The Pioneer

ESC SURVEY

CAROLINE YU (EE '15)

Every year, the Engineering Student Council sends out a morale survey to engineering students. The purpose of the survey is to gauge the general sentiment of the Cooper engineering student body. Although student representatives talk with their engineering sections on a regular basis, the survey enables the student council to compare the opinions of different grades and majors. 252 students completed the survey this year. A few interesting general results were as follows. More than 200 students picked full-tuition scholarship as a contributing factor on deciding whether to attend Cooper and more than 160 students picked Cooper's quality of program as a contributing factor. Over half of the students who completed the survey are not optimistic about Cooper as an academic institution over the next 10 years and beyond. At the moment, the majority of the student body is happy at Cooper. If you would like to see what are favorite and least favorite things engineering students chose about our school or what contributes to their work ethic, look out for the results of the survey soon! ◊

SPRING POETRY SLAM

ANAMIKA SINGH (Art '17)

On February 27th, Cooper Union poets gathered to celebrate the long tradition of spoken word poetry. Hosted by the Black Students Union (BSU), The Poetry Slam was an opportunity for all to get in touch with their inner poets and share the passion of poetry. While the tradition of spoken word poetry dates back to Ancient Greece, the modern form of spoken word originates from the African American Civil Rights Movement and Harlem Renaissance.

Osaze Udeagbala (ChE '15), President of BSU and host of the event was the sacrificial poet of the night, meaning he would begin the line up. Osaze opened the night with his intense but humorous poem Blackberry, his first spoken word performance. Michael Ketigian (BSE '12), a Cooper Union alum and phenomenal poet then took the stage, setting the tone for a successful night ahead with his poem. After Michael various other poets such as Carson Foley (Art '17), Steven Neuhaus (ChE '15), Chaimaa Makoudi (CE '14), Kenneth O'Neill (ChE '16), Anthony Traina (ChE '16), Hindi Kornbluth (ChE '14) performed. After a short intermission Keagoe Stithm (Art '13), Ratan Sur (CE '15), Keith Caskey (ME '15), Anamika Singh (Art '17), Jimmy Espinoza, and Emma Faith Hill (Art '17) followed, bringing their words to life. The night closed with Sarah Schmitt (Art '17) and her incredible poem "Dear Diary".

SENIOR CLASS LETTER

March 7, 2014

Dear Friends,

2014 seemed so far away when we arrived at The Cooper Union. Now we have less than three months left until we graduate.

During the past few years, we have worked countless hours in labs and studios striving to become the great architects, artists, and engineers that Peter Cooper envisioned. We are all extremely privileged to have received full-tuition scholarships during our college careers. Now we have an opportunity to celebrate the legacy of full-tuition scholarships while helping to provide for the next generation of Cooper students.

We seek to raise a Senior Class Gift equal to **one full-tuition scholarship** of $38,500. We can accomplish this with a gift of $183.50 from each and every graduating senior; however, it's more important that we all participate, no matter the level.

Please help us reach our symbolic goal by giving a gift to support the students who follow in our footsteps.

Sincerely,

The Senior Council

FIFTH ANNUAL TALENT SHOW

YARA ELBOROLOSY (CE '14)

On March 1st at 7 p.m., the Great Hall was filled with about sixty people from all three schools to watch eighteen acts where students showed off their unique talents. The show started off with CooperNova dancing to a Justin Timberlake medley, getting the crowd excited for the rest of the show.

Right afterwards was Elliot Curran (EE '16) playing Frere Jacques songs on the bass by himself, filling the hall with soothing music. Diana Yun (Art '13) was up next, playing three traditional songs on the dombra, a traditional two string lute from Kazakhstan.

Jean Lam (ChE '17) followed Diana with a piano performance of a composed piece and Opus 13 Pathetique by Beethoven. Both instrumental pieces were beautifully played, reminding the audience of the wonders of classical music. Peter Morfe (EE '15) came on stage and sang a beautiful cover of the song "I've Got You Under My Skin".

The next performance was a lively tango dance performance by Professor Osburn and his teacher Laura Real, both whom danced elegantly and stunningly. Gavin Kaplan (EE '16), who was also the host of the show and helped tremendously with organizing it, performed a magic trick, which was very entertaining for the audience.

President Bharucha played the violin with Sophie Lee Landou (ChE '15), who played her harp for a charming performance. The following performance was Ethan Lusterman (EE '14) on the guitar playing three original songs, which were all well written and well played.

Closing the first half was Andrew Tallaksen (ME '15), Chae Jeong (ChE '16), Jenny Jung (ME '16), Quinee Quintana (CE '15), and Mindy Wong (ChE '14) with a wonderfully cute medley of songs from the recent Disney movie, Frozen.

After a fifteen minute intermission where cookies and water were served, Ashli Gonzalez (CE '16) and Sam Zhang (EE '16) took the stage singing and playing "Wrecking Ball" on the piano for a remarkable performance.

Sophie Lee Landou (ChE '15) came on stage once more to play her harp for a solo piece for another outstanding performance. Up next was Michael Logan (Art '15) with his sensational voice singing "I am Changing", making for a phenomenal performance.

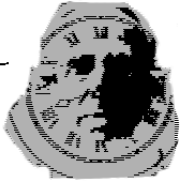The Cooper Union Breakdance team, the "Princess of Powers," took the stage with a mix of dancing and acrobatics to a medley of popular songs, for a very fascinating performance. Michael Luke (CE '14), Daniel Baamonde (EE '14), Nico Castro (EE '14), and Neil Muir (ME '14) make up the Sons of Pitches, an all-male a cappella quartet they started in 2011, and sang a medley of Michael Buble's greatest hits with their delightful voices for one of their final performances at Cooper.

The Karate Kid, also known as Malcolm Dell (ME '14), came on stage to display some karate moves, which was terrifying but enticing at the same time. The PEN15, a band made up of Ethan Lusterman (EE '14), Anthony Traina (ChE '16), and Kenneth O'Neill (ChE '16), were up next with a couple of original upbeat songs with entertaining lyrics.

Last, but not least, was the Coopertones, the first a cappella group at Cooper, sang "Mirrors" by Justin Timberlake along with a Disney Medley with only man-made sounds and no instruments.
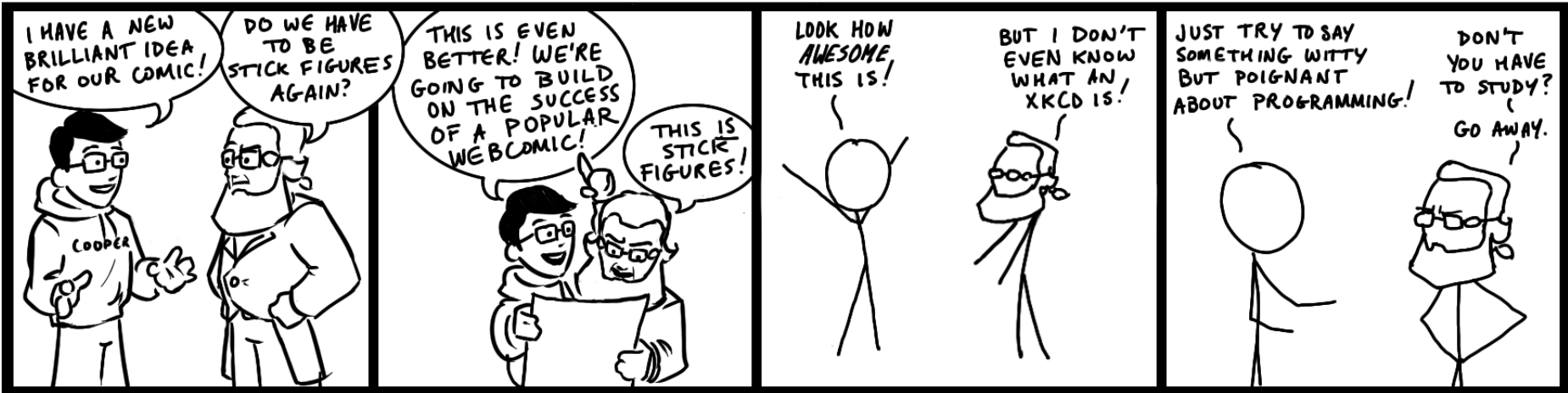
Every year, the talent show is an example of how well Cooper students can come together to help each other out to make something amazing happen. It's only at Cooper that a show can run so smoothly after being organized in just a month and without ever having a dry run through. It takes immense talent, dedication, and diligence for this to occur and this is what you find at the Cooper Union. ◊

JAKE POTTER (ME '16)

Peter Cooper — In The Future — Episode Thirteen

(§ continued from front)

The Poetry Slam created an environment in which students were transformed into poets and their words carried the audience to a place of passion, love and understanding. The Black Student's Union gave students here at the Cooper Union the opportunity to truly engage and express themselves through medium of this art. Slam poetry has the power to move and empower its listeners, perhaps a reason why the tradition persists generation after generation.

You can view photos of Poetry Slam, taken by Antonia Stoyanovich (Art '16), here: http://on.fb.me/1nskiwY ◊

Photo Credits: Antonia Stoyanovich (Art '16)

INVARSITY FEEDS 50
CHAE JEONG (ChE '16)

On Thursday, March 6, 2014, students gathered in the lobby of the New Academic Building at 5PM for an event called Feed 50. Feed 50 is an event held by Cooper Union's Intervarsity Christian Fellowship that is modeled after a larger-scale work done by New York City Urban Project called Feed 500.

Feed 50 works to help the less fortunate in the community around Cooper Union. Student met at 5 PM to pack lunch bags consisting of a cold-cut sandwich, water bottle, and some candy. Students also included some encouragement cards and a slip of paper with the nearest churches and shelters that work with the homeless.

After the lunches were packed, the students each took two lunches with them – one for the less fortunate and one for themselves. Not only were they tasked to give out food but were also encouraged to sit down and chat with them, pray with them, and to get to know them. Around 6 PM, the participants ventured out, going all the way to Union Square and Alphabet City to share the lunch bags that they packed.

Intervarsity holds this event at least once a semester with the belief that Jesus loves the people of this world so much that it is a person's duty to spread that love. This does not mean, however, that faith is required to attend this event. It is rather a faith inspired event and Intervarsity encourages anyone who can lend a helping hand to participate in these events. Intervarsity plans on holding another Feed 50 this semester. ◊

Photo Credits: Chae Jeong (ChE '16)

SPORTS UPDATE
YARA ELBOROLOSY (CE '14)

As the second semester starts to become overwhelming, some of the sports are coming to the end of their season while others are about to start. The women's basketball team played Pratt Institute in the beginning of February. Even though it was a tough game, they never gave up and everyone was determined to do their best. The men's basketball team also played Pratt Institute right after the women's team. Although it was another tough game, the men's team gave more than 100% and won the game, making the last point in the last couple of minutes of the game. Two weekends ago, the men's basketball team traveled to Providence, RI and Boston, MA to participate in an Art School tournament, coming home with second place. The men's basketball team just played New School this past weekend for their senior night, celebrating the dedication of their three seniors. The women's basketball team will play Sarah Lawrence this weekend for the first time. The men's volleyball season has started up, already playing Sarah Lawrence twice and Pratt once. They have an upcoming game with Medger Evers this week. The men's tennis team is getting ready for their season, eagerly awaiting their South Carolina training trip which will also involve players from the women's tennis, basketball, and volleyball teams. As the weather warms up, the cross country team can be seen running around the city. ◊

Women's Basketball Team

	Cooper Union	Pratt Institute
Score	23	45

Men's Basketball Team

	Cooper Union	Pratt Institute
Score	41	40
	Cooper Union	Mass Art
Score	71	23
	Cooper Union	RISD
Score	52	56
	Cooper Union	New School
Score	70	63

Men's Volleyball Team

	Cooper Union	Sarah Lawrence
Score	3	0
	Cooper Union	Sarah Lawrence
Score	3	1
	Cooper Union	Pratt Institute
Score	2	3

KENKEN
MARCUS MICHELEN (BSE '14)

KenKen is a Japanese paper puzzle by Tetsuya Miyamoto much like Sudoku, only it involves both math and logic. It roughly translates to "cleverness-cleverness."

Instructions: Like Sudoku, each row and column must contain the numbers from 1 to 6. The number in the upper-left corner of the bolded shape made up of squares is the number you need to get by using the operation next to the number. For example, the "20x" rectangle in the bottom left corner can be filled in with a 5,4 or a 4,5. The unique solution to the last issue's puzzle is reproduced below. This puzzle contains only one solution, which will be released in the next issue.

Last issue's solution grid:

2	3	4	5	6	1
6	5	1	2	3	4
4	1	3	6	2	5
1	6	2	4	5	3
3	2	5	1	4	6
5	4	6	3	1	2

CRYPTOQUOTE
MARCUS MICHELEN (BSE '14)

A Cryptoquote is an encoded quote. It is encoded such that each and every occurrence of a letter is substituted with a different letter of the alphabet. Using clues such as frequency of occurrence and placement, the original quote can be found. For instance, the word xbdikcxxbz could be deciphered to reveal the word LONGFELLOW.

"UKSSJBCII JI ZUCB ZUKY MEW YUJBR, ZUKY MEW IKM, KBQ ZUKY MEW QE KDC JB UKDLEBM."

- LKUKYLK XKBQUJ

Last Issue's Solution:
"I am tomorrow, or some future day, what I establish today. I am today what I established yesterday or some previous day."

- James Joyce