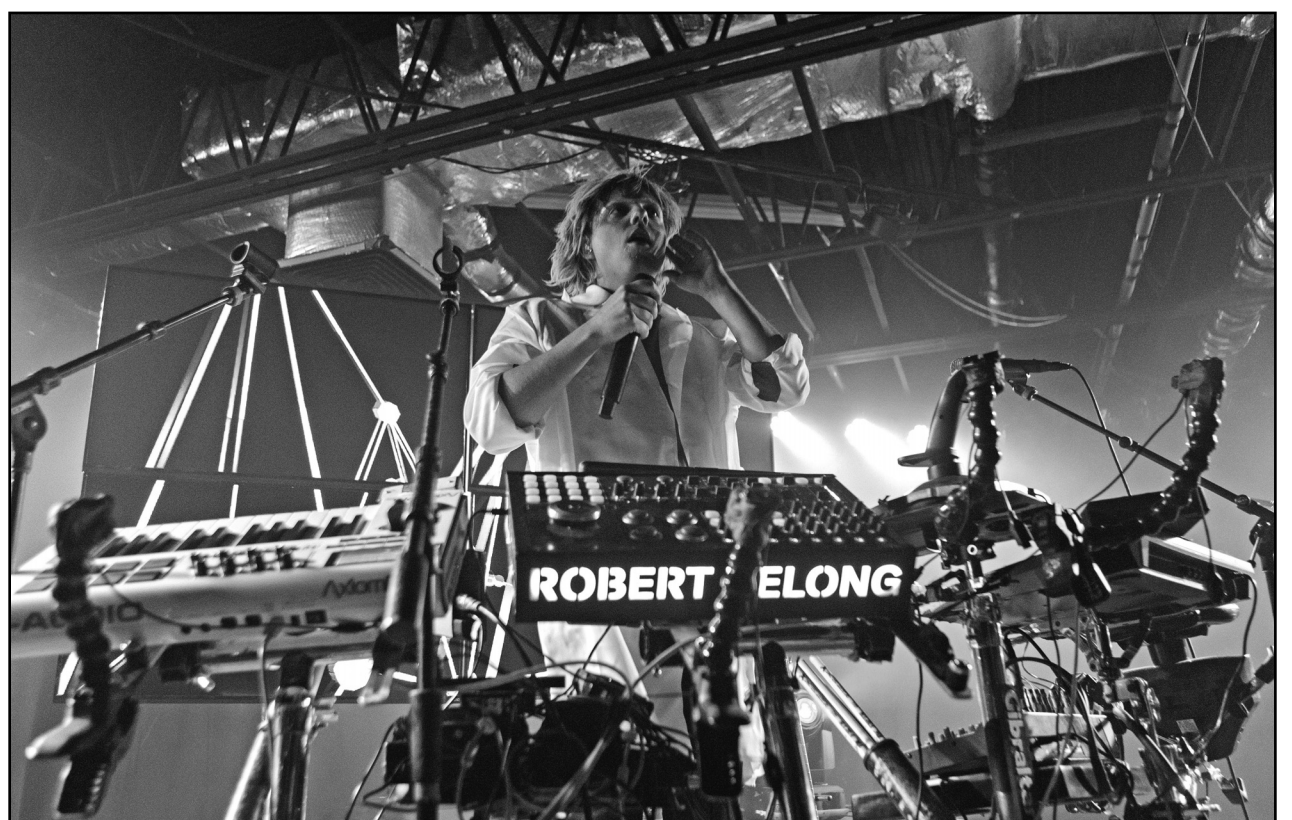
In between sets, Delong played an episode from season two of the TV series *Rick and Morty*; I didn't really think much of it. Then right before his act, the same four television screens displayed a heavily memed version of Seal's "Kiss from a Rose," filled with subliminal messages. Upon the video's conclusion, Delong ran onstage in a Rick costume with a handle of Bulleit whiskey. Taking a swig, he yelled "wubba lubba dub dub" into the mic, and used this reverberated soundbite as his intro to his first song. Strewn across the stage like a mad scientist's laboratory were two drumsets, assorted MIDI pad keyboard and button controllers, custom DJ controller, guitar, and of course his signature Nintendo Wii remote for vocal delay glitching. Delong perfectly embraced the role of mad scientist, playing backing electronic tracks on his

MIDI controllers in preparation for his wild, yet expertly executed, improvisations on drums. Though his recorded music consists mainly of EDM and electronica, the artist's live performance offers familiar alternative rock sounds and an explosive performance. Like the French Horn Rebellion before him, Delong jumped into the middle of the audience, grasping only his Wii Remote Controller and commanding presence. His captivating charisma set the show apart from other concerts I've been to; I really enjoyed his live performances of "Long Way Down" and "Global Concepts."

I LOVED this concert. Both the French Horn Rebellion and Robert Delong gave dynamic performances that actively involved the crowd. Additionally, Upstate

Concert Hall provides an intimate environment for concert-goers; there is no barrier between the audience and stage. This is something that I have never seen before, especially for such popular acts that perform at Upstate Concert Hall, including Robert Delong.

So two things: if you don't know who Robert Delong is, please go on YouTube or Spotify and check him out, then be on the lookout for when his next concert is. Second, check out Upstate Concert Hall's calendar; they hosted New Found Glory and Yellowcard earlier last week and are hosting Matt and Kim in December. With those names at this kind of venue, you'll receive a performance you won't experience anywhere else.



Courtesy of Alexander Spinelli/LongbowMedia

**ROBERT DELONG SINGS** dressed as Rick from *Rick and Morty* and provides backing tracks using his MIDI controller.

# Guardians: *Warzone* lives up to its epic title

From **Page 16**

the Battle Rifle. I then move to take the middle base. If my team captures the middle base, I am usually going to get 20-30 kills and 10 or so deaths. This is because it is much easier to camp defensively than it is to assault a position. When I am assaulting a position, my kill-death ratio is closer to 1.2-1.4 instead of the 2-3 when I am defending. This is why I prefer regular Warzone to Warzone Assault because in Warzone Assault, half the time you are defending and the other half attacking. I prefer to defend 80 percent of the time.

To win in Warzone your team needs to reach 1,000 points. Points are obtained by killing other Spartans, killing the bosses, and capturing bases. The main source of points is killing the bosses. They are fairly tough and take some time and a decent team of Spartans to take down. This being the case, it is incredibly frustrating when your team does the majority of the work and the enemies come in and get the final shot and get the full point value. I feel it would be beneficial if they changed it so that the final shot gets half the point value of the kill and the remaining half is divided based on how much damage each team did to the boss.

*Halo 5* does contain micro-transactions called Requisition Packs. Req packs give req cards and unlocks for cosmetic armor, visor colors, emblems, weapon skins, or assassination animations. Req cards are what you need to get power weapons or vehicles in Warzone. Some people thought this would make Warzone pay-to-win, but it does not make it so at all. The way the req system works is everybody starts off at one req energy. The better you play, the faster you gain req energy. Without enough req energy you can't spawn the more powerful weapons or vehicles, so it still requires good gameplay to get the best guns and vehicles. I usually rank in the top three on my team based on kills, and I only use the basic Battle Rifle, which doesn't cost req cards or energy, and the Sniper Rifle. The rate at which you obtain req packs from regular gameplay I feel is balanced and fair. The only reason I see for buying req packs is to unlock all the cosmetic items. People spending money for cosmetics is fine with me as it allows 343 to give out all the map DLC for free.



Courtesy of 343 Industries

**A SPARTAN IV FIGHTS the legendary boss Warden Eternal in a 12 vs. 12 online match of the Warzone game mode in the recently released *Halo 5: Guardians*. The game was released on October 27, 2015.**

The last thing I want to talk about is how 343 Industries has been handling its interactions with the community following release. On the Halo subreddit, a member of 343, /u/bravo343, has been extremely active acknowledging people's complaints and concerns with the game. It is reassuring to see that they are reviewing popular opinions and taking them into consideration. Three days after release, they also put out a community blog post detailing issues that they are looking into and some, like the mongoose being obscenely common, that are already fixed. This sort of quick response is very reassuring to see, and it only strengthens my faith in 343 to make Halo 5 the best it can possibly be.

My original draft of this review was 2300 words, but that is unacceptable for the paper, so I cut it down to the current 1460. There is so much more I could say about the story, the graphics, the advertising campaign (including the Hunt the Truth podcast series), the guns, arena, and many more little things that make *Halo 5* a great game, but alas I can't. I recommend this game to everybody, *Halo* newcomers and veterans alike. Also, if you'd like to play some matches with me, feel free to add me at Fochammer189.

**Tyler's rating: 9.4/10**

## CLUB HIGHLIGHT

# Flying Club takes silver at regional competition

**Elisabeth Ryan**  
Senior Reporter

ON THE WEEKEND OF OCTOBER 21-22, Rensselaer Flying Club took second in the 2015 Region VII SAFECON competition promoted by the National Intercollegiate Flying Association, with Kirk Bittner '16 receiving first in the Top Pilot award. These are just a few of the numerous accolades that RPI Flying Club received, which include first and second place in Navigation; eighth in Power Off Landing; first in Short Field Approach and Landing; first, fifth, and ninth in Message Drop; seventh and eleventh in Computer Accuracy; fourth in Aircraft Recognition; second and fifth in Ground Trainer; first, second, third, and fourth in Simulated Comprehensive Aircraft Navigation; and fourth in Aircraft Preflight

Inspection. If these statistics aren't impressive enough, compare RPI Flying Club's success with the success of schools such as the United States Military Academy, West Point, who placed sixth, or the United States Coast Guard Academy, who placed eighth, whose pilots and club members have intentions of using their pilot's licenses for their profession. Due to this triumph, our Flying Club, which is in the top three, has been invited to compete in the national competition in Ohio taking place this coming May.

In an interview with Kirk Bittner '16 and Alessandro Galli '16, the two talked about their personal experience with gaining their pilot licenses, the club and its members, and the effort and teamwork required of them to have such prosperity. "I've wanted to be a pilot since I was a little kid; I don't

remember a time I didn't want to be a pilot. But it wasn't until I got here at RPI that I decided to start my flight training. I joined the flying club here my freshman year and decided that since I wanted to do it so badly I might as well start. I got my pilot's license my sophomore year of college, and I've been flying ever since," said Bittner. "I went on to get my instrument rating, which is the next pilot's license you can get after your private pilot's license. I am now going to work for Cessna, which makes the planes we fly, and they have a flying club there, and I get to do a lot of flying with them over the summer." Bittner is an aeronautical engineer, as are over half of the members of the club.

However, the club does not require a member to be an aeronautical engineer, or have any flight experience. In fact,

the majority of the club consists of non-pilots who are either receiving their flight training, pursuing their license, or participating in flying. Bittner and Galli voiced their doubts of everyone pursuing a license, due to the immense cost, which includes renting aircraft, paying an instructor, paying for the test, and ground school (which the club offers at a cheaper price), which would total to somewhere between \$6,000 and \$8,000. The club itself takes on a large deal of monetary stress, especially during competitions. They flew three aircraft: two Cessna 172s, and a Cessna 152. The 172 is a four seater, costing \$120 per hour, and the 152 is a two seater, costing \$100 per hour. Concerning the costs of going to Ohio and competing there, the club is looking into WeR Gold and some major fundraising.

When asked if these senior members felt confident in leaving the fate of their beloved club in the hands of their predecessors along with their general comments on their underclassmen, they said they "definitely feel confident. Coming into this year, we were a little bit worried with the cost associated with becoming a pilot. Not many of our members can afford the cost. A lot of our pilots are upperclassmen. But this year we've had a lot of new pilots join the club and our freshmen have started their flight training or plan to start soon...Everybody on the team contributed to our overall score. Everybody did something with a test or exam that contributed. Everybody on the team makes a difference. Just having everyone there is important."

Stay tuned to hear how our Flying Club fares in the national competition. I for one anticipate it with high hopes and expectations. Go RPI Flying Club!



Courtesy of Justin Weinstein '19

**THE RPI FLYING CLUB TOOK second at the regional SAFECON competition. Kirk Bittner '16 earned high honors at the competition by taking home the award for Top Pilot. The club earned spots at the national competition in May in Ohio.**

# Features

Wednesday, November 4, 2015

## GAME REVIEW

# Halo 5 delivers next-gen experience

Tyler Carney  
Senior Reviewer

This review contains no story spoilers!

I'VE BEEN PLAYING *HALO* SINCE THE ORIGINAL Xbox and *Halo: Combat Evolved*. It is by far my favorite series and I was hyped for *Halo 5: Guardians*. I was not disappointed with the game overall, but I feel like it could have been better with some changes.

My foremost complaint about *Halo 5* is the campaign length. Even though there are 15 missions it only took me six and a half hours on heroic to beat it. 343 Industries said they wanted it to be longer than *Halo 4*'s campaign (which only had eight missions), but I felt purely time-wise they were similar. When I heard 15 missions, I was hoping for a 10 hour campaign; the missions were short. It took me 15 minutes to beat Mission 4, and when the achievement popped up for finishing the mission I thought to myself, "Really? That was it?" That being said, I still thoroughly enjoyed the campaign. There were moments of awe and crazy realizations, and *Halo 6* is looking to have a great story also.

The game favors Spartan Locke much more than the Master Chief. Of its 15 missions only three are playable as the Master Chief. In *Halo 2*, there was a similarity where you could also play as the Arbiter, but the Master Chief was still central stage. I would have preferred if both were equally as playable.

Another major change to the campaign as compared to previous games is that you play as part of a fire team. Basically, it is you and three other Spartans fighting as a team rather than the lone gun of the previous Master Chief Halos. The members of your fire team don't play a big part in the main story. I know almost nothing about Spartan Locke's fire team except for Buck as he was in *Halo 3: Orbital Drop Shock Trooper*. On the Chief's side, I only know about them because I read the books. Had I not read the books about them they might as well be faceless Spartans IVs instead of Chief's closest friends. You can figure out more about the fire teams if you hunt for the intel, but it isn't a great system and it



Courtesy of 343 Industries

**HALO 5: GUARDIANS IS the newest release in the series that follows the characters of Master Chief and Spartan Locke.**

should have been more incorporated into the main story.

I played the campaign solo, so the rest of my fire team was controlled by the AI. I have to say they felt pretty useless. The only good thing I found they helped with was reviving me when I went down. They also weren't very effective in combat. For example, I set them to kill an elite. While they were attempting to do so, I killed seven other Covenant and they still hadn't finished him off; I had to finish him. If they were completely removed from the game it wouldn't change the campaign much as they were useless in both combat and the story.

The actual gameplay is so smooth. When playing, I feel like a real Spartan—the best the human species has to offer. I am fast, agile, strong, and overall it's much better. In the earlier *Halo* games,

the Master Chief was a slow-tank sort of character, so, in my opinion, this change is great. This transformation of movement in *Halo* also helps it compete against other multiplayer games that are becoming more mobility-based such as *Call of Duty*. Although, it still feels very "*Halo*" in the sense that map control is important, power weapons are key, and everybody starts out with the same weapons.

The level design of the campaign is also incredibly different from the previous games. The levels lend themselves to the new mobility mechanics by becoming vastly more vertical and there are many different paths to take. Some paths are hidden and require a shoulder barge to get to, which offer variety to the subsequent playthroughs. With the different ways the maps can be approached it allows for each player to play to their way, whether

it be a full-on frontal charge, flanking procedures, or sitting back and sniping.

After finishing the campaign, I jumped into Warzone. I put ten and a half hours into both versions of Warzone and thoroughly enjoyed it. At first it was rough getting used to the flow of the matches. I am used to regular arena *Halo* where you generally know where everybody is and where the flow of players will go. In Warzone it is much more difficult, as it is so hectic. In total, there are 24 players, AI defenders, Legendary Bosses, and regular bosses. Couple this with all the vehicles around and the huge maps, it is difficult to keep a good grasp of it. This confusion wore off after about five games when I finally figured out the flow and how I play it best.

My general strategy for Warzone is to get to requisition level three to unlock

See **GUARDIANS**, Page 15

## BOOK REVIEW

# Classic novel explores meaning of adulthood

Nathan Dorer  
Senior Reviewer

FIRST PUBLISHED IN 1959, JOHN KNOWLES' BREAKOUT NOVEL *A Separate Peace* achieved worldwide acclaim from critics and readers alike; despite a 35-year career as a writer, the novel remains Knowles' most famous and celebrated work. The coming-of-age elements in the book have lent themselves to thousands of high school curricula since the book was released, and *A Separate Peace* has become a staple of the modern classic genre.

*A Separate Peace* presents itself as a pseudo-autobiographical account of the author's experiences at Phillips Exeter Academy, a prestigious boarding school in Exeter, New Hampshire. While the plot of the novel is completely fabricated, the aspects of boarding school life and culture are modeled after Knowles' experiences; Knowles provides his characters with a secret society that resembles one that he was a member of during his time at Phillips Exeter, and he has explicitly acknowledged that characters in the piece are modeled after his fellow students.

The book is told from the perspective of Gene Forrester, a student at Devon Academy during World War II.

As the war rages on overseas, Gene acknowledges that life at the boarding school seems isolated; as carnage ensues, the campus of Devon remains shockingly carefree. The protagonist of the story finds himself growing up as the world expects its youth to devote themselves to the war, and he struggles with the forced maturity that he and his peers encounter.

The novel centers itself around the relationship that Gene holds with his best friend, Finny. Gene alternately idolizes and loathes Finny; while Gene is grateful for the friendship he shares, he finds himself ultimately very jealous of the fact that rules seem to bend around Finny due to his outgoing and good natured personality. Knowles explores the dual-faceted nature of this relationship, as Gene struggles between the love he feels for his best friend and the jealousy he feels for his simple and happy existence. In the words of Gene, "Phineas was the essence of...careless peace."

As the summer session ends, Gene finally encounters his impulsive and irrational hatred for Finny that spawns as a consequence of his jealousy. The relationship between Gene and Finny left Finny exposed, and Gene's

rage is ultimately subsided when he injures Finny to a degree that ultimately ends his once-promising sports career. From here, the novel devolves into an episodic detailing of life at the boarding school, and the consequences that Gene encounters as a result of his act of violence against Finny.

Ultimately, *A Separate Peace* is a presentation of the thoughts and ideas of a person who is encountering just what it means to become an adult. Rather than dealing with standard coming-of-age themes, the first-person narration is a description of the thoughts and ideas of the protagonist. Because the book is based on the experiences of Knowles, he gains a notably insightful and raw description of Gene's stream of ideas. Knowles has an inescapable ability for introspection within the protagonist, in part because the character is largely based on himself.

*A Separate Peace* is an exploration into the growth and development that is forced upon this group of high school students. The piece is unique in its sincerity; Gene acknowledges his lapses in judgement and his misconstrued ideas, yet he still follows through. The novel is a raw, unadulterated idea of growing up.