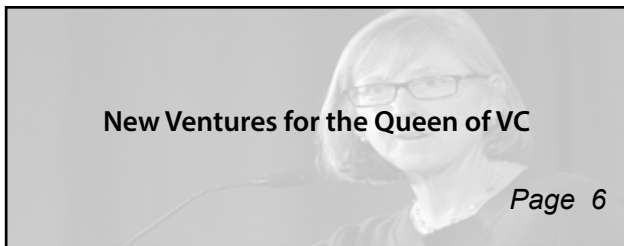




California Sets Ambitious New Clean Energy Target

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New Ventures for the Queen of VC

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O-Week: A Review

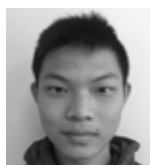
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Waterloo Grade Adjustment List Revealed



STEVEN DU
1A SOFTWARE

It's no secret that Ontario high school marks have been rising at a remarkable pace. Since Ontario abolished province-wide standardized exams in 1967, the percentage of students applying to university with an A average (80%+) has increased from under 40% to well over 60%. While this trend could suggest that students are getting smarter, a cursory glance at student performance on the province-wide EQAO and literacy exams would indicate otherwise. Instead this phenomenon is attributed to grade-inflation, whereby schools artificially raise marks to give students a better chance in an increasingly competitive university admissions environment. Although this may give students an easier time when applying to university,

admissions officers are now tasked with determining the eligibility of applicants using sets of incomparable grades. Waterloo's solution? A high school grade adjustment list.

For years, Waterloo Engineering has adjusted grades based on the performance of previous matriculates from the same school; but until now, the data used for those adjustments has never been publicized. The list, which contains data from three years for 74 high schools who have sent numerous students to Waterloo's engineering program, offers some interesting insight into the consistency of marks from different schools and school boards. It is important to note that while the list shows the average drop in mark from high school to university, it does not show how this drop impacts the chances of student admission. Here are some of the highlights from the data:

- The average drop in marks from high school to university for an Ontario

school not part of the 74 schools on the list is 16.3%

- The average mark drop for schools on the list ranges from 10.1% to 27.5%

- Schools that are part of the Toronto, York Region, and Ottawa public school boards had an average adjustment factor of below 16%

- Four of the five private schools on the list had an average drop of over 16%

- Of the top 10 schools with the lowest adjustment factors, six were within the top 100 schools (out of 747) as ranked by the Fraser Institute*, compared to none of the bottom 10 schools

- Of the top 10 schools with the lowest adjustment factors, seven offered an AP or IB program as compared to four of the bottom 10 schools

From this data, it is difficult to comment on the relationships between internal school factors and grades; specifically, there is contention as to whether or not

schools ranking near the bottom are culpable of grade inflation. The manager of communications for the Peterborough Catholic School Board (which includes St. Peter Catholic Secondary School, which received an adjustment factor of 23.5%), Galen Eagle, asserts that "any indication that [the list is] a sign of inflated marks at the high school level, is beyond stretch of imagination." Eagle reasons that there are a variety of factors that could affect a student's transition into university, namely the familiarity of the university environment compared to the high school environment. Nevertheless, the data offers valuable feedback for schools trying to help students ease the transition from high school to university.

*The Fraser Institute ranks schools based on quantitative data from the standardized, province-wide EQAO grade nine mathematics assessment and Ontario Secondary School Literacy Test

Video Games and Gambling

Belgian Move to Ban Loot Boxes Met with Pushback



KAI HUANG
2A COMPUTER

In April of this year, the Belgian Gaming Commission took a thorough look into the implementation of "loot boxes", specifically those in EA's FIFA, Blizzard's Overwatch, and Valve's CS:GO. Their conclusion was that as the loot boxes were essentially a game of chance that required real money to play, it would be subject to Belgian gambling law. A statement from Belgium's Justice Minister was

put out on the 25th of April officially outlawing loot boxes in video games, warning the publishers of a prison sentence of up to five years as well as a fine of up to €800,000.

In July, Valve pushed a patch that locked all loot boxes for CS:GO players located in Belgium. In August, Blizzard followed suit, disabling loot boxes in Overwatch and Heroes of the Storm, though they mentioned in a press release that they did not agree with the Belgian opinion. Unlike the other two, EA has refused to comply and as of the 22nd of September, loot boxes are still present in FIFA 18.

EA has had a long history of

controversy when it comes to in-game purchases. Star Wars: Battlefront II made a name for itself when severe outrage regarding the pay-to-win nature of the game forced EA to eventually remove all loot boxes from it altogether. However, EA has made statements claiming they do not believe the loot boxes in their FIFA games can be considered as gambling and even suggesting that the loot boxes are designed with the players' interests in mind.

Their argument comes from 2 major points. Firstly, EA claims that the players will always receive a specific number of items in each loot box they

purchase, though the items are still randomized and may not be of equal value. Secondly, EA argues that as none of the virtual items can be cashed out for real-world currency, the gambling regulation is not valid.

The Belgian Gaming Commission, in response to this, has recently requested a criminal investigation by the Brussels public prosecutor's office into EA's refusal to remove the loot boxes from FIFA 18, as well as their open statement that they would continue to push for loot boxes in their next game: FIFA 19.

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Letter From the Editor

The Word of the Day is Media



RAFIQ HABIB
EDITOR-IN-CHIEF

Hi and welcome to the first Fall 2018 print run. The Iron Warrior started off with a huge change this term: the relocation to a new room. Whisked away from our cozy Batcave in Engineering 2, we have been transplanted in DWE 1352, in the odd section of the building between the labs and the classrooms. Don't get me wrong; its not a bad change at all. In fact, the move has allowed us to dig up some old artefacts from the Iron Warrior's inventory: a stack of discontinued Iron Warrior coverall patches and a box of sugar cubes that expired in 2017 (who knew that sugar could even expire!). We also have a big window (with a beautiful view of bike racks and a three-storey brick wall), 8 Ethernet ports (all of which seem to be just for show), and a proper sign outside our door.

Before I go any further, I'd like to thank everyone that has made this move and our first issue possible. Thanks to Mary Bland and EngFOC for lugging all our stuff to DWE. A special thanks to Hasan and Cameron for their guidance and training. A huge welcome goes out to all the new members that have joined the Iron Warrior team. Thanks also to Steve, Beverly, Hasan, Kaaru, Nela, and Parul for copy editing. And a special thanks to Kirsten and Mia for coming out on Sunday to help with layout. Finally, I'd like to give a special mention to Stone for preparing a very retrospective Iron Inquisition; "That One Time in First Year....".

This issue is brimming with great articles and columns: Steven's frontpage article on the famed high school grade adjustment table that Waterloo uses for engineering admissions and Kai's piece about EA's lootboxes are both contentious issues that many will find a good read. Parul's new column "The Start-up Briefing" brings us right into the biggest drama at Kleiner Perkins, a large Venture Capital firm. This issue's PCP, "Should we Have Gender-Exclusive Events" is an incredibly non-PC topic but really makes you think

about a phenomenon that seems to be getting more prominent at Waterloo and at employers' networking events. Both Janny and Beverly make great arguments for their respective side of the debate. We have many more articles that I won't mention here but are also great.

Now I must admit, I'm definitely not used to being as impartial as I have to be as the Editor-in-Chief. Let's just say that I'm someone who has no trouble developing impassioned views on all sorts of topics (in high school I used to write exclusively Editorial and Opinion pieces for the newspaper). Now, as the facilitator in the board's discussions, I feel like I must walk a much finer line and hold a much more detached view of the discussion topic so that members of the board can work to bring their ideas to the table. The goal is not for me to make my point, but to get others to make theirs and play the devil's advocate (if needed) so that happens.

So I told the board that I would tone down my focus on politics for the next 4 months in favour of a more balanced approach, but there's one thing that I would like to mention: looking at (controversial) topics from the opposite viewpoint from yours is truly eye-opening. I get it; the "put yourself in their shoes" cliché seems like such an oversimplified fix to all the world's problems that it gets a quick eye roll and then you flip to the next page or ignore whatever else the person you are speaking to is saying. But honestly, it is becoming much rarer for people to actually consider how others may be thinking, especially in today's political discourse down south. There has been considerably more in the news about this recently, with Facebook's newsfeed controversy, but the lack of concrete solutions being posed to fix the echo chambers that are surrounding us are cause for concern. By nature, sites like Reddit and social media tend to cause like-minded people to group together. However, that is no excuse for the polarization that is happening in the media and in everyday life. Where are the headline articles full of experts trying to close the large gap in the middle of the political spectrum? All

we get is a few days of "Facebook was bad" then go back to "Whoa look what Donald said this time" and "10 images you won't believe are real." Where are the answers people? And now, where politics used to be about big-tent movements that united the majority of people, it has become more about fringe groups trying to convince voters that they are the "least bad" of all the options. We shouldn't have to hold our noses to vote, it should be a badge of honour.

I question how much we can attribute this to media, and how much is due to the extreme views of a few highly public figures, but there's no doubt that the media shoulder a non-trivial amount of the blame. More "modern" news sites like Buzzfeed (if you can call that a news site), as well as more classic ones like CNN all seem to be gravitating towards clickbait-y articles. Everywhere you go, it's harder and harder to sort through the one-line news stories and find solid reporting. Even when you find a source that offers a substantial amount of content and isn't hidden in ads and auto play videos, impartiality is increasingly sparse. To be fair, this is a combination of catering to readership and politics leaking into every corner of our lives, and everyone is at fault. But how can we possibly fight the "fake news" assault on expression of speech when the lines between fact and opinion are being blurred everywhere?

To end on a much more positive note, I received an email for the Iron Warrior from the Director of Communications to the Honourable Jim Carr, Minister of International Trade Diversification, asking if we would publish his op-ed on the Canada-EU Free Trade Agreement (CETA) and it benefits one year after the deal. Now I must admit, on behalf of the Iron Warrior I was flattered: is the Waterloo student body actually such a valued constituency that we deserve an opinion editorial from the Minister of International Trade Diversification? Of course, once I came to my senses, I realized that it was some sore of mass communique, but hey lets still chalk that up as a win in our books ok?

THE IRON WARRIOR

The Newspaper of the University
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The Iron Warrior is a forum for thought-provoking and informative articles published by the Engineering Society. Views expressed in The Iron Warrior are those of the authors and do not necessarily reflect the opinions of the Engineering Society.

The Iron Warrior encourages submissions from students, faculty and members of the university community. Submissions should reflect the concerns and intellectual standards of the university in general. The author's name and phone number should be included.

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New Development Proposed at King and Bridgeport

Two Tower Development Draws Controversy



STONE HE
2A MECHANICAL

A controversial 11 and 24 storey high twin-tower building proposal has been placed under consideration for construction on the site of the former post office at King and Bridgeport.

HIP Developments search for approval to construct the condominium started in April. Since the building exceeded the 16-metre limitation, the city council made an amendment on the construction restrictions on September 10 to allow the possible construction to take place. However, the Region of Waterloo will have to approve the amendment before construction can begin.

The new development would be up to 81 metres tall, compared to the surrounding buildings where the height reaches up to 16 metres in uptown Waterloo. The residential building would have around 321 units, an increase from the 290 units announced earlier in April. HIP Developments hopes to begin construction by the spring of 2019.

The residential building would have its first four floors dedicated to a group called Launch Waterloo. Launch is a group that dedicates itself to STEAM

(science, technology, engineering, arts, and mathematics) programs in the Waterloo region. The centre within the building would aim to increase interest to and inspire young people to pursue the arts and sciences.

This proposed development had faced backlash from Chris Kolednik, a mayoral candidate running for the next election. In a Twitter post, he called the new development a “monster” and claimed that the city council was “selling out Waterloo for taxation dollars.” In addition, Kolednik worried that this development would “absolutely destroy the uptown Waterloo spirit.”

Kolednik’s stance on this development is based on his view that the city has not considered community input regarding the recent trend of rapid residential developments. He states that some of the recent developments look as if an industrial building has been placed within a residential neighbourhood. He also stated that an earlier 13-storey Beechwood project “sticks like a sore thumb that doesn’t belong.” This is an idea that anyone who has taken STV 202 would remember: it is important to not design something that would stick out.

However, there have been some positive comments about new developments in general. Kelly Steiss, another mayoral candidate, wants new developments to reflect the growth of

the city and allow for growth “in a way that makes sense.” In addition, Steiss has mentioned that most residents told her that they are not opposed to the new developments in the city.

The Waterloo municipal elections will happen on October 22, 2018. Whoever wins this election could have a large impact on the future of this and future residential projects, and the direction in which Waterloo will grow.

Belgian Move to Ban Loot Boxes Met with Pushback

Continued from Page 1

The commission has also stated that even if EA is found to be innocent under the judge, they would immediately advocate revising gambling laws to tackle the problem.

EA has long focused on loot boxes as a core component in their business strategy. It was revealed last year by their CFO Blake Jorgensen that the loot box model in FIFA had made them \$800 million in net revenue. It is unlikely that they would easily back down from this situation.



California Sets Ambitious New Clean Energy Target



TONY KAPPEN
2A ELECTRICAL AND
COMPUTER

California, which is already a world leader on clean energy, has upped its commitment even further by committing to 100 % zero-carbon electricity by 2045 – a mere 27 years from now. The bill, SB100 will commit California to get all of its energy from renewable sources by 2045. To go even one step further, Jerry Brown, the Governor of California signed an executive order committing the rest of the state’s economy, not just the energy-producing parts – to be carbon neutral by the same date.

California’s shift, although ambitious is not radical departure by any means. The path to developing a clean economy has been one that California has been walking on for the past 15 years. This is just another step in that direction.

In fact, the logic behind setting the more stringent targets now follows from the state meeting its previous targets years in advance. The previous law required greenhouse emissions to return to their 1990 levels by 2020 (which was achieved this year) and 40 percent below that marker by 2030. In this same period, the economy did not falter as was feared. Instead, it grew by almost 26%. This provided legislators the confidence to pursue a path towards zero-carbon energy sources more confidently and the bill easily passed the legislature.

The state, often the victim of persistent wildfires and drought has embarked on a marathon to be a

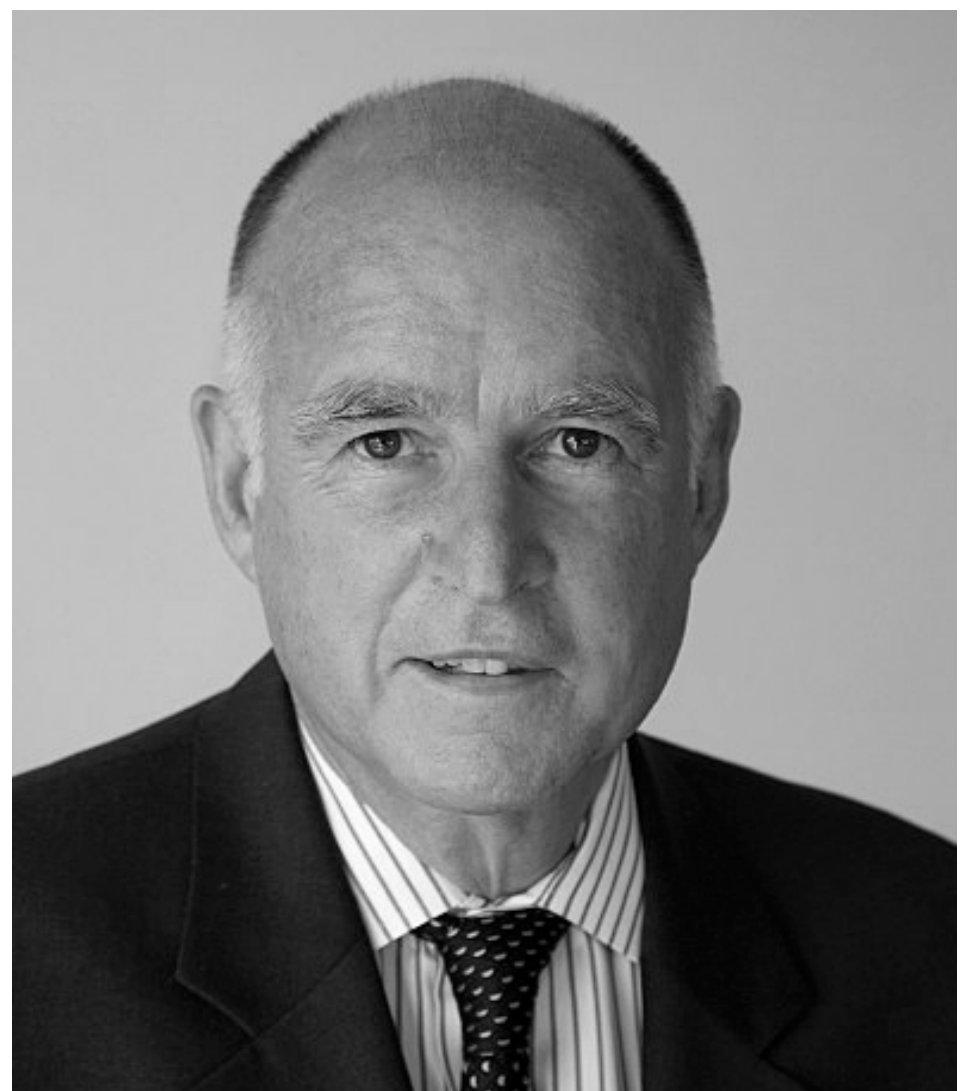
green powerhouse and is set to reach the finish line a lot sooner than it expected.

California’s decision to embark on this path will increase the odds we all face of reversing the effects of climate change before they become too severe, which is generally considered to be a 2-degree temperature increase. As the world’s fifth’s largest economy (it is almost twice as big as Canada’s), anything California does is going to have an impact. More importantly than just decreasing the number of pollutants pumped into the air, California provides other states, provinces, and countries a path forward. If California can do it, then why can’t it work elsewhere?

Although California is very likely to meet the targets that it has set for itself, a few things stand in the way. Primarily, how it plans to get the power for its new green economy. The main path forward has been a greater reliance on wind energy and solar. Solar, which California has in bunches thanks to all its sunshine, is unlikely to pose a problem. Wind power, on the other hand, it intends to source from the mid-western United States. The only problem with this idea is that even though the mid-west is a great source of wind energy, its governments do not have the same drive towards renewable energy sources that California might have. In an attempt to combat spotty sources of power, the state’s governor is pushing an effort to effectively integrate the power grid of those states and that of California. This would ensure that the state has a reliable source of wind energy that is not susceptible to the direction of rapid changes in the political winds.

Even as the risk posed by climate change has become ever more serious, many governments around the world have failed to take action. California has shown that concrete action can be taken, by slowly and steadily striving to

meet targets, constantly, and accurately measuring whether those targets have been met and finally, planning ahead and remove any roadblocks well in advance. If it can work in California, then it can certainly work here.



California Governor Jerry Brown

Point Vs. Counterpoint

POINT

BEVERLY VAZ
2B SOFTWARE

I believe that at present, in the fields of science, technology, engineering, and math, it is desirable to have gender-exclusive events. In the past women have been undermined in these fields and having such events would benefit them by creating a fair and level playing ground. However, I am in no way suggesting that such events should restrict the interactions between men and women. Doing so would prove to be a loss to society. It is important that people from both genders are able to interact as that is what gives rise to a healthy society. What I'm trying to convey here is the significance of such events in providing women a space where they feel they are encouraged - a platform which can give them a push so that they are equals to their male counterparts in society.

Women have always been under-represented in these fields - both in education and the workforce. As per statistics for 2017 published by the Faculty of Engineering here at the University of Waterloo, the percentage of women in the freshmen class was 30.1%, and the percentage of undergraduate women was 27%[1]. Though the environment is inclusive, the lower percentage indicates that these fields have yet to garner the competencies that women can bring to these programs. Gender-exclusive events help women meet other women. This has many advantages:

1. Due to the cohort system that Waterloo engineering follows, students tend to take a large bulk of their courses with their classmates over the near 5-year period of their degree. This makes it difficult to meet women from other programs more frequently.

Gender-exclusive events, be it social or educational, help solve this.

2. They help women connect with upper-years from in and outside their programs who can offer guidance and support from their experiences. This provides insight into dealing with difficult situations and mentorship from people who have walked this path before.

3. By offering a place for women to socially interact with one another, they can build on the industry experience of other women and learn how to better meet workplace challenges.

Not so long ago, women were not encouraged to enter and make progress in these fields. The now infamous Google Echo Chamber memo shows that these ideas are still very much alive in parts of society. While the research done by the author of the memo and the scientific accuracy of his findings are questionable, if we were to even consider giving him the benefit of doubt, then, such events would help bring women at par to their counterparts in society, as many of these events provide training and collaborative work to put young women out there. Such instances have the potential of creating a negative impact on the minds of young girls who want to join the field. To overcome the damage such experiences have brought on, gender-exclusive events help give women the additional push to help bridge the gap that was created. They provide reassurance that there exist women who have made it in the field or who are willing to stay in the field.

Hence, there is a need for gender-exclusive events to take place.

[1] <https://uwaterloo.ca/engineering/about/faculty-engineering-statistics>

Should Gender Exclusive Events Exist?

COUNTERPOINT

JANNY WANG
2A NANOTECHNOLOGY

Women in Engineering is a praiseworthy organization; I would not mar their good name, for I know them as providers of free food and that is a virtue which amnesties all sins.

There is a plethora of similar sisterhoods on campus, ranging from sponsors of women-only networking events to 'inclusive' sponsors of caffeine and tea. Their general *raison d'être* is to promote the existence of women in this or that field and to promote the survival of those already present.

A praiseworthy cause - and it does warm my heart to see my poor life choices so validated by semi-official channels. All the same, I am not quite certain that they might not do better to broaden their purpose; men are surely quite as malnourished as women and probably quite as in need of networking and caffeine. The knowledge that their forefathers oppressed their foremothers is probably a poor consolation for missing out on free coffee.

Female-only events, or even events geared specifically towards the fairer sex, are inherently unfair unless there are similar events for males (indubitably there are not). It is quite simply unjust that half the population should have access to resources the other half is deprived of.

The common rejoinder is that history and society combine to hamper women in STEM - whether that be true or not,

I leave to the Arts majors - but all the same, it is a poor thing to meet injustice with further injustice. To remedy the sins of our fathers is praiseworthy; to do it by kicking our brothers in the loins, less so.

If we mean to abjure the past, let us abjure it entirely. A girl in engineering was noteworthy in 1915 - it is no longer so. It is a routine, mundane, everyday sight...certainly nothing so rare, or fragile as to merit an organization or ten dedicated to protecting her existence.

To tell a girl that it is so is to tell her that the world is a minefield of sausages, wherein no dame may venture without arming herself with Simone de Beauvoir and a few frying pans. It is, moreover, to tell a girl that she has ventured firmly onto male territory. This is not a concept liable to console the hearts of the oppressed and sleep deprived.

As men and women are equally consigned to suffer in engineering, we would do well to discard the relics of ages past and to cease picking at this half-healed scab. It would be a most excellent triumph for social justice if men, as well as women, might have every opportunity to listen to the self-advertisement of three-penny start-ups - it would certainly be a great triumph for students if there were more equity in access to free food. It might even lead to an engineer getting laid.

Editor's Note:

Point Vs. Counterpoint is a feature meant to stimulate discussion on thought-provoking topics. The views and opinions expressed here do not necessarily reflect those of the authors, *The Iron Warrior*, or the Engineering Society.

American Permission Granted for Canada-Australia Deal

Canada to Buy 25 Used F/A-18 jets to Supplement Air Force


KAI HUANG
2A COMPUTER

The United States' Department of Defense has granted Australia the permission to sell Canada 25 used F-18 fighter jets. After a lengthy procurement process, the road is finally cleared for the Royal Canadian Air Force (RCAF) to receive the supplementary aircraft they require.

This news comes at a time when relations between the Canadian and American governments have been increasingly strained, with the original plans for the procurement entangled in the same trade war that remains even now.

Original plans for the procurement involved Canada taking part in the US-led Joint Strike Fighter program, which ultimately culminated in the infamous F-35 Lightning. However, with the Liberals' rise into power in 2015, that plan was scrapped, due to the ideal that the RCAF's capabilities should be first and foremost concentrated in North American defense, and not stealth first-strike capability.

When the F-35 program was terminated, the RCAF fleet was already found to

be in dire need of replacement. The CF-18 Hornets that are still currently being flown were acquired in 1982, produced in the US by McDonnell-Douglas as a derivative to the F-18. The aircraft have been involved in many NORAD patrols and flew combat sorties during the Gulf War, Kosovo War, as well as service in the global military intervention against the Islamic State. Two phases of upgrades later, they are due for replacement given their aging systems and inability to achieve air parity with other fighters in the current generation.

In 2016, the Liberals made the decision to purchase 18 F/A-18 Super Hornets from Boeing, the successor to McDonnell-Douglas. The plan was to use these fighters as a stopgap measure until a new strategy could be developed for a full replacement. By 2017, the plan called for a procurement of 88 advanced multirole fighters. The purchase of 18 F/A-18's was still set while the new jets are to be properly sourced and purchased.

However, with the trade controversy involving Bombardier's C-series commercial jets and the government subsidies, Boeing became increasingly at odds with the Government of Canada. After successfully lobbying the Trump administration


A F/A-18 Fighter Jet

to bring in a tariff of almost 300% on the Bombardier jets, the Trudeau administration retaliated by cancelling the order of F/A-18's, instead turning to Australia for sourcing.

The Australian fighters are older, and the new order of 25 jets includes 7 of which that are likely intended to be stripped down for parts or utilized for testing purposes. The cost of the order is not fully known, but the Liberal budget has set aside \$500 million.

Even by excluding the United States

from the deal itself, the decision to approve the deal still must be made by the U.S. The Australian F-18's were initially built in America, based on American design, and using American systems. Ultimately, they have been approved, and years of waiting have finally led to the procurement of the stopgap. Now onto the wait for the true next-generation multirole replacements.

Self Driving Cars: A Discussion

Giving the Wheel to AI May Sound Fancy, but Won't Solve our Problems

SELINA HSU
1A MECHATRONICS

Forget about jet packs and flying cars; the future, today, is more drones and self-driving cars.

Google put their first driver-less car on a public road in 2015. It had no steering wheel, no pedals, and was unaccompanied by police. It captivated the public, sparking new questions, new discussions, and new ideas about what the future would look like. Google's project began back in 2009, making it older than the release of the first iPad (and the formation of One Direction). Sure enough, almost a decade later, autonomous cars in 2018 are a big deal. Waymo (Google), General Motors, Tesla, Ford, Volkswagen, Toyota, Uber—the list of companies interested in autonomous vehicles goes on and on. Tech companies are spilling into the auto industry for the first time, pushing established car companies to keep pace and innovate fast.

The self-driving car has become a popular tech buzzword in recent years. We're told that the technology is right around the corner and ready to cause massive disruption.

We talk about how automation will change our transportation methods, our infrastructure, and eventually the jobs in our society. The ethics behind it has become an especially common topic of discussion; what will happen when the car needs to make a life-or-death decision? What privacy concerns will come along with connectivity? Can automating everything possibly be human-centric design?

There are naturally a lot of opinions against self-driving cars. Or at the very least, arguments against their widespread deployment. Just because the technology is ready doesn't necessarily mean that people are ready to want or use it. It still feels odd to trust an algorithm to do better than a human driver, even if the data can show us otherwise.

Moreover, encouraging the use of cars for personal commutes just isn't going to work for future cities. As long as cars are the better option when compared to public transit, people will continue to rely on them more. Electric-powered self-driving cars definitely are going to be more energy efficient, but there's so much more to long-term sustainability than cutting down on



smoothgroover22 via Flickr under CC BY-SA 2.0

Once of Google's self-driving cars.

fossil fuels. Self-driving cars will inevitably contribute to traffic and take up more parking space, even if they could someday be a public-use system; it's impossible for them to be in constant circulation, as they would always be more heavily used during the morning and evening commutes.

At the end of the day, public transit simply moves more people with fewer resources. It also clears up the roads for those who need to use a car for a specific reason. Lowering the number

of cars on the road would make transportation better for everyone. Unfortunately, improving public transit usually gets stuck in a feedback loop, where people avoid transit because it isn't convenient, and so the systems are never encouraged to improve.

The best thing about the future might not have to be the new technology, it might be better, faster, and greener transportation for everyone.

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PARUL ARORA
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THE START-UP BRIEFING

If you knew you could predict which companies would be successful, what would you do about it?

One firm decided to rightfully make the woman that could a partner. Mary Meeker joined Kleiner Perkins in 2010 after creating her legacy as an industry analyst with her famous "The Internet Report", written at Morgan Stanley in 1995, which served as a "Bible" for investors during the Dot com boom.

Venture Capital (VC) firms are investment firms that provide funding to companies in which there is generally substantial risk involved. There is no single formula for success - securing an investment from a VC can be based upon anything from the product, the vision of the founders, the market potential, or a combination of these factors and more. The risk, the competitive nature of the career, and the barriers to entry make the field difficult - in short, there is no complacency in venture capitalism.

Kleiner Perkins Caufield & Byers, often abbreviated KPCB and commonly referred to as Kleiner Perkins, is a VC firm that provided funding to companies in early stages of growth.

The founding partners came from relevant backgrounds - with Kleiner founding Fairchild Semiconductor and Perkins having been an early Hewlett-Packard executive. In 1999, Kleiner Perkins, along with Sequoia Capital, provided 24 million dollars in funding for 20% of a small company aiming to make profit using a page ranking algorithm that had been a part of their thesis at Stanford University three years prior. This company would later become Google, and have a market cap of \$827B as of 2018.

Early stage investments cemented Kleiner Perkins into financial history books, marking the firm's prestige. On a very basic level, they leveraged the start-up culture in their region (the Bay Area) and stood to make an unfathomable profit, back when Silicon Valley resembled more of a shallow trough than the revered region it is today. Their tactics provide legitimacy to the notion that high earning potential exists along speculated geographical corridors, especially ones technologically esteemed to be peppered with an abundance of start-ups.

Google went public in 2004, having investment banks Morgan Stanley and Credit Suisse as underwriters for the IPO. At the time, Meeker was a research analyst working for Morgan Stanley. Her reputation was built on her ability to compile industry reports with massive data sets that provided comprehensive insight into the direction of the industry. There was no public hesitation on her behalf when Morgan Stanley went through a rough patch in 2005 nor when she decided to leave her position as a managing director there in 2010.

It is not so unreasonable to believe that when the woman revered for acting based on industry data says it's time to leave that others are likely to follow suit. Her departure from Kleiner Perkins in

2018, on the basis of disagreeing with investment strategy, has most certainly raised eyebrows of the investors who believe a strong board is indicative of financial stability. Meeker's desire to focus on late stage ventures raises early alarm bells warning of safer investments being found in established companies. As she leaves Kleiner

Perkins, she takes with her three other colleagues, now all former partners at Kleiner Perkins.

Partners leaving firms often reflect poorly - Social Capital having recently been the subject of eco-friendly watercooler talk when three partners left within a short time frame. Despite its reputation, even Kleiner Perkins is not immune to the effects of this warranted public scrutiny. In this shroud of uncertain times, the departure of partners yields a meek outlook for Kleiner Perkins, along with a Meeker-less future.

Meeker remains optimistic - "we're happy with the investments we made" she says. Putting aside any curiosity about the nature of the profit, there is more of an inherent disbelief raised from the existence of a venture capitalist's happiness. If not for the money, happiness is so rarely found that maybe following Mary Meeker's departure wasn't such a bad idea after all.

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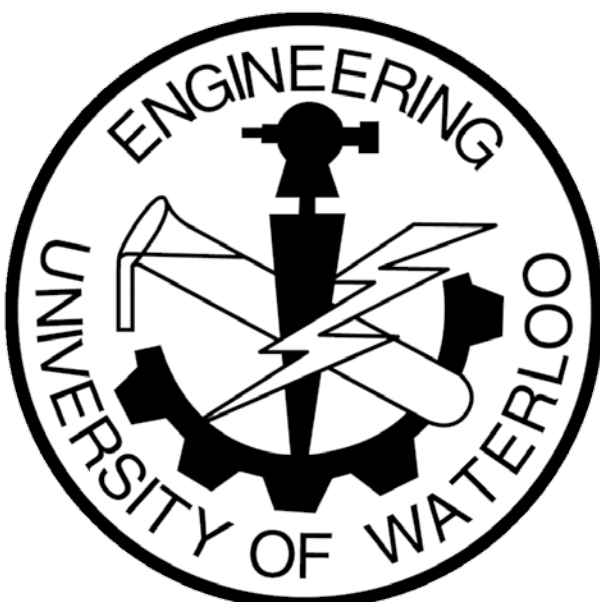
sff@uwaterloo.ca
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Mary Meeker speaking at the Web 2.0
Conference in San Francisco





O-Week: A Review

KIRSTEN EHLERS
1A BIOMEDICAL

September 2018 began with a fresh new batch of 1As arriving on campus. To welcome them, there was the annual orientation week. The theme this year was Terrain Takeover.

Some of you may have seen the swarms of first years wandering around campus on the Wednesday. Many, like me, were bouncing off the walls with excitement for all the fun activities we had ahead of us. But no matter how excited we were, I think it's safe to say we were all a little nervous about the new chapter in our lives.

I, like many others, was a little worried. Away from home for the first time and studying one of the hardest programs, I kept asking myself: am I ready? Am I going to make friends? Are geese going to attack me on my first day?

As I walked into my team's HQ, all my worries were washed away. I was greeted by a fabulous entranceway made to look like a campfire, and the lecture hall was decorated like the highland mountains to go along with the Terrain Takeover theme. One of the leaders came up to me and asked, "dark brown?". I nodded, took a seat, and let out a sigh of relief.

Everyone was so nice. The Bigs and Huges were welcoming and enthusiastic and answered all my frantic questions about university life. I finally thought: everything is going to be fine.

We walked around campus, met the awesome SuperHuges and learned about a few engineering traditions (the rest were crammed into an entire book, which we received in our orientation bags). Then we were sitting in the lecture hall, just having a good time, when...

SLAM.

Dozens of people marched into the aisles. They dressed in all black, chains wrapped around their bodies. They scowled. They were slamming sticks and parking signs on the ground. The room thundered. We didn't know how to

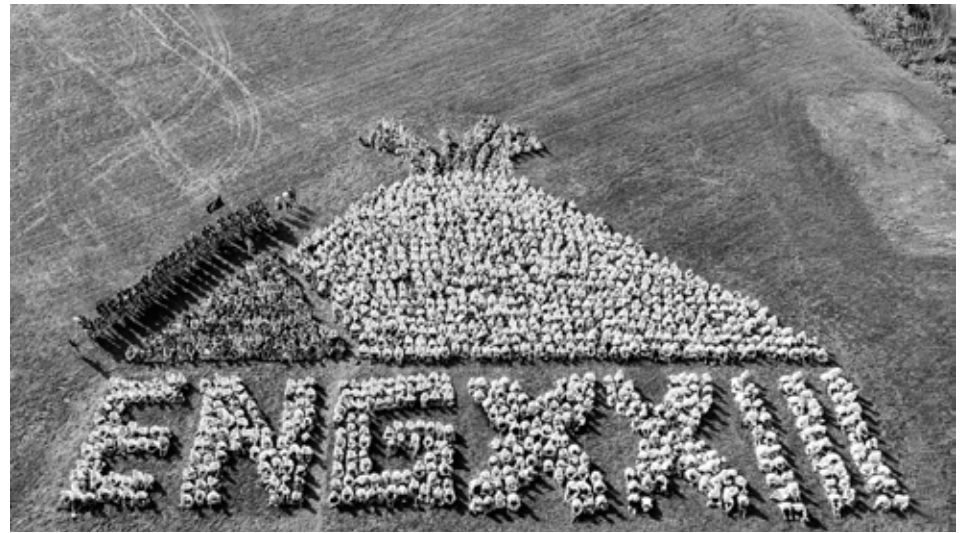
react. That was our first introduction to EdCOM. It was fun and exciting (and a tad bit intimidating), but it also set the tone. The next few days were going to be interesting.

Next, it was time to earn our hard hat.

An afternoon of teamwork challenges awaited us. We built a never ending ramp out of junk, walked through the mud pit (a special shout out to all the Bigs who laid in it), and dragged tires in a game of the steal the bacon.

It was hot. I was sweaty. I was tired. However, the pride I felt when I put on my hard hat was undeniable. It felt great to be a part of the engineering team.

There were other events too: Junkyard Wars, where I learned you can make a catapult out of anything (even a mop); Scunt, a wild scavenger hunt adventure frantically running around campus and embarrassing myself; smash band, which included wonderful renditions of Africa and Mr. Brightside, both of which were



Joseph BURGEL via Flickr under CC 4.0

Class of 2023 Photo on the V1 Green

stuck in my head for several days after.

All in all, the engineering orientation was an amazing experience. The engineering faculty was an incredibly welcoming community.

So, thank you to the SuperHuges, the

Huges, the Bigs, and EdCOM. Now we know that the next five years at UWaterloo will be amazing. The frosh are super excited to be here.

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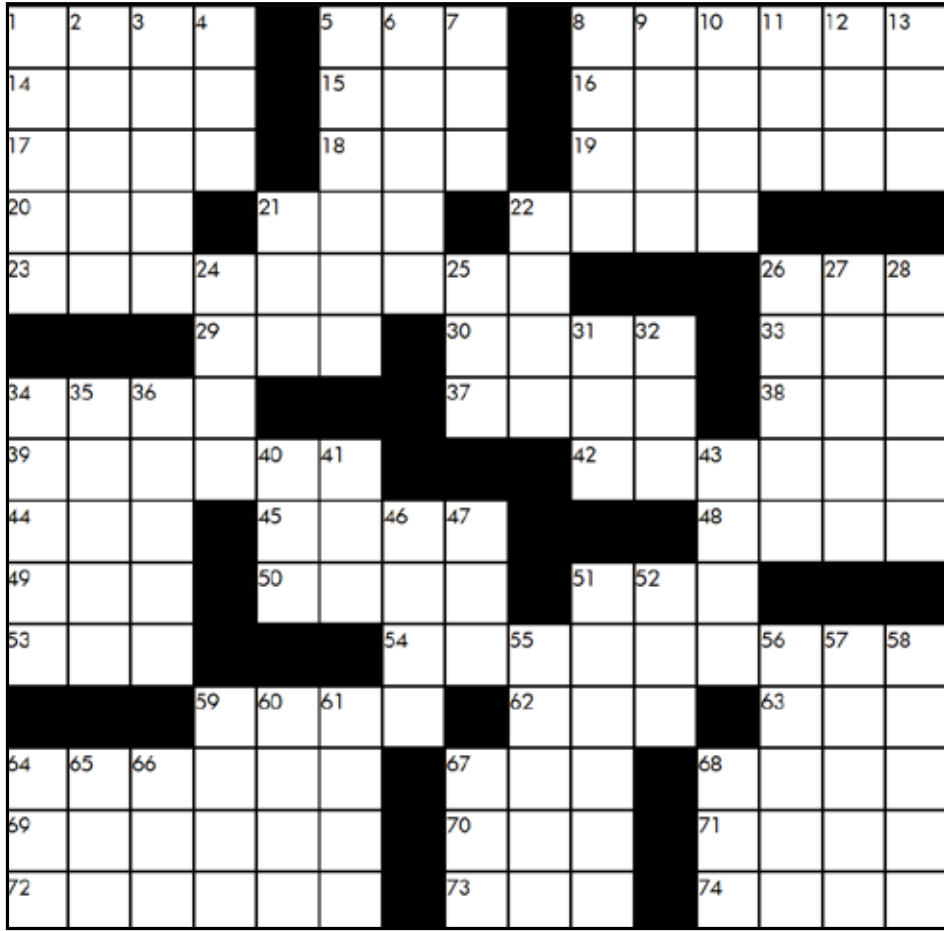
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Upcoming Events Calendar							
<p>Wednesday September 26</p> <p>Coverall Sales 11:30 AM-1:30 PM The Orifice</p> <p>Mentorship Kickoff 5:30 - 8:30 PM E5 Design Bay</p>	<p>Thursday September 27</p> <p>Coverall Sales 11:30 AM-1:30 PM The Orifice</p> <p>Mocktail Making 5:00 - 7:00 PM POETS</p>	<p>Friday September 28</p> <p>Coverall Sales 11:30 AM-1:30 PM The Orifice</p> <p>Cover Letter Workshop 6:00-8:00 PM WEEF Lab</p>	<p>Saturday September 29</p>	<p>Sunday September 30</p> <p>Dungeons & Dragons 12:00 - 3:00 PM The Orifice</p>	<p>Monday October 1</p> <p>Engiqueers 6:00 - 9:00 PM POETS</p>	<p>Tuesday October 2</p> <p>Ru Paul Drag Race Viewing Party 6:00 - 8:00 PM POETS</p>	<p>Check out up-to-the-day event postings on the EngSoc website at engsoc.uwaterloo.ca/event-calendar/</p>
<p>Wednesday October 3</p> <p>Data Workshop 5:00 - 6:30 PM</p> <p>Council Meeting #2 5:30 - 7:30 PM</p>	<p>Thursday October 4</p> <p>Ramen Eating Contest 11:30 AM - 1:30 PM CPH Courtyard</p> <p>B*tch and Stitch 6:00 - 9:00 PM POETS</p>	<p>Friday October 5</p>	<p>Saturday October 6</p>	<p>Sunday October 7</p>	<p>Monday October 8</p> <p>Thanksgiving</p>	<p>Tuesday October 9</p>	

The Iron Crossword

Foods Galore



- 3 Baked good that goes well with 5-across
- 4 Mafia honorific
- 5 Import duty
- 6 Colon cleanser
- 7 They help fund the iron warrior
- 8 Election goal
- 9 Impulse
- 10 Posh kind of school
- 11 Trash in a review
- 12 An abbreviation for the lazy
- 13 A drop of golden sun!
- 21 10L
- 22 Eyelash infection
- 24 A long time
- 25 Pig house
- 26 Not fanfiction
- 27 Home or cell
- 28 Home of the burger family
- 31 ___ de deux
- 32 Before
- 34 Midday meal
- 35 Deteriorate
- 36 Dapper
- 40 Utilize
- 41 Counterpart to SAN (sewer)
- 43 First murderer
- 46 "So mote it be"
- 47 A woman
- 51 Not so inclined
- 52 Set the pace
- 55 Furnish with gear
- 56 Failed bank ___ Mae
- 57 Venerate
- 58 Taste or feel
- 59 Number-pickin game
- 60 Not many
- 61 Not his
- 64 Where one might use 32-across
- 65 Relations
- 66 Completion
- 67 Company formed by merger of Fiat and Chrysler (abbv.)
- 68 White lie

ACROSS

- 11 Shellshock (abbv.)
- 5 A drink with jam and bread!
- 8 A cold version of 69-across
- 14 The nickname James Vegas gives BroShep
- 15 &
- 16 Correction
- 17 Stratford-___-Avon
- 18 Browser add-on for "the front page of the internet" (abbv.)
- 19 The capacity to make choices
- 20 They wear black sometimes
- 21 Not bright
- 22 Partial instruction
- 23 The first meal of the morning
- 26 Some beancounters (abbv.)
- 29 Pixie
- 30 Use a keyboard
- 33 Glycolic acid, for example (abbv.)
- 34 He had a late night show
- 37 You can measure it in truths that she learned or in times that he cried!
- 38 Sine qua ___
- 39 A dirty planet
- 42 42-across 23-across: meal following

DOWN

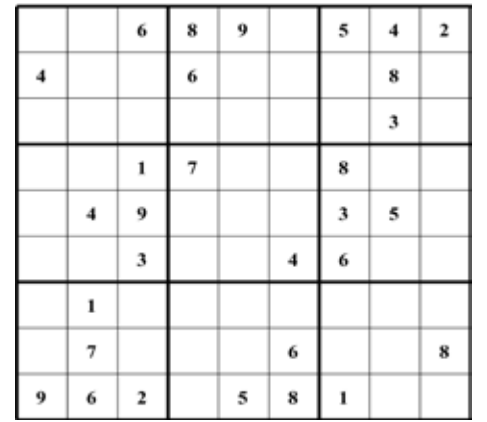
- 23-across.
- 44 Negating word
- 45 Potter's patronus
- 48 Afresh
- 49 Summer time in Iowa
- 50 1815 Jane Austen novel
- 51 Cohen character ___ G
- 53 Fat Albert interjection
- 54 One eats it at eleven o'clock
- 59 Actress Madeline from "Blazing Saddles"
- 62 Proof finale (abbv.)
- 63 Headman's weapon
- 64 Painter of genitalia-shaped flowers
- 67 Pelt
- 68 Custard dessert
- 69 Meal at end of day
- 70 Not trans
- 71 Misfortunes
- 72 Bestows
- 73 Monkey see, monkey do
- 74 b

Sudoku

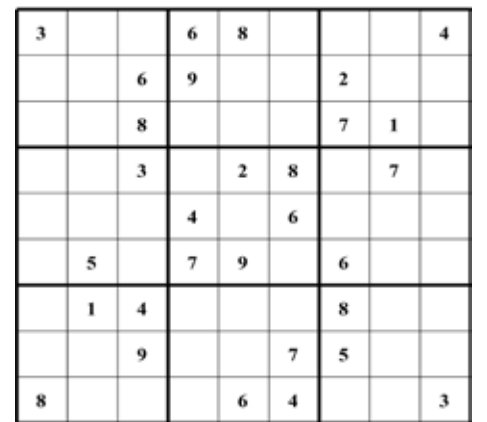
#2018-11

RAFIQ HABIB
EDITOR-IN-CHIEF

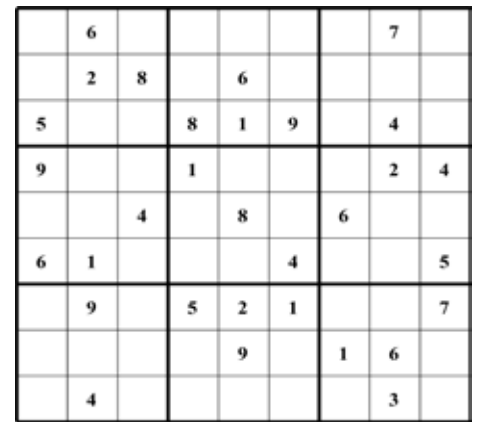
It's Marathon Time



Walk in thePark



More Like a Jog



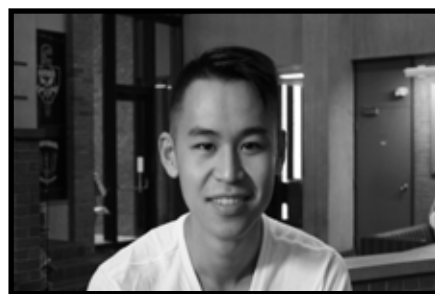
Solutions for previous crosswords can be found on *The Iron Warrior's* website at iwarrior.uwaterloo.ca/distractions.

THE IRON INQUISITION
Gabrielle Klemt - 3A Geological

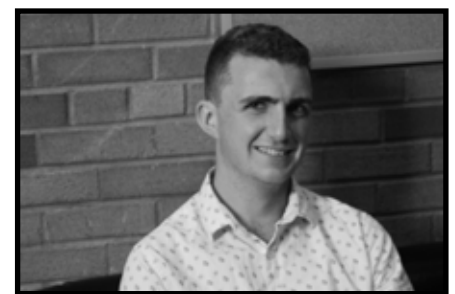
"That One Time in First Year..."



"...when geese were relevant."
Ben, 2B Environment



"...that I challenged the geese[sic]...(endless rambling on geese)."
Wenson 2A Computer



"..burst out laughing after the midterm".
Andrew, 2A Mechanical



"...when I got kicked out of Wilf's during Tal Eng while sober."
Simon, "1B Civil"



"...when I stayed up until 4 am to submit a co-op application before it was due."
Alex, 2A Mechanical



"...that we failed a final but knew we were going to pass because of the bell curve."
jackson, 3A Nanotechnology