



Felix

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Issue no. 1582

Keeping the cat free since 1949

6th October 2014



This week's issue...

felix@imperial.ac.uk

Felix Editor || Philippa Skett

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What's on this week:

Fresher's Ball

Oct 10th, 20:00 - 03:00, Metric Standard drunk fresher debauchery to be expected.

Also the hottie with a body from Game of Thrones is DJing. Finn Jones, if you happen to pick this up, call me babes.

Tickets: £10 in advance, £13 on the door

Fresher's Fair

Oct 7th, All day on campus The only stall you need to know about is in the Media tent in Beit Quad. We have free pens, oyster card holders and copious amounts of sass.

Don't forget to get all social with Felix:

 @felixImperial
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We promise to be 100% more entertaining than your old sixth form mate at Sheffield, honest.

I'm too tired to think of a decent title here

I am writing this editorial like all previous Felix Editors have done: sleep deprived; buzzing on coffee; and one hour to go to deadline. Welcome to this year's first issue of Felix.

We've undergone a rebranding, we are still working on the new website that should be hitting your screens in the next week, and we are looking forward to moving into the new office. It may have a bright cyan wall boasting Union branding to remind us who pays the bills, but we will always remain an independent student voice. Our paper is written by students, then students edit it, lay it out with care and then spend hours late into the evening pouring over every detail and making it a piece we are proud of.

Or at least, that is what we plan to do in theory. This issue was conceived through gin-addled late nights in up in the union offices, manically inverting the colours of a cat and being slightly concerned that early image boards resembled those seen in an advertising brainstorm for a cat food manufacturer than a student newspaper.

I'm looking forward to everyone seeing this issue, and I hope that it represents a foundation that we plan to build on, rather than a final form we will mindlessly replicate week on week. We have many ideas in the pipeline that hopefully will play into the dual purpose Felix as a newspaper emulates: it is not only a news source for the students and staff of Imperial College London, but also a platform



THIS WEEK'S EDITORIAL

for students to develop skillsets that they may carry with them into the future.

Although past editors have gone on to make waves in the media world after they leave the basement, many other students have left with valuable experience in editing, design work, photography, and writing. You also make lifelong friends: there is nothing like an all-nighter arguing over the final details of a comment article to bring people together (I hate sappy editorials, so my apologies).

This week is not only the "Freshers' edition" but also a legitimate first issue to begin the year. We've stopped putting the newspaper into the rooms of halls, so instead of the gimmicky content previous generations may remember, we

instead have a more well-rounded issue for first years and final years alike. Whether you are reading my rambles in the library café in between classes again, or simply staring at the page blankly whilst hungover in your kitchens in halls, this issue should have something for everyone, something hopefully we can say about Felix the club and Felix the paper for the rest of the year.

Feel like getting involved? Fancy making friends? Bored on a Wednesday? Come down to the office and say hi. Everyone featured in this paper did so at one point and another, and every editor from previous years had to start somewhere. Give it a shot. We print nearly everything we are sent at any rate, so do it just to send a clipping home to your mother if nothing else.

PHILIPPA SKETT
FELIX EDITOR



Want to get involved with Felix?

We are always looking for more:

- Writers
- Editors
- Designers
- Photographers
- Copy editors
- Drinking buddies

Drop us an email at felix@imperial.ac.uk to find out more.

Or, if you are feeling brave, come and say hi to us in the Felix Office, based in the west basement of Beit Quad. Or catch us at Freshers' fair next Tuesday, also in Beit Quad.

CURRENT VACANCIES

Section editors are needed for:
News
Comment
Features
Clubs and Societies
Technology
Sport

We are also looking for a photographer for our weekly centrefold. Potential applicants should register their interest for this position by emailing:

centrefolds@ic.ac.uk

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News

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News Editor ||| Aemun Reza

Imperial bounces up and down in worldwide rankings

BEN HOWITT
NEWS WRITER

Imperial has increased its standing in the Times Higher Education (THE) World Rankings 2015, rising from 10th to 9th worldwide, and only second to Oxbridge and US universities. The news comes in the wake of the QS World University Ratings, in which Imperial was ranked second equal with Cambridge, with a total score of 87.5.

The THE Survey operates on 13 performance indicators, grouped into five areas; and research, teaching and citations comprise 90% of the overall ranking.

Surprisingly, given its reputation among undergraduates, Imperial came out strongly in teaching, with a score of 84.5, also scoring highly in research (88.3), international outlook (92.7) and citations (89.4). The scores are measures of probability – so a score of 87.5 in a single category means that the data point of a randomly chosen institution will fall below Imperial's 87.5% of the time.

More worryingly, the majority of UK universities have slipped down the league tables, including Oxford and other London universities.

The majority of UK universities have slipped down the league tables

Both Phil Baty and John O'Leary, respective editors of the THE and QS rankings, blame inadequate UK public funding, and warn that the UK's leading position might slip as universities in Asia and the developing world climb steadily up the rankings. Still, Reading University Vice-Chancellor Sir David Bell seemed not to be worried.

"One cannot read too much into a single year's rankings. Global league tables are highly volatile indicators. The fact that some UK universities have risen and fallen up to almost 40 places year-on-year shows it is much more important to look at longer-term trends over time."

This is borne out by THE Rankings from previous years, in which Imperial has been consistently ranked between 8th and 10th – indeed, Imperial's scores have barely shifted from last year. The drop from 8th appears to correlate with a fall in industry income in 2013-14.

To break down results by department, medics can feel a certain satisfaction in being 4th worldwide for Clinical, Pre-Clinical and Health, with Engineering and Technology coming in at 6th. Life Sciences and Physical Sciences placed at 10th and 12th respectively.

Science Fiction library damaged by flooding

ANNINA SARTOR
NEWS WRITER

Last Friday, a leak in a Beit Hall water pipe caused water damage to the Imperial College Science Fiction and Fantasy library in the Union West Basement. Dripping noises could first be heard from the ceiling in the early afternoon, and over the course of two hours, several ceiling tiles were soaked through and fell onto the floor below as society members, union employees, and innocent bystanders attempted to rescue hundreds of books stored in shelves underneath the affected area. Union employees seemed apologetic and understanding of the need to get the problem fixed. Some book stock was water damaged. There is so far no evidence of more extensive damage to the room beyond the ceiling tiles and the now-soaked carpet (which was due to be replaced this summer), or damage in any other West Basement rooms.

A similar, but smaller, leak had occurred the day before, originating from the same Beit Hall room. This leak was quickly fixed and the damaged ceiling tiles replaced by early Friday morning. Water damage in the library has occurred in the



Traumatic scenes unfolding in the West Basement.
Photo: Sci-Fi society

Innocent bystanders attempted to rescue hundreds of books

past, and while the Union had fixed up the damaged ceiling over the summer as part of the West Basement refurbishments, the leaking problem seems to not yet have been fully resolved. Talks regarding more permanent solutions are in progress. ICSF hopes to regain use of the space in time for Fresher's Fair.

Wanted criminal allegedly drinking in Beit

PHILIPPA SKETT
FELIX EDITOR

Last Sunday, a man allegedly recognised as someone wanted by Devonshire and Cornwall police was reported to have been drinking in Beit Quad. The man, who produced a set of keys for Beit Hall upon requesting a drink at the bar, was spotted by another guest who thought he looked strikingly similar to a known con man, who has been on the run since 2010.

Upon recognising the man, the guest called the police who arrived on the scene, and then proceeded to interview the bar staff. The man had, in the meantime, left the premises. His whereabouts are now unknown [at time of print], although the police

Mr Saha was advised to call 999 should the man return

said the con man that the man is suspected to be was "Not dangerous."

The guest was attending a private event at the time held in the Union Bar, and reportedly identified the con man due to the similarities they had in appearance, including a full sleeve of tattoos of similar patterning.

The con man in question has been known to use several aliases, so it is uncertain from the Beit residential records if he is the man who is wanted by police.

Plabon Saha, who was working at the bar at the time, was interviewed by the police, although it is uncertain who served the man and if he was indeed the criminal wanted by Devonshire and Cornwall police.

Mr Saha was advised to call 999 should the man return. Bar managers were unavailable for comment.

Alice Gast succeeds Rector Keith O'Nions as President of Imperial

PHILIPPA SKETT
FELIX EDITOR

Imperial's first President (and sixteenth head), Professor Alice Gast, was instated on the first of September, following the retirement of Sir Keith O'Nions. Professor Gast will lead the College's strategy to develop Imperial West, alongside strengthening the College's links to the government, industry, philanthropists and alumni.

Professor Gast comes from Lehigh University, USA, where she president. She also was a former Vice President for Research and an Associate Provost at MIT.

Whilst at Lehigh, Professor Gast oversaw a 47% increase in the size of the Lehigh estate, making her a

She also concluded a \$500 million fundraising campaign

perfect candidate to help with the expansion of Imperial College and its satellite campuses. She also concluded a \$500 million fundraising campaign, and raised an additional \$255 million during her time at MIT.

Her appointment marks the completion of restructure to the senior roles that oversee the College. Whereas the Rector's remit was to oversee academic and administrative affairs, and chair the Management Board and Senate, as President, Professor Gast will work alongside Professor James Stirling, the recently appointed Provost, and will focus more on Imperial's external affairs. The Provost reports directly to the President.

Felix's interview with Professor Gast will be printed in next week's issue.

“Profits and prestige”: the Teddington fall out two months on

Philippa Skett interviews those dealing with the medics moving to Heston

On 25th June, it was announced that Imperial College London had purchased a new sports ground in Heston, a site that, according to the College, “represents an excellent opportunity for College sports.”

Due to this new purchase, Sport Imperial also announced that they were then going to halt sport at Teddington, a sports ground frequented by the medic sports teams and steeped in medic tradition and history. The College announced that “whilst no formal decision has been made there are no plans for student sport to take place at Teddington in the future.”

The announcement led to a public outcry from medical students, who assembled in their hundreds to sign an online petition against the closure. Many cited the issue of requiring a longer travel time to the Heston grounds, although most were angry at the closure of a site that had been used for almost a century.

In another statement by Imperial College Union, it was stated that although the Union President of the last academic year, David Goldsmith, was privy to the information concerning the purchase of Heston, he was unable to tell other students due to the “commercial sensitivity” of the topic.

The Student Consultation Framework set by David Goldsmith in the last year was completely ignored during the process. No other Sabbatical Officers were aware of the purchase, or the effect it would have on Teddington, until it was finalised.

In an email that went out to the Medical School earlier in September, Dariush Hassanzadeh-Baboli, the current ICMSU President, detailed how the decision to close Teddington had been made without any student consultation. He went on to say that “big decisions that disrupt the history and traditions of our Medical School, should not be made without the students being thoroughly consulted.”

But why was the purchase of Heston kept so hush-hush? And why were no students consulted on closure of Teddington?

Heston was previously owned by British Airways (BA), which was then known as the British Airways Concorde Club, and was used by their staff for recreational purposes. Union sources have told Felix that the College was keen to avoid upsetting the members of the BA staff, who

“Big decisions that disrupt the history and traditions of our Medical School, should not be made without the students being consulted.”



Teddington will no longer be hosting medic sport Photo: Ian Gillett

have previously gone on strike in the past. Not only that, but the College was not the only interested buyer for the site.

Felix met with the current Deputy President (Clubs and Societies) Abi de Bruin and Dariush earlier this month to discuss what had happened since the announcement.

Dariush stressed how even since the announcement, Sport Imperial have been difficult to get straight answers from, which has led to further friction between the Medics and Sport Imperial. Dariush said, “It’s taken two months to get answers about this. I’ve been asking Neil Moseley [Head of Sport Imperial] questions and not being able to get straight answers... he wouldn’t give me adequate answers, although there were still things he was unsure about.”

Organising meetings with the College over the summer in regards to the move to Heston also proved difficult. Trying to organise a meeting with Simon Harding Roots [Head of Imperial’s Operations group, which oversees operating services on campus] took two months according to Dariush. Said Abi, “[For some people] it became impossible to get replies over the summer.”

Moseley also initially denied the Medics any access to the grounds once the decision had been made to close them. Dariush said that they were told that “there is no way we can have any access to Teddington from September and [they] wouldn’t even compromise with any sort of day, such as a celebration day.”

However, two final days have now been negotiated for use of the site, although Dariush was keen to point out this was potentially facilitated by Debra Humphries, the Pro-Rector (Education), as opposed to representatives from Sport Imperial.

But will Heston even be ready for the start of term? Two rugby pitches have been lost with the closure of Teddington, although there are plans to put a second rugby pitch in Heston as compensation. However, the organisation of this has also caused issues. Said Dariush, “I can see it being an absolute state at the beginning of the season.”

Although the College no longer pays for the upkeep of Teddington, the College still owns the ground and a local school in the area now pays for its upkeep. The current staffing system for both Teddington and Heston sites is also being

restructured, with people having to reapply for new jobs in the new system.

Dariush detailed particular concern for one popular groundskeeper who has been there for 15 years and has a strong relationship with the students. Said Dariush, “we are quite concerned about him, he’s part of the Medical School in principle. We tried to get an answer from [Sport Imperial] but did not receive a straight answer again.” Abi said that overall however, “some jobs will likely be lost.”

So what is the future for Teddington? It seems that the College are adamant that student sport will never return to the site, but it has left more students upset than concerned over the move that has lacked any sort of student consultation whatsoever. Said Abi, “They are continually doing things that have commercial sensitivity and then using [that] as a blanket to not say a word to anybody and not put proper provisions in place.”

Dariush succinctly summed the fears up of the students affected: “we fear that students at Imperial are not being treated as a major priority; profits and prestige appear to come first.”

“I can see it being an absolute state at the beginning of the season.”

Library funding for air con runs cold

Philippa Skett investigates the halt in climate control installation

The Central Library has seen major redevelopments over the summer to introduce new study spaces, facilities and technological aids. A new assistive technology room has been installed on Level 1, 200 new study spaces have been introduced on Level 3, and a whole new facility has been instated on Level 4 for a Centre of Doctorate Training. They also, among other things, plan to introduce an iPad loan scheme in the near future.

Towards the end of the last academic year, it was also announced by Felix that air conditioning may finally be installed. However, Felix has now found that installation of the fabled air conditioning system has now been put on hold.

Planning permission for a cooling unit to be placed on the Sherfield Building roof was granted before the summer period by the Chelsea and Westminster Council. This cooling unit, alongside the installation of cooling beams in the ceilings, would have provided adequate climate control that would have hopefully cooled off the hotter floors of the library, which are known to be almost subtropical in nature during the summer months.

The proposed cooling beams are designed to drop pockets of cool air should the temperature get too high, although their function demands an increase in electronic usage. The installation of these cooling beams would have therefore required a complete overhaul of the electronic infrastructure, something that caused a hike in the price of the installations. This coupled with the necessity to only work intensively around the clock during the summer, so as to minimise disruption to Library users during term time, the installation was budgeted at more than the College were willing to spend.

Installation of the cooling beams was therefore considered a high risk project given its feasibility and price; coupled with the risk of disturbing campus neighbours with the construction work, the College decided to deny the project funding. Allegedly, orders had already been placed on some equipment for the climate control provisions before funding was denied.

The Library initially appealed to the College with refurbishment plans worth around £27m. These proposals covered the climate control plans alongside other redevelopments, and after re-evaluation of the budgets, the Library received between five and six million in total. However, this would not have covered the air conditioning installation, so the plans for the



By the time Felix went to press, all of these students have sadly melted. Photo: Imperial College London

cooling beams have been stalled.

Felix spoke to Chris Banks, the Director of Central Library, about the situation.

“The key thing now is identifying the funding needed. If anyone who knows anybody who would like their name on the front of our library, let us know!”

The crucial thing for students is to make their voice heard. This is a problem and has been a problem students have been talking about this for years.”

The approval process for the expenditure of the redevelopment encompassed many senior members of College staff including previous Rector, Sir Keith O’Nions. One anonymous source said that O’Nions was allegedly reluctant to approve

the budget because he didn’t think students were bothered by the heat: “he apparently had never received any emails from students complaining about the heat, so didn’t think it was a concern.”

So could we still have climate control provisions in place in the future if the College were to change their minds? For now, it looks unlikely. However, after Felix contacted college’s Operations Division who oversee various redevelopment projects on campus, they said that “the timeframe for installation will be linked to other major works planned for the Library as part of the ongoing programme. Library users will be kept informed of plans once the likely start date for the work has been determined.”

“90% of negative comments regarding the Library said it was simply too hot.”

There is no guarantee of funding for next summer, although the demand for a climate control system in the library is high. In the NSS responses this year, 90% of negative comments regarding the Library said it was simply too hot in the summer months, whilst Library’s own Space Survey found that most students identified the heat as an issue.

This is not the first time attempt to introduce air cooling systems into the Library. Previously, planning permission was requested to instate an external cladding across the Library that would have reduced the external heating of the building while leaving the internal climate unchanged. However, permission for this was denied, and it was back to square one for the Central Library.

“If anyone who knows anybody who would like their name on the front of our library, let us know!”

News

news.felix@imperial.ac.uk

News Editor || Aemun Reza

Union media facilities revamp finally completed

MAX HUNTER
ELLEN MATHIENSON
STEPHEN BALL
NEWS WRITERS

On Tuesday after a year of consultation, designing and construction, Imperial College Union finally unveiled their new state-of-the-art Media Centre housed in the West Basement of Beit Quadrangle.

After College announced plans to convert the East Basement into new affordable bedrooms precipitating a need to new storage facilities for club equipment, a joint project between College and the Union was launched to upgrade the aging facilities of the media centre and provide much needed storage.

The old Media Centre was built in 2001 and installed by students, but with the recent industry wide move to digital equipment, the aging analogue equipment was beginning to show its age. In the past, these facilities have helped many students take the first steps in a career in this industry. To ensure that the Union continues to offer students state-of-the-art equipment and applicable techniques to that in commercial facilities, the redevelopment has led to a live television, radio, recording and rehearsal studios, professional-grade darkroom, postproduction facilities, and a new production office for Felix to be built.

While smaller than the Media Centre which it replaces, the new facilities are kitted out to a

much higher specification, with the College spending close to £100,000 on equipment, including: a 32-channel ProTools recording system; 4K-compatible live television broadcast equipment handling up to 12 cameras; an acoustically-treated postproduction studio with a 5.1 reference-grade surround-sound system; and 4K editing suite. With shared offices and studios, the Media Centre is much more flexible, promoting inter-societies activities.

As part of the project the dedicated 24/7 radio broadcast studio has been equipped with a Studer digital system linked into the rest of the broadcast facilities. The Media societies have been given a much-needed computer upgrade, with an all-new set of 27" iMacs and Creative Cloud.

Just a stone's throw away from the Metric and FiveSixEight, this facility can record and broadcast live plays, concerts, and shows from either of these spaces, as well as being able to edit and produce events recorded around campus and further afield. This allows students to put on productions on a scale unrivalled by almost any completely student-run facility in the country.

The Media Centre is not without controversy, though. Philippa Skett, Editor-in-Chief of Felix, has allegedly been involved in a longstanding dispute with a senior member of the Union management team regarding a semicircular desk. When asked for comment, she did not reply directly to the allegations; instead responding with a disgruntled "My office is smaller than it used to be, but at least



The ICRadio studio in the new basement. Photo: Thomas Lim

we have natural light I guess."

The Media Centre is open for any students or members of the Union to use with the individual rooms managed by student societies. The Media groups that make use of the basement are IC Radio - who operate the 24/7 internet radio station; ICTV

- who produce television and short films; Jazz and Rock Society - who manage the rehearsal studio with a drum kit, keyboards, and guitar and bass amplifiers; and PhotoSoc - who loan out photographic equipment and provide darkroom facilities for developing film.

Also located in the West Basement are LeoSoc, who have an arts studio and run regular classes, and the Science Fiction Society who curate the second largest science fiction library in the World (after MIT). Tours of the new basement will be ran during Freshers' fair.

RCSU Mascot Jezebel stars in Downton Abbey

PHILIP KENT
DEPUTY EDITOR

Viewers of Downton Abbey were treated to a fire at the stately home in the first episode of the new series shown on Sunday 21 September. As part of the rescue operation, Jezebel, the Royal College of Science Union's fire engine mascot, made a surprise appearance on screen as the fire brigade start leaving for home!

Last year's RCS Motor Club Captain, Stephen Ball, as well as Motor Club/Imperial College alumnus John James also appeared as extras alongside the fire engine. Jezebel was 'head hunted' by a company specialising in finding

vehicles for films and broadcast, after they had seen her on the annual London to Brighton Run.

Downton Abbey is set in Yorkshire (but filmed in Berkshire), hence the 'London Fire Brigade' gilding on the side of the vehicle would be somewhat out of place. Thanks to the work of experts employed by the filming company, vinyl stickers covering the gilding transformed Jezebel into a fire engine owned by the 'Downton Fire Brigade' for the duration of the filming without damaging the paintwork underneath.

The five minutes of film took two evenings to record on set at Highclere Castle, although the fire scenes themselves were recorded in a studio to avoid damage to the Grade I listed

property.

Stephen described some of his experiences from being in the programme to Felix. "I had tea made for me by Kevin Doyle (Mr Molesley), and chatted with Thomas and James (Rob James-Collier and Ed Speleers) in the house's library during one of breaks."

He continued, "the two boys who play George Crawley loved sitting in Jezebel's cab." Asked whether he could foresee a future in being an extra, he replied "the food was good, but I don't think I could be an extra full time."

This isn't Jezebel's first television appearance. In 1982, Jez appeared on the BBC's Blue Peter before travelling off to Germany for a carnival. In 1966, The Jokers, a film



by Michael Winner, also starred the famous vehicle. A video of the film appearance is available on YouTube.

Stephen also noted that RCS Motor Club would "love to get her back on the screen," and that "there has already been discussion [...] about getting Clementine [the RSM's truck mascot] into a series sometime soon."

The entire first episode of the new series of Downton Abbey can be watched on ITV Player online until around the end of October. RCS Motor Club will be giving rides at Freshers' Fair and doing tours of London in the first weeks of term should anyone wish to meet the famous star.



Rag

What is RAG?

RAG is the fundraising arm of the student union, in charge of all fundraising activity at Imperial College. We hold lots of events throughout the year, which everyone is welcome to. Come and say hello at freshers' fair.

Events

Launch Event (Free Pizza) 7th Oct.

Club Night /ICAprty 21st Oct.

Jailbreak 1-2st Nov.

Bike Auction 20th Nov.

Poppy Appeal 6th Nov.

Christmas Ball 15th Dec.

RAG Week 9-15th Feb.

Bungee Jump 9th Feb.

Valentine's Ball 12th Feb.



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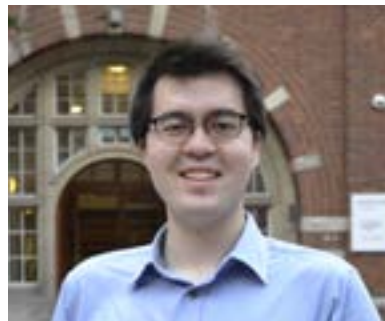
Scan QR Code and sign up to our mailing list for a chance to win free tickets to our events!

Comment

comment.felix@imperial.ac.uk

Comment Editor || Tessa Davey

Why our league table success masks the real problem



THOMAS LIM
COMMENT WRITER

Imperial's surprise jump to joint second in the QS World Rankings was a welcome prelude to the academic year. Students and staff alike were energised by the international accolade - Facebook feeds were full of links to stories about how London had the most top universities of any city, and Imperial was the crown jewel. I was made the poster student of Imperial; interviewed by The Independent and BBC London News as a 'case study' of a student at Imperial. A fun and good experience for me, but I couldn't help but get the feeling that the media, and College were caught up in the hype.

The QS ranking takes in to account various factors, most of which are based around research and academia- 40% of the weighting is based on academics' rankings of other universities. Another 20% comes based on the number of citations our academics receive (no doubt helped by Prof Sir John Pendry's work, as The Guardian reported). QS awards 20% of its weightings to the academic student ratio, on the basis that it is a 'commitment to teaching'. This is flawed- surely different universities will demand different amounts of teaching from their staff (for one, we all know Imperial's academics won't be promoted if they aren't acing their research, regardless of their teaching). QS can't take in to account student

satisfaction, because there is no global metric or survey which has been created. So whilst QS' coverage of metrics on academic work is sound, the same cannot be said for gauging student satisfaction. The THE Student Experience league table ranked Imperial 43rd. It cannot just be because we work hard here- Oxford and Cambridge placed fifth and sixth, respectively.

Fundamentally, an improved student experience has not caused our rankings to improve. Imperial has hired some cracking academics who have pulled up our reputation, as well citations. If I wanted to keep Imperial top of the league tables, I would continue to push its academic boundaries and recruit more overseas research focused staff (another measure QS takes in to account). But these measures are not in the best interests of its student population. Whilst student satisfaction has increased over the last few years, we cannot lose sight of the end goal- there is a long way to go before Imperial sits with where it rightly should.

Imperial celebrated raising over £50m last year in donations. Compared to Oxbridge who have celebrated raising over one billion pounds in recent years, we do seem to be trailing behind. Ask most students on campus what they think



Please can we make this be a thing? Photo: The Independent/Felix

of Imperial, and you will receive an apathetic response. They are here now, want to graduate and get a job. They perceive it as a transaction relationship. Currently Imperial has not built an experience which makes alumni amenable to donations. An improvement to the student

experience and teaching will be key to fostering better relations with future alumni.

The QS results are undoubtedly a source of pride for Imperial, but the real pride for students should come when we top Student Experience league tables.

"I couldn't help but get the feeling that... College were caught up in the hype."

A triumph for the Union... but the real work starts now



KUNAL WAGLE
COMMENT WRITER

On the 18th September (for those of you who couldn't spend enough time away from the beach to take a look at the news) Scotland voted to remain part of the United Kingdom.

For a lot of people this meant that the debate was over- the margin was large (about 400,000 votes), both sides have accepted the verdict, and one of the major advocates of independence (First Minister Alex Salmond) has resigned. Surely that means this is the last we'll hear of this after three long years of arguing over "the issues".

The short answer? No. What we've seen over the last few years is merely a warm up to the main event. Over the coming year we could, in fact, be seeing one of the most dramatic changes to the British political landscape in our lives. David Cameron doesn't seem to be going back on his promise for extra powers to Scotland, but he's now introduced something else to the equation- The possibility of an English Parliament. Since then, Number 10 has stressed

that one is not conditional on the other, but Cameron has already provided a major insight into the way he is thinking on this issue. And the referendum has only served to augment concerns about a certain anomaly in the way that Parliament works. Due to the devolved Scottish parliament English MPs can't vote on Scottish matters, such as education and health. This makes sense - why should an MP from the south of Cornwall be allowed to vote on the education of a teenager from the Shetland Islands?

However, the sense ends when we consider what happens with the equivalent English issues. Today 59 MPs from Scotland can vote on issues, such as education and health, which only affect England. A good example would be the tuition fees hike, which did not affect Scottish students studying in Scotland. And yet MPs from Scotland were allowed to decide how much tuition fees would cost for an English student in England? It doesn't sound right.

So, from that point of view, an English Parliament to mirror those of Scotland, Wales, and Northern Ireland is a logical next step. One would presume (the details are still to be discussed) that any extra powers that go to Scotland, in the interests of fairness to all, will also go to devolved Parliaments in England, Wales, and Northern Ireland. Of course, with everything up in the air, that remains to be seen, but Cameron, Nick Clegg and Ed Miliband will have a lot to answer for from the people of these three nations if they suddenly see more powers go solely to Scotland.

The theory is that this won't be much of an "issue" when it comes to the general election. This is because it would appear that there is an agreement that the Scotland Bill to be announced next year will be decided and agreed upon before the election - and by all three parties.

But that adds an extra complication - time. There is now a clear deadline for the new Scotland Bill - the timetable

that is set to be laid out says that there should be draft legislation ready for the Scotland Bill during November.

It's a dilemma for David Cameron. Ed Miliband, seemed to suggest at the first day of the party conference that he doesn't think there is much need to make the changes to the English side of Parliament. Cameron has two options now. He could push for an English Parliament now and push it through in this bill itself. Or he could take the view that he will not be making much ground in Scotland anyway next year, and use the idea of an English Parliament as a policy in the election.

If he goes for the Parliament before the election, it would take a lot of work, and we'd be seeing Downing Street move incredibly fast to make it happen.

This is going to be an exciting year for the onlookers. But don't be fooled by the result. The debate on what happens with Scotland has just begun.

Comment

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Comment Editor || Tessa Davey

You're probably a libertarian... you just don't know it



NAS ANDRIOPOULOS
COMMENT WRITER

With placards aloft, a dog-eared Orwell in their back pockets, and indignant slogans on their lips, the hemp-clad students of the latter half of the 20th century have forged an iconic image of youth protest. But the NUS nostalgia squad aside, does this still hold true today?

Young Britons today are less likely to join a political party or Trade Union, less religious than ever before, less likely to hold high opinion of British Defence (BSA) and are less supportive of the welfare state (see chart). They are more liberal on views of gender, sexuality, and race, and also value sustainability more than ever. Young people today are environmentally conscious, concerned about the deficit and accept capitalism as the norm, having grown up in a post-Soviet, post-Thatcher world. Above all they are less collective and value their own rights. So, whether they know it or not, many young Britons are indeed Libertarians.

Of course, the term Libertarian conjures up images of Sarah Palin and Rick Perry in cowboy hats, hunting deer with automatic rifles atop a pipeline in Tar Sands. However, the Tea Party image has hijacked the Term, which simply implies social tolerance, enterprising capitalist spirit, and an emphasis on the individual.

Let's be clear, we are not comparing our views to our parents and grandparents as they are now. (I'm sure many of you have elderly relatives who are far from politically correct and may say the occasional comment to your foreign girlfriend that makes you choke on your roast potatoes at Sunday lunch.)

"If you're not a liberal at twenty you have no heart, if you're not a conservative at forty, you have no brain."

These words of Winston Churchill seem to encapsulate a long-held truth

that we all move to the right as we age. Whilst the current standards of liberal and conservative have departed from those that Churchill referred to, the basic idea that each generation undergoes a political evolution through life holds. By comparing the attitudes of generations during their respective young lives, a remarkable shift in the values of our generation is evident.

The year 2008 was the first time since records began in which more young people favoured a tax cut over increased welfare spending (Ipsos Mori). Furthermore, less than a third of 'Generation Y' would class the creation of the welfare state amongst the country's greatest achievements, whereas in our grandparents' generation, 71% did.

Our social attitudes are changing even more drastically (for the better, if I may add) with just under 10% of today's youth agreeing with the statement "homosexuality is wrong"; compared to 53% of post-war 18-25 year olds.

The picture is clear- fewer responsibilities for the state and more rights for the individual.

In turn, this may even explain why young people are more apathetic towards politics. For example, a student today who is, say, unsure about the power of Brussels, sceptical of high government spending, supportive of the legalisation of drugs and is frustrated by the inaction on environmental issues is unrepresented by any major UK party.

This student could not vote Conservative on social grounds, nor Labour or Green on economic grounds. And no right-minded student would vote for Judas Clegg's Lib Dems or the regressive UKIPs.

Some people, like Russell Brand, put this political apathy down to the rise of the reformist left exemplified by the Occupy Movement. This may be true in part, but whilst the 2000



Other famous libertarians include Ron Swanson.

Photo: Wikia

protesters may have left a mark on our minds with their prime location, anonymous masks and catchy slogans, barring some impending revolution one cannot seriously suggest that this movement has claimed the future of our political generation.

But one man seems to have taken advantage of the rotation of the youth towards the libertarian. Boris Johnson is unquestionably in the 1% . In fact, he is probably in the 0.001% , but by positioning himself in the socially progressive wing of the conservative party, whilst remaining strongly pro-enterprise and committed to social mobility and meritocracy, he appeals to young voters.

David Cameron calls Boris his "star player" and perhaps his recently scheduled return to Westminster is a sign that the mainstream parties have finally heeded the "slide to the (economic) right" and "step to the (social) left" in the "cha-cha slide" of Britain's Generation Y.

"This may even explain why young people are more apathetic towards politics."

"Whether they know it or not, many young Britons are indeed Libertarians."

"If you're not a Tory at forty, you have no brain."

Why having an opinion in Felix is important



GEORGE BUTCHER
COMMENT WRITER

This is the Comment Section. As the name suggests, it has many comments, opinions, lies, rants and tangents provided by your fellow Imperial students. You may find a serious discussion piece on the Scottish referendum, or you may find one of my rants about the queuing system for the Queen's Tower Rooms' canteen. Either way, as the premier forum to get your comment hosted online, printed 4000 times, and quite literally scattered around campus, the comment section is the third best

bit of Felix (after Hangman and the crossword). But it is the most important section. Felix is not controlled by the Union or the College. The Rector cannot tell us what to print and nor can Tom "His Presidentness" Wheeler. It is independent, and allows the students to voice views that either wouldn't be noticed or would be ignored. We're fortunate enough to be such a diverse university that the breadth of views is perfect for kick-starting a good debate. Anyone is free to submit an article, and the vast majority

get published. What's written here doesn't represent the opinion of the Editor, the Union or the College, purely the author. There aren't many places that write its readers such a blank cheque, but Felix does, and it does so with pride. All too often writing gets associated with the humanities, and yawn, who wants to be associated with them? No! It is so much more than an essay on the inane, or a dissertation on the boring. Nor is this about 140 character tweets, or click-bait on

BuzzFeed. We like to think students and staff read this for quality, not just to see what "the most amazing thing that happened to me today" is. Writing and reading in Felix Comment is about ideas, discussion, rants, comedy, and sheer bloodymindedness. Imperial! We want your views, we demand to share your mind's thoughts, and to gift to us what perspectives and experiences you can. So open your laptop, start a new document, and teach us all what to think.

Comment

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Comment Editor || Tessa Davey

Should we ban alcohol in the UK?

Anita Chandran looks at whether the glass is half full or half empty

YES

Government bans are tricky because it is hard to know and understand why the government sacrifices the ability of individuals to choose what vices they live with.

It is plain that the state bans substances which cause substantial harm to individuals within it. In the case of alcohol, not only is the drinker harmed, but substantial harms to all others involved occur. Street violence, domestic abuse and child abuse are common, unmanageable by-products of the drug.

Alcohol and its mind altering effects have comparable harms to more sinister substances that the government bans already. The ethereal state, our governing body, has obvious obligations to its voter base, and to the principles of democracy. Yes, state obligations, what a nice thought.

That said, arguably the most important role of the state is to protect its citizens. Legislation exists to ban drugs which have comparable effects to alcohol. Why? Because the government recognises the harms that come with their legalisation. This is particularly important when considering how deeply ingrained alcohol is within British culture. Public awareness campaigns are failing. Higher taxation is simply forcing the market to retarget its efforts. Alcohol is as it always has been: a romanticised pleasure. Clearly, something more drastic must be done.

The widespread cultural importance of alcohol makes this ban a controversial one. However, it is also one that legitimises the harms of alcohol. One of the primary dangers of alcohol is that people do not view it as a particularly

"Alcohol is as it always has been: a romanticised pleasure."

harmful substance. This is even more problematic because people tend to drink alcohol passively. What do we mean 'passively'? Well, having half a bottle of wine with dinner, or a couple of cans of lager watching the telly every night and not realising the risks. It's having a 'little tittle' that sometimes goes too far. People become dependent on their drinks without even realising it.

Because people are unaware of the long term effects of alcohol, the number of people suffering from liver disease has risen sharply. The NHS reported recently that, in the last decade, hospitalisation due to liver illness has risen by 25%. The government is taking a non-serious stance to alcohol. When damning health reports are arising, this stance implies that alcohol is an acceptable drug.

By banning the sale and distribution of alcohol, the state says to its constituents that alcohol is a serious risk to their health. But what does this actually mean? People feel, en masse, that breaking the law is something negative. For the most part, breaking the law makes people feel unsafe. When this is the case, people are far less likely to take steps to obtain alcohol illegally.

Furthermore, when alcohol is so taboo, it hits hardest the youngest generations of upcoming drinkers. When the drug is difficult to acquire, and illegal to obtain, people become less likely to obtain it.

Considering that the group in society with the largest likelihood of alcoholism, the largest chance of suffering chronic liver disease, is the 16-25 age category, it seems like targeting their perception of alcohol is crucial.

NO

While it's probably correct to say that the state exists to protect its constituents, it is foolish to ignore the frankly appalling consequences of a total ban on alcohol. There are obvious reasons why there is such a big difference between the treatment of alcohol and other banned substances.

Alcohol is a drug that is easily brewed. It is easy to procure alcohol, but difficult to procure alcohol of good quality. Finally, when alcohol was banned in the Manhattan prohibition, ten thousand people fell victim to severe alcohol poisoning by drinking impure alcohol.

When alcohol is banned, people look to cheaper, more secretive ways of brewing and distributing alcohol for the consumer market. This has a number of effects.

The first is that the alcohol produced tends to be of far lower grade, produced from cheaper and more innocuous materials such as types of wood. This alcohol tends to be the sort that causes the sort of bodily harm mentioned previously. You're scientists and hence can probably discern that drinking methanol produced from wood or distilled from solvents is not the best idea for your liver.

Secondly, even when it isn't of a low grade, it's not possible to mass produce and distribute good quality liquor by yourself. The nature of production and distribution has to become secretive. To secretly distribute alcohol in quantity requires a very concerted and organised effort. This tends to manifest itself in organised crime structures. Needless to say, groups of organised criminal hierarchies are harmful both to the people involved

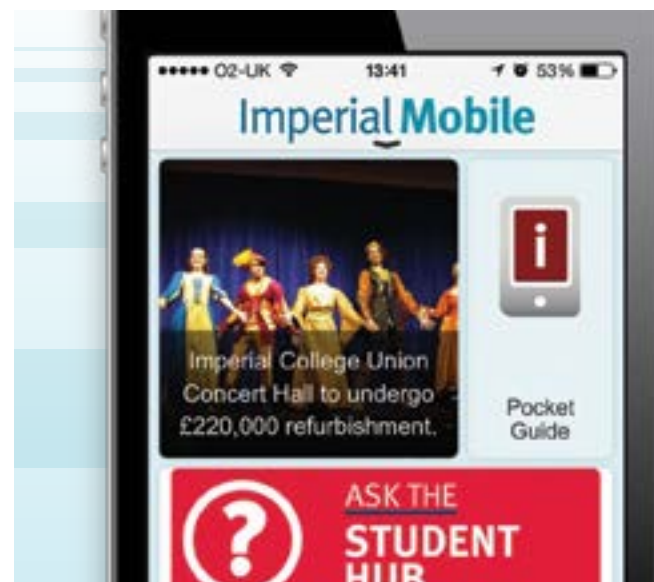
in them, and to the neighbourhoods in which they reside.

Thirdly, it pushes the culture of drinking itself underground. To say 'banning alcohol means that people won't drink it' is a simplistic view of both people, and the role of alcohol within our society. Many people use alcohol as a tool for social interaction and it features prominently in their lives. Moreover, people are already aware that alcohol is bad for them. Really though, people appreciate autonomy over their own bodies: they want to be responsible for their own lives.

When people feel infantilised, they resent the state for babying them. In this case, people are likely to continue wanting to drink. While this means that some people get lower grade alcohol from shadier sources, a ban would have a particularly profound effect on the people that are most desperately in need of state help and care: those severely dependent on alcohol.

It is obvious that there is still a market for alcohol under the ban. If people continue to drink, the harms associated with alcoholism still exist. There is one crucial effect here, and that is that people are unwilling to seek help for alcohol addiction; they are unwilling to engage with hospitals and support staff when they suffer from alcohol related problems. This is obviously bad. Why? Because all of the alcohol related problems which exist within our society already are made worse when people cannot seek out help. When people do not feel that the state can provide the sanctuary that they need, they do not feel protected. Rather, they feel victimised and helpless: a truly awful consequence.

"When people feel infantilised, they resent the state for babying them."



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Features

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Features Editor || VACANT

“I came from a generation that listened to *The Smiths* and thought that misery and intellect were synonymous.”

Ben Fernando

interviews **Tom Welton**, the new Dean of Natural Sciences from January 2015.

BF: Why don't you tell me a little bit about yourself, and why you want to be the next Dean?

TW: I grew up in North London on a council estate, and today turning up at the place that when I was young was the place to be to study science still shocks me. I do my research and my teaching, but how can I make someone else feel like that when they're here? I want to make other people want to come here.

I went to Sussex, having missed my offer to Bristol. This was pretty lucky, as Harry Kroto [discoverer of Buckminsterfullerene] was my Physical Chemistry tutor. I remember the first time that he came in and told me: “It's a football”. Looking back now, that was a real ‘blow your mind moment’.

I'm an inorganic chemist by training. I've been at Imperial for quite a while now. When I started there hadn't been a job for an inorganic chemist advertised in the country in years, then all of a sudden all the top departments advertised within a couple of weeks of each other. The first one that I went to interview at was Durham, and before the interview one of the other candidates asked me where I would go if I could to do any of the top four Chemistry departments in the UK. Rather cheekily, I said Imperial! I guess that's why I want to be Dean, because I cared even before I started here.

"I also want to remind people that a career in science isn't a golden conveyor belt."



Tom Welton chilling in the lab Photo: Creative Commons

BF: So what are your big ideas for the faculty?

TW: Well to start, let me just say that we're not broken - what we'd be doing is guiding the lily, working upon something that's already highly successful. We want to promote openness and inclusion.

I also want to remind people that a career in science isn't a golden conveyor belt - I didn't go to my first choice university, and I didn't get a first class degree, or make the initial probation. Fundamentally I think that people need to be reminded that those of us doing science aren't the brightest and the top of our class with a completely omnipotent personality, we're human too. We struggle when we need to and find it easy when we need to. Sometimes I think that as an institution that doesn't come across.

I'd also like to change the culture to be a little more welcoming. If I see someone in welcome week trying to find a building named after a dead

person, I always try to give them a hand. That doesn't always happen, but we should try and maybe be a little less competitive. Hopefully Imperial will be a little more welcoming, a little bit better tomorrow than it was yesterday.

BF: So that quite clearly links to student involvement, what would you change that students would want to see improved, for example mental health support?

TW: Well this is a difficult one. I think that the college's crisis management support services are fantastic, but the problems come before that stage. We need a mutually supportive environment, where the little things matter. You're never too busy to be nice to someone!

It's weird really. I'm always happy, but I came from a generation that listened to the Smiths and thought that misery and intellect were synonymous, whilst negative

emotions were the only profound ones. I think that we need to make sure that we challenge these ideas, some of which still persist today. A lot of the time the assumption is that because I'm happy I must be thick - it just doesn't work like that!

BF: So if you ever got a student knocking on your door as Dean, you wouldn't turn them away?

TW: God no! I never mind being stopped by students.

BF: Hmm. So, what do you think of Imperial West and Acton?

TW: What a fantastic opportunity! When it stops being a concept and starts being a thing, it'll be brilliant. With regard to Acton, I understand why students are a little weary. What happens there depends on lots of things, and whilst it might feel now like a bit of a bum deal, buildings last a long time! They grow, and maybe in the future they'll seem better.

"With regard to Acton, I understand why students are a little weary."

Features

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Features Editor | VACANT

Chris Kaye, Deputy President (Welfare), Eastside enthusiast and proud owner of a giant portrait of the Queen talks to *Felix* about his plans for next year, his day to day activity and whether or not he really thinks his role should be abolished...

B: Where are you from, and how has it affected your outlook on Imperial?

C: I'm from Bristol. I suppose Bristol isn't that diverse, so coming to London, specifically Imperial, has been a very enjoyable experience for me, meeting lots of different people from lots of different countries. It's been great.

B: What do you plan to do after your sabbatical year?

C: That's a very good question. Honestly, I don't know. I've give it quite a lot of thought to, but I didn't have time to do a lot of job applications in the final year of my degree last year, and then when I ran for elections and won, I was quite relieved.

Even if I did have a job lined up, I would have taken the sabb year instead, because I've always wanted to contribute to the union and I'm happy to have this job for a year. I'm not sure about afterwards, I'm thinking maybe patent law or just teaching.

B: Did you always plan to run for a sabbatical position?

C: Erm. Yes, I think so. I've always been rather cynical about the Union. And I thought 'why not put my money where my mouth is?'

B: Why Welfare?

C: Support for students is something I've always cared very deeply about. I think it's an area the College is not doing enough in, it's something I ought to improve. A lot of people have a tough time at Imperial and I don't think the support is there.

B: Have you been personally affected?

C: It's not something I want to go into. But, yes, I've had issues while I've been here. And I know others who have too, and it's not just people who are here and struggling, some people have left and didn't finish their degrees after they couldn't cope because the support wasn't there. I think it's very sad.

B: So why did you say you think the role of DP Education and Welfare could be combined?

C: I've always thought the Union has been rather bloated. Because Imperial is primarily an academic institution, I've always found it hard to arbitrarily separate the roles of education and student welfare. But, to 'abolish the role' was never a part of my manifesto! It's something I suspect I may change my views on as the year progresses. At this moment in time, I'm still cynical about the need for five full-time officer trustees as well as Felix editor and Medic President.

B: Do you interact with Pascal, Deputy President (Education) a lot? Do you still not feel like there are two separate jobs which need full-time employees?

C: I'm still not convinced. But term hasn't properly started yet, so maybe when 3000 new people arrive, my views may change?

B: Does that mean that you haven't been busy?

C: I've had times where I've been busy and some days where I've not been. Some days at the start of August, I've had nothing to do but



Bernadett Tildy interviews Chris Kaye, Welfare extraordinaire

twiddle my thumbs. Work has started to pick up now, which I'm quite relieved about.

B: Is this the reason why you've decided to give away a third of your wage?

C: Well, no. My justification for doing that is because I think the role is overpaid. I think there are people who will quite happily do the role for significantly less than the current salary. Especially if you take into consideration that we get free accommodation. Even with me giving a third of my salary away, it's more than sufficient to live in London.

B: How do you think the other sabbas feel about you giving up a third of your salary?

C: I think they're probably surprised I'm doing what I said I would do.

"Some days at the start of August, I've had nothing to do but twiddle my thumbs."

B: Is your donation to Imperial because you feel passionate about supporting Imperial in general? For example, would you donate a significant amount of your future salary to Imperial after you leave?

C: That's a good question. It depends on how Imperial develops. I'm currently here for a year and I can actually see where the money goes, so it makes me keener to donate. I originally said I would donate to the Scholarship fund, but I decided to donate to the Hardship fund, because not everyone who gets a scholarship needs the money.

B: You've said you haven't had much work to do so far, but can you give a day to day account?

C: Each day is different. I've done some subwarden interviews in the evenings, but that's ended now. This week I was looking through NSS

Features

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Features Editor | VACANT

Everyone loves a bit of D... PW

"Eastside bar has proper beer, unlike the Union."

freeform comment data, because the Union is doing a response to the NSS results. I've also been doing work on the response to the closure of the 'post study work visa for international students'.

B: Can you comment on the closure of the Evelyn Gardens halls? What would you do if anything like that happened again?

C: My personal view is that College should make Evelyn Gardens halls available for students after the redevelopment, even if the rent is higher, because it is still a better situation than having to live in Acton - where students are still paying a high rent and have to pay travel costs.

B: Why do you not think the Union was not listened to when the decision was being made about Acton halls?

"I decided to donate to the Hardship fund, because not everyone who gets a scholarship needs the money."

C: There was a confidentiality agreement. College had already made a decision and signed the contract before the 'Against Acton' campaign. The campaign was too little, too late. This is sad, but I honestly don't think the Union could have done anything to have changed their mind.

B: Is there anything you want to change this year which involves College participation?

C: I think the counselling service needs drastic improvement. The wait is too long and it's understaffed. I think it needs more funding. I'm working with College on the Wellbeing task group, but I think it won't affect the students right here, who need help now.

B: Do you think the average student would be able to properly judge how you have performed at

"Avoid at all costs Ministry of Sound... they treat you like a terrorist when you walk in because of the metal detectors."

your job?

C: I've always been very wary of saying that voters aren't informed enough to make decisions. I've always felt strongly that people are very intelligent and are capable of making informed decisions. At the end of the year, I could make a case of how I did, and I think students should be able to make a decision on that. I trust voters.

B: Okay, let's have some fun questions. What is your biggest online timewaster?

C: I don't actually use those. I use Wikipedia, but I'm not a big editor of it... I read a lot of blogs and the news online. I generally try and do that during my lunch break than when I'm supposed to be working. I read various political blogs and politicalbetting.com, not that I'm not a big gambler, I just find it interesting.

B: With the current sabbas, if you were trapped on a desert island with them, who would you collectively decide to eat first?

C: Tom Wheeler would probably be the last survivor because he does a lot of outdoor stuff. I would probably be the first to go, but I don't have very much meat, so I might not be a tactical first meal. That's a very interesting question which I can't answer in a diplomatic way.

B: If you had to have tinder, what bio would you have?

C: 'If I had to have tinder?!' That's a very hypothetical question! In my bio I would say that I was a Chemistry graduate, that I'm being paid in a job, and that I am 6 foot tall, even though I am only 5 foot 11.5. So yeah: 6 foot tall, salary, graduate.

B: Hmm, very informative.

And positive! Which Imperial establishment would you go for your first date in?

C: Not the Union! Because the risk of me running into someone I know would be too high and too awkward and embarrassing. Probably Eastside bar, because it almost looks like it's not on a university campus at all.

B: If you were allowed to name a Union drinking place, like h-bar or Metric, what would you name it?

C: I'd probably name it the Holland Club. I'd make sure it had some personality and charm. Unlike h-bar.

B: Can you recommend any bars or nightclubs for the Freshers? Or any to avoid?

C: Avoid at all costs Ministry of Sound. It's a nightmare to get to, it's a bigger nightmare to get back from, it's overrated and they treat you like a terrorist when you walk in because of the metal detectors.

I'm not really a big clubber, I prefer bars where music is quiet enough to have a conversation.

Eastside bar has proper beer, unlike the Union... no don't say that!

What you missed this summer in science

James Bezer covers the latest research from Imperial and beyond

As you put in your personal statement, ever since you were born, you've had a deep and passionate curiosity about the intriguing wonders of science. Why not put this to good use by writing for *Felix*?

If you're desperate to tell the world about your views on fracking, or a fascinating new discovery in algebraic topology, drop us an email and we'll add you to our mailing list. We're always looking for new contributors, and as you're currently reading this, you've definitely shown more than enough enthusiasm to make you eligible to write for us.

Here are a few pieces of new research to entertain you in the brief lull between joining tea society *[surely you mean Felix membership? -ed]* and engaging in some responsible binge drinking with your new best friends.

A group at Cornell have once again confirmed our suspicions that quantum mechanics is really weird. In their paper, published in *Nature*, they showed how it's possible to make an image of an object using light that had never been anywhere near it.

They created pairs of entangled photons by passing a laser beam through a crystal, and sent one towards the object (a picture of a cat, in an homage to Erwin Schrödinger) and the other towards a detector. Because the properties of two entangled particles are intricately related, they could see what had happened to one by analysing the other.

As the two sets of photons can have different wavelengths, this technique could be used to create images of delicate objects that would be damaged by conventional imaging

techniques. Undetectable photons of very low energy could be passed through the object, while high energy ones hit the detector and actually generate the image.

Experiments on mice conducted at Imperial have shown that inhaling Xenon gas could limit the extent of brain damage after a serious head injury.

In the hours after a major impact, neurological damage continues to progress, with these secondary effects often causing more harm than the initial event. Unfortunately, there are currently no drugs available to prevent this.

Injured mice treated with Xenon, a noble gas which also has anaesthetic properties, demonstrated fewer long term difficulties with movement and balance than those in the control group. The research builds on previous experiments that showed Xenon had beneficial effects on injured brain cells in the lab.

The group's findings, published in the journal *Critical Care Research*, may lead the way to future clinical trials in human patients.

The 24th First Annual Ig Nobel prize ceremony was held in September to showcase research that "first makes you laugh, then makes you think". Among the winners of the prestigious award (accompanied by 10 trillion Zimbabwean dollars in prize money) was a group of Czech scientists, who discovered that dogs prefer to align their bodies with the earth's magnetic field, but only when they urinate and defecate. This is the first time that magnetic sensitivity has been confirmed in dogs.

Other recipients include a group



This guy's balance is no match for his musical skills Photo: Tumblr

from the USA and India, who demonstrated that packing the nose with cured pork is an effective treatment for severe nosebleeds, and a team from Italy, who showed that looking at beautiful paintings can reduce a person's experience of pain.

The nutrition prize went to a

group of Spanish researchers for their delightfully titled paper: "Characterization of Lactic Acid Bacteria Isolated from Infant Faeces as Potential Probiotic Starter Cultures for Fermented Sausages."

It seems that between the sensationalist science this summer

that you may have been fortunate to miss, there were some of these abstract but exciting endeavours. We cover all science stories from silly to serious, and if you want to give science writing a go, do get in touch with us!

Learning in lectures whilst sleeping – a dream come true?

UTSAV RADIA
SCIENCE WRITER

Scientists at the University of Cambridge and the Ecole Normale Supérieure Paris working on a joint research project have discovered a new phenomenon of the human brain: the ability to perform automated tasks even whilst the subject is unconscious.

The study, led by Dr Sid Kouider and published in *Current Biology*, showed that subjects were able to classify words during sleep, suggesting the human brain may

be more active than we previously thought during sleep. Scientists recorded the electroencephalogram (EEG) – a procedure that tracks and records the electrical activity of the brain as wave patterns – of the participants whilst awake and asked them to classify spoken words (e.g. Dog, Stamp) as either animals or objects by means of pressing a button (right hand for animals and left hand for objects). The procedure made it possible for the research team to compute lateralized response preparations (LRPs), which are a neural marker of response and preparation, by mapping each

category of words to a specific part of activity in the brain.

The participants were placed in an environment that would allow them to fall asleep (a dark room, in a reclining chair with their eyes closed) but at the same time ensured that they were engaged with the task (listening to repetitions of the same set of words with an interval of 6-9 seconds between words). However, the set of words was changed during sleep to ensure whether the responses were based on the meaning of the word itself as opposed to reactivation of a stimulus-response association that may have been established when the

participants were awake.

On comparison, the EEG patterns computed whilst participants were completely motionless and unaware showed considerable similarity to when participants were awake. This highlighted that the same regions of the brain were active (albeit more slowly) when the study subjects were listening to a different set of words whilst asleep.

Dr Sid Kouider, from Ecole Normale Supérieure in Paris who led the study, mentioned how this study shows "the sleeping brain can be far more 'active'... than one would imagine... [and] this explains some

everyday life experiences such as our sensitivity to our name in our sleep, or to the... sound of our alarm clock, compared to equally loud but less relevant sounds".

However, he also added that (in his view) only tasks which can become automated may be maintained in sleep, others will stop as sleep takes over. So for now at least, it seems like a while before we're cramming our lectures in our sleep the week before exams.

Nevertheless, their research has paved the way for further studies into the processing capacities of the human brain during slumber.

Imperial professor to lead Ebola vaccine trial

Cécile Borkhataria on the race to develop a drug for the deadly disease

The current Ebola outbreak in West Africa, which began in March 2014, has afflicted Guinea, Sierra Leone, Liberia, Nigeria, and recently, Senegal.

The death toll has now surpassed 2800, with the total number of cases numbering 5864. The severity of this outbreak is unprecedented; the virus first surfaced in Congo in 1976, where only 318 cases were reported at the time.

The outbreak has spurred on a great deal of aid efforts from international health care organisations, with the likes of Medecins Sans Frontieres setting up temporary health centres in the afflicted countries to safely treat Ebola patients.

Currently, there is no known cure for Ebola. The virus, which exists in five strains, four of which can infect humans, is transmitted by exchange of bodily fluids, and it is thought that the practice of washing the dead in rural areas has contributed to the rapid spread of the disease.

Patients are usually given supportive treatment, including balancing fluids and electrolytes, as well as procoagulants to prevent bleeding, and antibiotics to treat secondary bacterial infections.

With the outbreak growing in severity, there has been a frenzy of efforts to develop a cure for the deadly disease. A number of pharmaceutical companies are developing vaccines for the virus, including promising candidates from Tekmira Pharmaceuticals, Canadian based NewLink Genetics and Inovio Pharmaceuticals.

The most advanced vaccine candidate is arguably produced by Glaxo Smith Kline (GSK) and consists of a T-cell based chimpanzee adenovirus. GSK's vaccine is the



Protective gear worn by those who are treating ebola patients Photo: UNICEF

first to have started human clinical trials and it has already been shown to protect against the virus in chimpanzees. The vaccine has been tested on humans in the US and the UK, with the next arm of trials set to take place in Mali and the Gambia.

The Wellcome Trust, the Medical Research Council and the UK Department for International Development has donated a £2.8 million grant towards the efforts, which has allowed a team led by

Professor Adrian Hill, Oxford University, to test the vaccine in the UK, and will help towards testing the vaccine in the Gambia.

One of our very own, Professor Beate Kampmann from the Department of Paediatrics at Imperial College London, is set to run the Gambia arm of the trial. She is an expert in infection and immunity topics and has already had extensive experience running vaccination trials in the Gambia for polio, meningitis

and other diseases.

Said Professor Kampmann on the trial, "The big advantage of fast-tracking such an important development is that the funding becomes available more readily."

The trial will recruit 40 healthy volunteers in the Gambia. Professor Kampmann has said that testing the vaccine in West Africa is vital, as this will take into account differences between West African and European populations with respect to the safety

and efficacy of the vaccine.

Professor Kampmann envisages that the Gambia trials will start in October, once her team has received regulatory approval. It is hoped that all trials can be finished by the end of this year. This ambitious timeline will depend on many factors, but some comfort can be taken in knowing that research efforts are well underway. Only time will tell if GSK's promising vaccine will win the race in developing an Ebola vaccine.

Freshers' Flu: the science behind the sniffles and snot

LAUREN RATCLIFFE
SECTION EDITOR

Freshers' Week for most is a time full of new experiences, stepping out of your usual comfort zone and meeting more new people than you could hope to remember. There are very few instances in your life that you will speak to as many strangers in such a short period of time, turning awkward conversations into friendships and introducing yourself so many times that you start to wonder who you are anymore. So with your luggage unpacked and the

excitement building, you hold many expectations for the week to come. However, the anticipated roller-coaster adventure that is your first few weeks at University is also likely to bring with it Freshers' Flu.

You have probably heard it described as nothing more than a glorified hangover. Don't be fooled. Freshers' flu is real, and there is a 90% chance you will get it. Despite its name, Freshers' Flu is a blanket term to describe a bad cold rather than flu itself; symptoms range from person to person but usually include a beautiful mix of coughing, sneezing, headaches and a temperature.

So what causes this onslaught of bed-ridden freshers? During the first few weeks of university you meet hundreds of new people from across the globe. As good as your immune system is, after being bombarded with such a vast collection of foreign invading pathogens, it is more than likely to encounter one you are not already immune to.

On top of this, moving away from home and taking those first steps to independence alongside so many strangers can put a lot of stress on your body and mind. Not to mention the binge drinking, fast-food eating and general unruly behaviour!

If you get struck down, my advice is to rest – this may be the last genuine excuse to miss a lecture, so enjoy it and let your body adjust to the new environment. Don't feel you need to arm yourself with facemasks and an NBC suit, instead, if you feel unwell perhaps skip the partying and boogying for one night.

A sore throat and headache are nothing you can't handle after some fresh lemon and honey tea alongside a good night's sleep. Vitamin C tablets are also work a treat – Berocca tablets are my personal favourite cold-busting cure, and great for hangovers too!

Don't forget to register with Imperial Healthcare Centre and make a visit if you feel your symptoms persist.

It's common year on year for lecture halls and library study rooms alike to bear the ultimate burden of Freshers' Flu: collective coughing. However you will find that as the term progresses, the noise will quieten down, the germs will stop spreading and you can proceed once more to hear your lecturer instead of the moans and groans of the invalids around you. Just beware for next year, when the new Freshers arrive!

The top tech every fresher should check out

Forgot your key apps? [Max Eggl](#) tells you what's hot

Imperial Software Shop

Before you buy any software while at Imperial, you should always first check out the Software Shop at Imperial just in case. They have several things, like anti-virus and matlab for example, for free and others like maple discounted.

To get to the software shop just google Imperial Software shop, or alternatively visit the IT department and enquire about software there. I mean, it will only take about 5 extra minutes, but could save you a pretty penny.

Spotify

If you haven't heard of this online sensation, then I suggest you get out from under that rock you have been living under. Downloading music and owning it is so 2010 and instead we have Spotify. Spotify comes in two flavours, free and premium.

As the name suggests, free is free. You can listen to all the music you want on your computer with the occasional (very repetitive) ads thrown in between. Also with the free version you can use the spotify app, but instead of being able to listen to any song you want, you have to listen to a shuffled playlist/artist/album including the song. Given that you only have a limited amount of fast-forwards this means that you may have to wait a bit to listen to the song you want.

The premium one on the other hand costs £9.99 a month (sorry Imperial isn't part of NUS so we can't get that half price offer), but instead has higher listening quality, offline playlists, no ads and allows for you to play any song that you want on your mobile. Given that most albums cost £8 and upwards, this seems like a good deal especially during exam time when you just need to have a set of songs to help you study.

Luckily enough there is a one month trial period, where you can use all of the premium benefits and then decide if you want to continue.

Free Office

At university it is vital that you own some kind of office suite. You will need to write lab reports, work with data and make presentations. Now if you have forgotten to purchase a set (or your parents forgot) then do not fret dear reader.

Here are two suites that you can choose between. Firstly we have Microsoft Office. In the world of word, processing, spreadsheets and presentation software the Office suite is undoubtedly king. A great thing is that Office is free to all Imperial students (Mac & PC). To install it,

just go over to the Microsoft office site, and log in with your Imperial email. This will then redirect you to an Imperial webpage where you then verify that you really are at Imperial!

If this all sounds too difficult for you, another option (and my personal favourite) is OpenOffice. It includes all the same basic functionality (except Outlook) and does it almost in an identical manner. Furthermore it is also free! To get OpenOffice just google it, and you will be able to download it quite easily. The only thing you need to keep in mind is that this software has its own data files, and if you want to work with others who don't have OpenOffice you will have to force it to save it in the standard forms.

Apple Student Discount

Ok ok I know what you are going to say; "huge Apple Fan boy!" and you are probably right, but just hear me out on this. Nobody can deny that Macs, while slightly overpriced are well-built machines that perform. Furthermore you always have a good port of call if anything ever goes wrong. Lastly, they are pretty nicely designed if I may say so myself. Now the great thing is that Apple has up to £200 discount on their macs, making them almost affordable.

Furthermore because you are at Imperial, Apple Care, Apple's own insurance is also 10 pounds cheaper. To claim these discounts just make sure you buy them while you are connected to the Wifi and rejoice and the shininess of your new laptop.

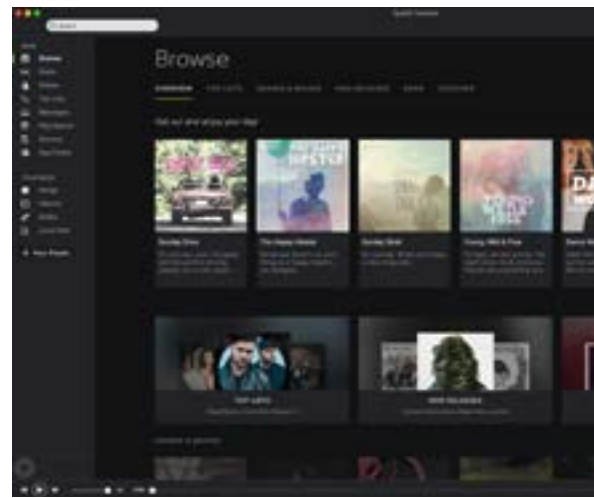
Netflix

Starting from £5.99, you can be watching as many movies from a wide selection as you want. Given that downtime is absolutely vital to survival, having a good amount of quality (or not so quality) TV shows to watch is paramount. Furthermore the internet in halls is incredibly fast, so for those of you lucky enough to be living there this year, don't worry about buffering.

Another benefit is the ability to stream Netflix from multiple devices, so if you own a console, tablet or smartphone, all of these can be used to watch your movies. Just like spotify there is a 1-month free trial, so why not go ahead and try? Just keep in mind that Netflix will send you emails like an annoying ex-boyfriend/girlfriend for a while later.

Latex

We discussed the more popular word-processing options, but this would not be the Newspaper of Imperial College London if I didn't get even a



Spotify is a staple part of every student's tech diet.
Photo: Spotify AB

little technical.

Therefore I unveil Latex. This is not as much word-processing software as a 'language' that compiles to form your document. To write things like \pi which then becomes the beautiful letter π! Furthermore Latex is superb with mathematical formulas, greek symbols and formatting. That means never again having to shout at Word for messing up your entire document when you move a picture a tiny piece. Also the online community is extremely friendly, so you will definitely learn in no time.

I know that some of you will shy away from having to learn this new 'language', but trust me, not only do the results look amazing, you will impress your lecturers and colleagues and have a new skill-set! To download Latex, just google it. Its free and available for Mac, Windows and Linux.

Imperial Mobile App

The official App of Imperial College, it is a free download for Android and iOS that gives you useful information as well as features throughout your stay at Imperial. You have a map of the campus, you can search the library and check your library account, see your time-table (only for some departments though) among many other things. Given that it is free and yet quite useful, I would definitely recommend it.

Yoyo

This is Imperial's payment system, which works through your smartphone. You download the app, connect it to your bank account and then you can pay at various outlets across Imperial. It is incredibly easy and stops you having to wait in line for cash. Given that it is a free download for iOS and Android, this is another app that I think every Imperial student should give a try.

My thoughts on the newest Apple Keynote

MAX EGGL
TECH EDITOR

To be honest, there isn't one emotion I can consign to the latest Apple keynote. There were good parts, there were bad parts and there were meh parts. Sadly the meh parts much outweighed the good parts. Above/Below you can see a review of the newest iPhone so I shan't bore you with that or in fact any of the feature-heavy details, I mean there are several thousand articles that describe that which you can browse at your leisure.

Generally what Apple released this year seems to be what the public have been craving for years now. A larger screen iPhone, check. A phablet, check. NFC, check. An iWatch (actually named the AppleWatch), check. Now rather than defining a category Apple seems to always come late to ones created by other companies, and even then doesn't really do anything that amazing. The specs of the iPhone 6 and 6 Plus are not extraordinary in any way, and while the Watch does have this innovative new digital crown (which honestly I feel is incredibly overhyped), it still doesn't seem like something I must buy. It doesn't add anything new to my life (apart from the messaging, which seemed quite useful) and for more than £300, something I frankly I don't want to spend that kind of money on, especially when we consider that Apple hasn't even mentioned how short battery life will be.

So in terms of actual products released, the only one that really interests me is ApplePay. It looks simple and really useful, utilising the TouchID sensor seems like a tool I definitely would use. However, guess what, its only available in the US. Bummer. So unless you are currently an inhabitant of the United States, you will be unable to use ApplePay. Furthermore we aren't even given a date when this feature will be available to the rest of the world.

While I definitely believe that ApplePay while finally get mobile payments off the ground, the fact that it only available in one country in the world definitely doesn't help.

The one thing that really did strike me at the keynote was not actually any announcement or product, but an action. When the AppleWatch video finished, Tim Cook stood in front of the audience, wearing one of his new products, basking in a standing ovation from the journalists. A standing ovation. I mean, was I the only one who thought this was slightly cringy? This product, while cool, was certainly not deserving of a standing ovation especially when we knew nothing about it yet. If it had a weeks battery, a more appealing design, the ability to tap-dance and crap money, then maybe it would have deserved a standing ovation.

What this showed to me, is the lowered expectation we have now come to expect from Apple. We do not expect groundbreaking innovation, in fact we are quite happy if we get what we have been asking for for several years. We do not expect something that knocks us off our feet, but just lightly caresses our face with the satisfaction that we got something others have been doing for years. While this is not necessarily a bad thing, it is definitely not Applesque.

Regardless of what I said above, I will probably still get the iPhone 6, because at this point I am sucked into its eco system, as well as believing that it is a great phone, but still I am kind of disappointed. Oh well, not every empire lasts forever right?

iPhone 6, would Steve approve? Johannes Hoenig thinks former Apple CEO Jobs wouldn't have...

After 4 years with my solid iPhone 4, your resident Apple fanboy figured it was about time to upgrade before any details of the iPhone 6 were even leaked on the Internet. Hungry for the jump in performance I was sad enough to reserve one in store to get my hands on the newest merchandise on release day. Having used the phone for just under a week, I'm battling second thoughts.

It shouldn't come as a surprise that the specs have improved over the 5s. The chipset is faster, the screen is larger as well as brighter, and the camera has got a shiny new algorithm. This step up in performance is huge, especially if you've upgraded from an older phone like myself. It's beautifully designed, but not quite as smooth around the edges as one would expect.

People were quick to mock the phone for catching up with features that Android sported since 2012. While criticism is justified they are missing the point. Looking at the product releases that turned Apple into the company it is today is revealing. The iPod wasn't the first portable MP3 player, the iPhone wasn't the first smartphone, and the iPad wasn't the first tablet either. Yet they all came to define their respective markets. Why?

Their products were quite simply better at giving the customer what they really wanted. This obsessive attention to detail, especially when it came to the user experience, ran deep within Jobs' DNA. The 6 is disappointing because it fails to fully deliver on that expectation. There are two things that illustrate this perfectly; one is the protruding camera, the other is the larger screen sacrificing ergonomics. Both would have the man who once accused Microsoft of having no taste and making third-rate products turning in his grave.

The camera is identical to the hardware found in the 5s, but comes with some new functions courtesy of the new and improved chipset. However, it sticks out the back by about 1mm, a fact that Apple sneakily attempts to hide in all their marketing material and falsely advertise the phone as the thinnest iPhone yet (6.9mm or 7.1mm for the 6 Plus). In truth, both versions are around about the same thickness as the 5s. It seems as if there was a thinner camera in the pipeline that failed to materialise in time for release. Otherwise, why wouldn't you give us a bigger battery to make the back flush with the lens? At best this is a nuisance hidden away in a case,



"People were quick to mock the phone for catching up with features that Android sported since 2012."

at worst it shows a lack of the very attention to detail that made Apple products stand out.

The biggest crime however is the distinct sacrifice of ergonomics in favour of more screen real estate. Jobs once proclaimed 3.5" as the perfect touchscreen size for phones. Considering Apple has held out against moving to larger screens for so long, one would expect a significant amount of thought would go into designing the user interface for one-handed operation once they did jump ship. Apart from a half-hearted attempt by introducing 'reachability', nothing of the kinds seemed to have happened.

Whether this is a key issue wholly depends on how you use your smartphone. I almost exclusively use the 4 one handed, without preference for either my left or right. It was a non-handed design, simply by virtue of comfortably being able to reach the entirety of the screen with your thumb. It was going to be ergonomic, no matter how stupidly the app buttons were arranged on the screen.

This is no longer the case with the 6. Take for instance the built in messaging app. The keyboard along

the bottom of the screen is a stretch and the phone sits nowhere near as nicely in your palm as the previous phones. Typing one handed on the go you invariably end up fumbling around, not a good combination with the slippery aluminium back. Attempting to reach the back button is completely impossible without either adjusting your grip or double tapping the home button to activate 'reachability'. Both are nothing more than a workaround until an elegant solution to the underlying problem is found through app and OS redesign. Having had a quick play with a friend's Android, they are miles ahead in that respect.

So should you get it? It depends on how you use your phone. If you almost exclusively use it one handed, sticking with your 5s/c for another year would save you from having to go through the pains of an early adopter, while the app developers play catch-up.

On the other hand, if you're already in the two hands camp, by all means go for it. The 6 Plus will probably be a better fit, as long as you don't carry it in your trouser pockets, because nobody likes bent phones.

"Attempting to reach the back button is completely impossible."

Features

features.felix@imperial.ac.uk

Features Editor | VACANT

Meet Chris, your friend in welfare

Chris Kaye's job is to care for your welfare. Here's his tips.

Welcome! I'm Chris, your Deputy President (Welfare), and here are some tips to make the most of your time in London while also looking after yourself. At times the first term will feel like being hit by a breeze-block in the night. Life at Imperial is intense, with many different academic, societal and social pursuits requiring your time - but it is important to remember that we need to find the right balance for us. Achieving this balance is vital to maintaining your wellbeing and looking after yourself!

Food

During Freshers' Week your diet may consist broadly of burgers, kebabs and the like. That's entirely understandable, but it is also important to remember that when your studies start, your diet can have a big effect on your ability to focus and concentrate. A good diet also makes you look and feel good! Cooking isn't that hard, and the Food Section often carries some easy recipes to enjoy. There are also

many healthy options on Campus.

Homesickness

It's normal to feel homesick, especially if you've moved country to study here. But everyone, even if they don't show it, will be feeling the same way. Just power through and make the most of the social opportunities provided at the start of term.

Nightlife Safety

London has some of the most varied nightlife in the world, with all sorts of different experiences to be had. Here are some pro-tips if you're going out for a night on the town.

- Know your route home before you go. There's nothing worse than being stuck in the middle of London, with a flat (or missing!) phone and no idea how to get back.
- If you are drinking alcohol, try to pace yourself. Alternating between alcoholic and non-alcoholic drinks is a good idea.

- Pre-drinking is common and (let's face it) fun. However you shouldn't feel peer pressured into drinking something you don't want to!
- Don't leave your drink unattended. You never know what people might put in it. Equally don't accept a drink from strangers; always watch your drink being made.
- Drugs and alcohol do not mix. And even if you're not drinking, never buy drugs in a club.
- Be wary of clubs offering special promotions to women. Not just because it violates the Union's equality policy(!) but also because a club that sees women in that way probably isn't a very nice environment.
- Look after your friends. Travel there and back in a group, and don't just disappear without telling them. Decide amongst yourselves before you head out what happens if one of you 'pulls'

and who will travel back with whom in that situation.

- Never use unlicensed minicabs. Pre-book your ride from a reputable firm. Worst case scenario if everything goes wrong, just pay for a black cab home. At least you're safe.
- Dress appropriately. Not just for the variable London weather, but walking home from central London is no fun in heels (or so I'm told)!

Safe Sex

In the event you have sexual intercourse while at Imperial, it's important to remember to use protection against Sexually Transmitted Infections. If you do have unprotected sex and require emergency contraception or if you would like to get tested for an STI then visit the Imperial Health Centre or Earl's Court Health and Wellbeing Centre. The Union gives out free condoms and look out for our Shag Week and our STI clinics held

throughout the year.

Sleep

There's no shame in occasionally having a night in, in fact good sleep patterns are crucial to your health. Also, if you're absolutely knackered it's rather difficult to enjoy social events. It's a good opportunity to get to know people in halls, maybe watch a film or shoot some pool. Also, on Monday 13th October, the Union is holding an event called Dri, an alcohol-free night with entertainment (featuring a rodeo bull!) and a DJ. Open to all.

Drugs

Realistically we know some of you will choose to take drugs, and the Union provides access to non-judgemental information about drugs, what precautions to take, and what to do in case of emergency. As well as your safety, it is also important to consider the serious implications of being found with drugs, particularly on College grounds. Visit the Union website for more information.

IMPERIAL HORIZONS



Broaden your education and enhance your potential

**On-line enrolment for first years is open throughout Welcome Week.
Make sure you enrol by 2.00pm on Monday 13th October**

Find out more:

www.imperial.ac.uk/horizons

Union Page

Nominations open Saturday!



This year we are electing Year and Course Representatives, the 16 Ordinary Members of Council, Campaigns Officer, Disabilities Officer and the Graduate Students' Union Reps simultaneously.

This is a brilliant way to get involved and be part of ensuring student views are expressed to the right bodies to make changes for the benefit of students.

Nominations open at 00:01, Saturday 4 October 2014 and close at 23:59, 16 October 2014. To find out more about the positions up for election, visit our website at the address below.

imperialcollegeunion.org/elections

Join us for DRI on 13 October

DRI is Imperial College Union's first alcohol free club night. From 19:00, FiveSixEight and Metric will be serving only non-alcoholic drinks for the rest of the evening. Entry for DRI is free.

All students are welcome at DRI, including those under 18. It's a great chance to meet with new and old friends and have a chilled night out after Welcome Week, whether you drink or not.

DJ Sue headlines the night, playing a mix of rock and roll, 60s pop/beat/psych/soul, Motown, Northern Soul, ska, reggae, 70s punk, some indie and sometimes even dance, disco and beyond. It's the perfect soundtrack to sit back and enjoy listening to, or dance up a storm!

We'll also have giant games in Metric. Compete with friends on our giant Connect 4, keep the balls from dropping in our giant Kerplunk, or see how long you can stay on the mechanical bull!

Our food service and new food menu will be running from 17:00 till 22:00 as well, so you can keep yourself thoroughly fed and watered throughout the evening.

Give It A Go - try something new

We have a huge number of Clubs, Societies & Projects here at Imperial, and our Give It A Go (GIAG) programme gives you a chance to try out some of what our groups have on offer.

Over the month of October (and a little into November) many groups will offer free or cheap taster sessions, events and activities. You can attend these and get involved before committing to become an actual member.

Many sessions are free or at a low cost. It's a great chance try out something new! You can find events in our GIAG guide which will be out during Welcome Week, and on our What's On Calendar online.



imperialcollegeunion.org/whats-on

Volunteering Fair, 14 October

Interested in volunteering? Looking to make a difference and gain valuable experience? Then our Volunteer Fair is the event for you!

The fair is on Tuesday 14 October, 11:30 - 14:30 in the Great Hall, Sherfield Building, South Kensington campus.

Come along and Volunteering Fair to meet with projects and charities and find out about the thousands of different volunteering opportunities you can get involved with at Imperial, across London and overseas.

Organisations attending include Deafblind UK, Scouts, Hackney Pirates, Science Museum, St. Johns Hospice, Action Tutoring, Imperial Hub, Imperial Student Recruitment and Outreach, Action For Kids, RAG, Imperial Cooperative, TEAM UP and CoppaFeel!.

More information about volunteering with and through the Union can be found on our website.

imperialcollegeunion.org/volunteering

#helloicu
crew

Keep a look out for our team of student volunteers around campus all Welcome Week in their purple shirts.

They are here to answer any of your questions and help you have the best possible welcome to the College and the Students' Union! Also, lookout for the hashtag online - #helloicu.



THE TECHTÒNICS

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**SIGN UP FOR A CAPPELLA
AT FRESHERS FAIR**

METRIC M7

Freshers' Fair 2014

Tuesday 7 October, 11:00 - 16:00



Abi de Bruin

Deputy President (Clubs & Societies)
 dpcs@imperial.ac.uk
 @icu_DPCS

Freshers' Fair is one of the biggest events of the year, and definitely not one to be missed. The South Kensington Campus is transformed into a showcase of every Club, Society and Project that we have on offer at Imperial College Union. It is a fantastic environment to find out exactly what we have going on, as well as grabbing some freebies and soaking up the atmosphere. Every year thousands of students attend the fair, visiting many of the 320+ stalls that each Club, Society & Project get to promote their group, hold demonstrations, give out freebies and chat to students.

Stalls are roughly grouped by type so you'll be able to find any groups associated with a particular interest all in one place, though of course I'd strongly suggest you don't just visit the one group you might be interested in. There is a huge range of activities on offer and University is the best time to try new things and meet new people. We're really proud of the diversity and dedication of our student groups and we'd encourage you to take part in as much as you possibly can.

As well as the stalls there will be demos and performances on throughout the day, just check out the Queens Lawn, Union Gym, Metric, and the Great Hall to look for these. There will also be hourly tours of the newly redeveloped Media Basement meeting in Beit Quad. Another great chance to check out some of our fantastic student groups performing will be at the Freshers' Fair afterparty.

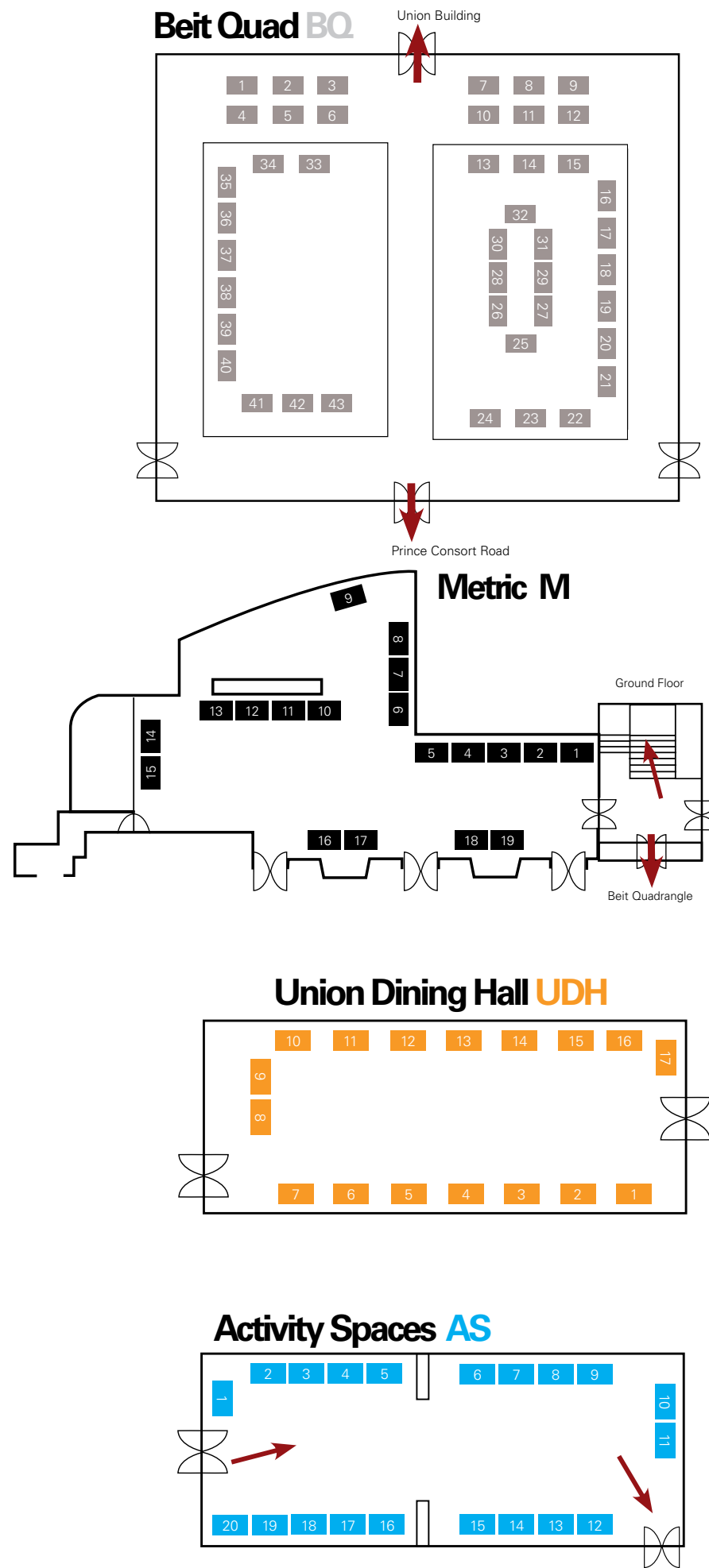
Freshers' Fair operates a strict no trading policy so you won't need to part with any money. Instead you'll be encouraged to sign up to the mailing lists of the groups you chat to on the day so that they can keep you informed with what's going on. Feel free to sign up to as many mailing lists as you're interested in, it's really easy to unsubscribe and it's definitely better to keep your options as open as possible right at the beginning.

Give It A Go (GIAG) is a programme we run that lets you try out many of the Clubs, Societies & Projects and little or no cost before you commit to buying membership. Keep an eye out for these events on the What's On calendar online where you'll be able to find more details.

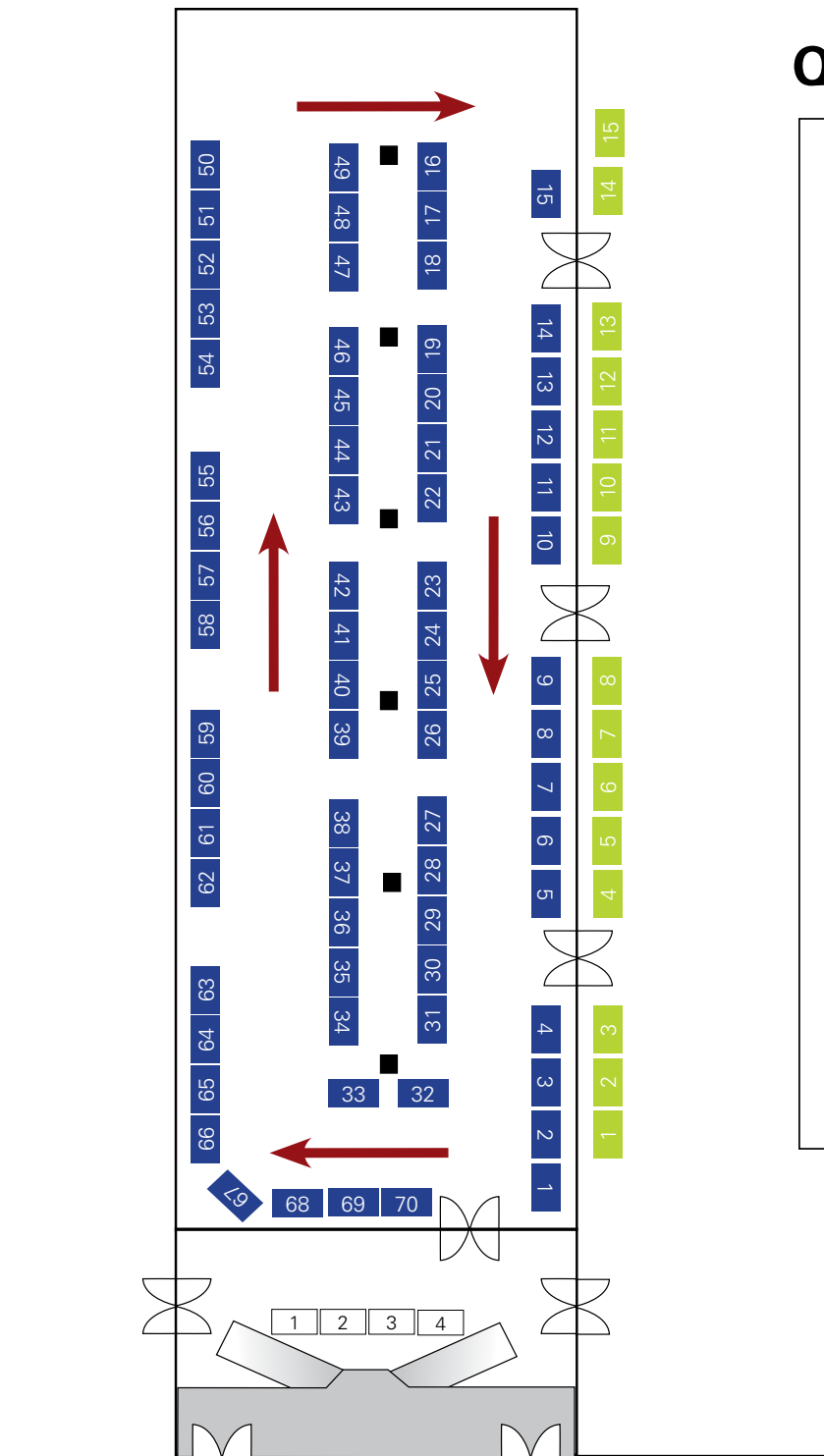
Don't worry if you miss out on going to the first few events or meetings of a club, you'll be able to join a group or sign up to a mailing list at any time of the year. You can get in contact with groups via the contact details on their A to Z profile online. This can all be done on our website: imperialcollegeunion.org/a-to-z.

I look forward to seeing many of you at the Fair and I hope you enjoy it!

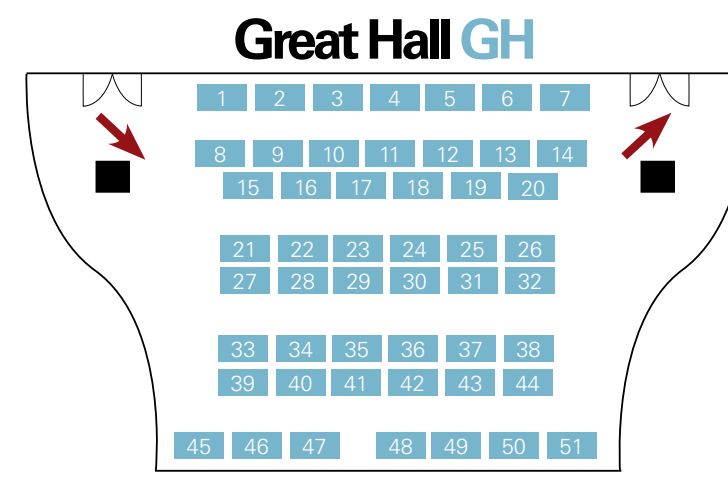
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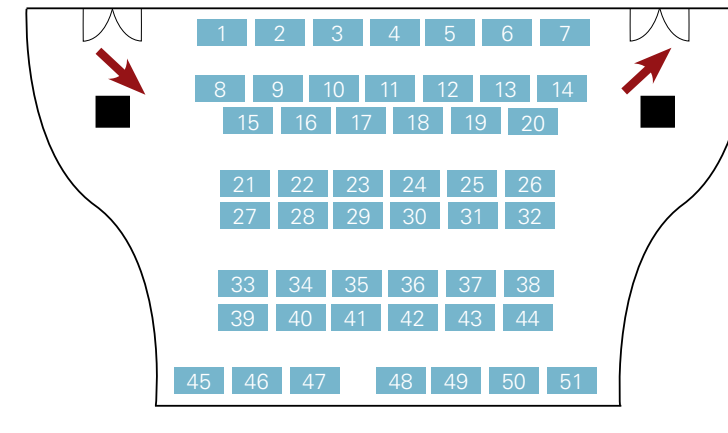
Queen's Tower Rooms QTR



Sherfield SF



Great Hall GH

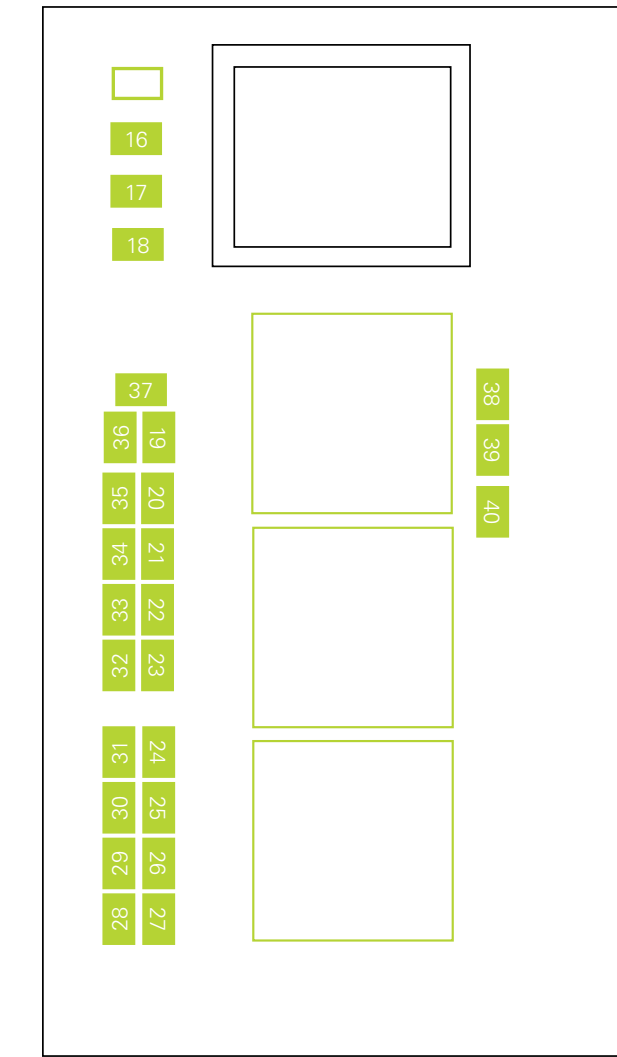


Car Park CP

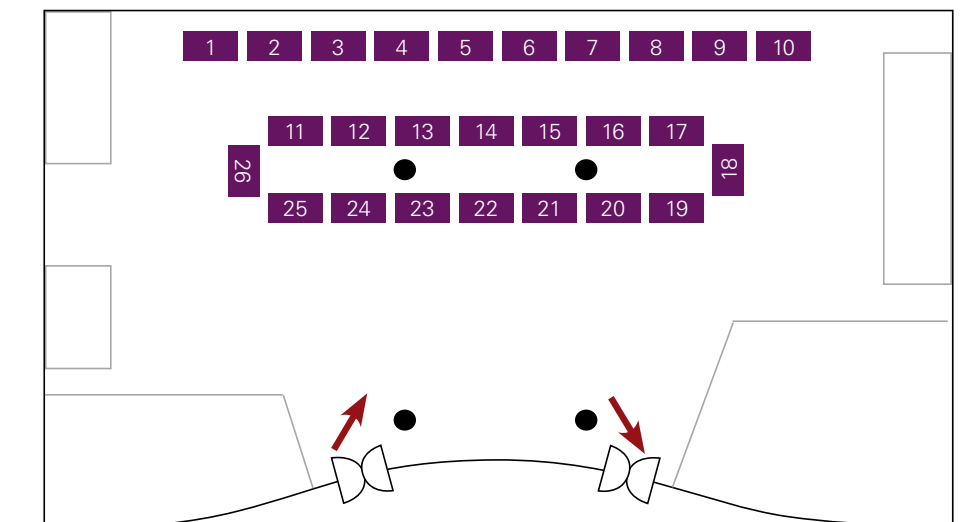
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Queen's Lawn QL



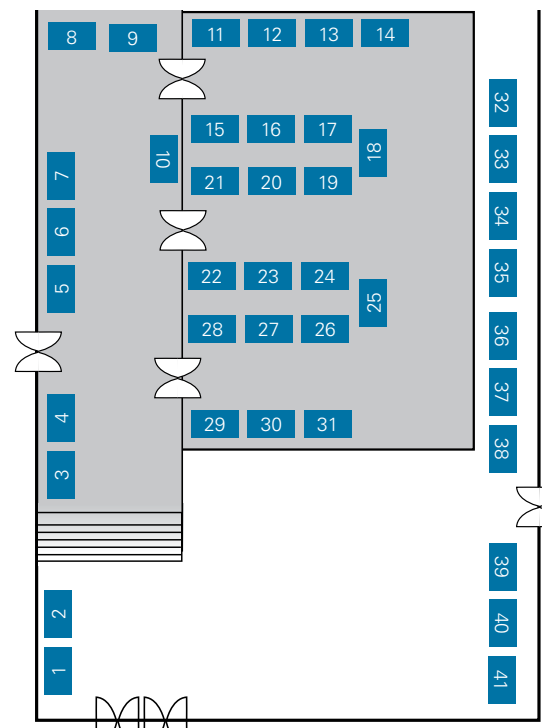
Junior Common Room JCR



imperialcollegeunion.org/welcome



Sir Alexander Fleming Building SAF

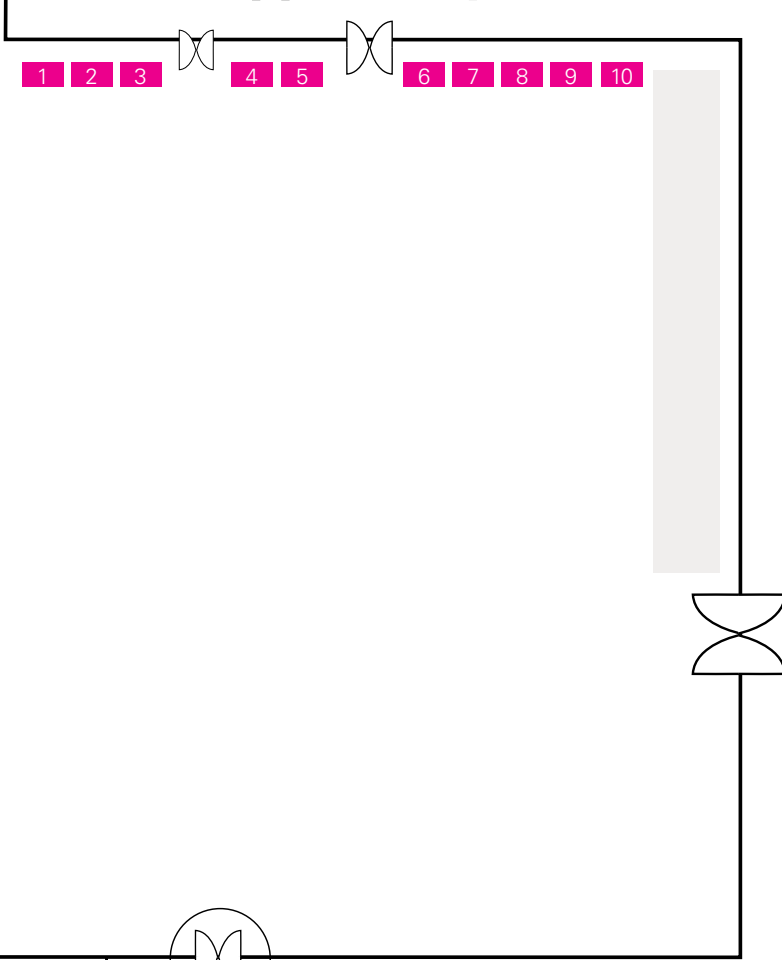


Queen's Lawn

Queen's Lawn

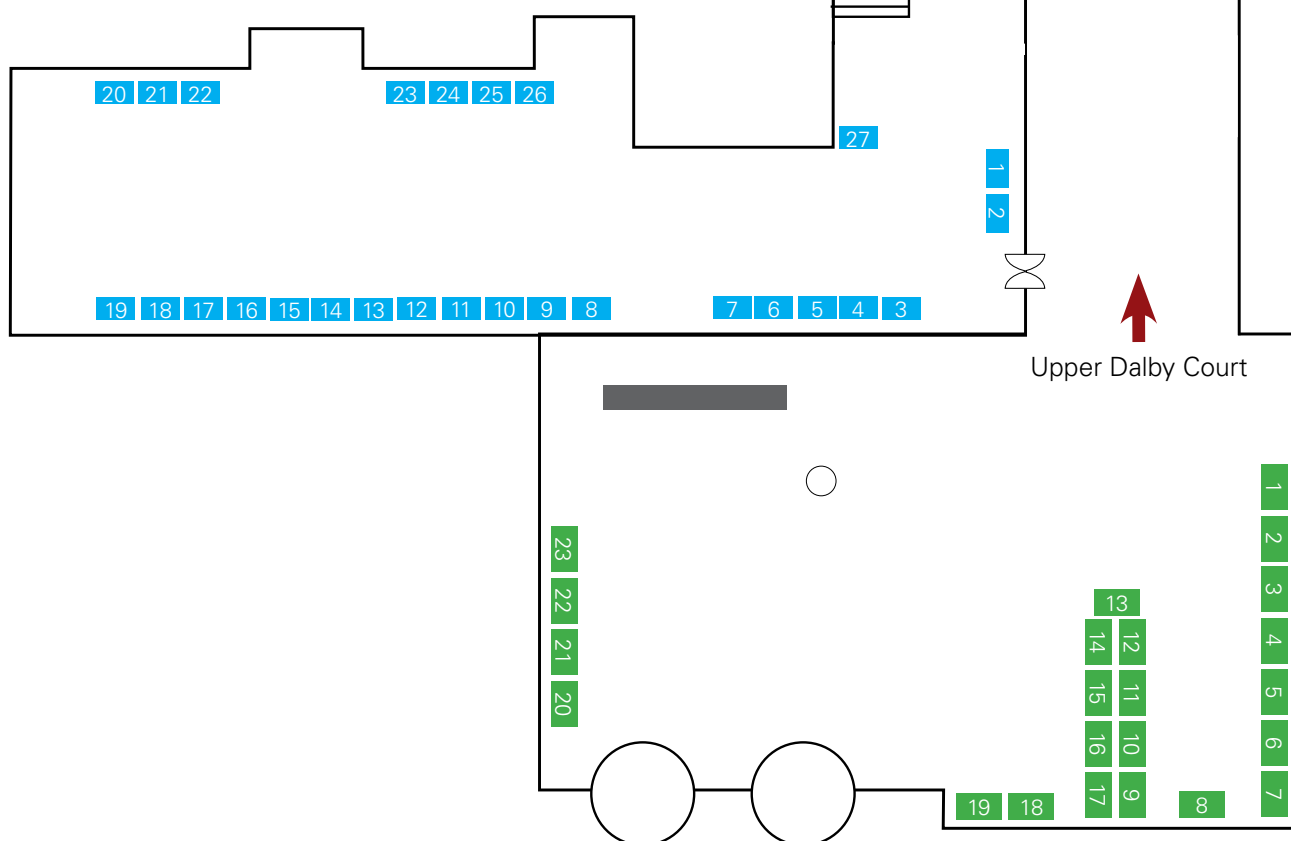
Sherfield Walkway

Upper Dalby Court UDC



Upper Dalby Court

Mechanical Engineering MEF



Imperial College Main Entrance ICME

Club, Societies & Projects

- M 7 A Cappella
- GH 21 ABACUS
- BQ 10 Activities for Children with Disabilities
- MEF 8 Advertising
- MEF 19 Aeronautics
- GH 46 Afro-Caribbean
- JCR 6 Ahlul Bayt
- JCR 1 Ahmadiyya Muslim Students Association
- M 6 Alternative Music
- QL 19 American Football
- JCR 19 Amnesty International
- JCR 14 Animal Protection and Education
- UDH 9 Anime
- GH 28 Arabic
- QL 40 Archery
- UDH 1 Architecture
- AS 6 Arts Imperial
- AS 8 Artsoc
- SAF 7 Asian Medical Students Association
- UDH 17 Assassins Guild
- AS 13 Astronomy
- JCR 20 Atheists, Secularists and Humanists
- SAF 24 Athletics (Medics)
- GH 42 Australian
- BQ 12 Avicenna Project
- UDH 4 Backgammon
- ICME 21 Badminton
- SAF 27 Badminton (Medics)
- GH 51 Bangladeshi
- QL 30 Baseball
- QL 36 Basketball
- SAF 21 Basketball (Medics)
- M 12 Belly Dancing
- BQ 21 Bike Users Group
- MEF 15 Bio Engineering
- MEF 25 BioChemistry
- MEF 24 Biology
- SAF 34 BioMedical
- QL 9 Boat
- SAF 17 Boat (Medics)
- AS 10 Book
- QL 38 Boxing
- UDH 5 Bridge
- MEF 7 Bright Futures
- SAF 39 British Medical Association
- GH 15 Bruneian
- JCR 7 Buddhist
- GH 16 Bulgarian
- GH 10 Caledonian
- AS 17 Calligraphy and Oriental Painting
- BQ 36 Canoe
- JCR 10 Catholic
- BQ 33 Caving
- MEF 18 CGCU
- AS 20 Chamber Choir
- AS 1 Chamber Music
- JCR 13 Chaplaincy
- QL 20 Cheerleading
- M 2 Cheese
- MEF 14 Chemical Engineering
- MEF 23 Chemistry
- UDH 6 Chess
- GH 47 Chinese
- GH 19 Chinese Students & Scholars Association
- AS 19 Choir
- SAF 33 Christian Medical Fellowship
- JCR 4 Christian Union
- BQ 41 Cinema
- MEF 16 Civil Engineering
- M 3 Comedy
- BQ 4 Community Connections
- MEF 21 Computing
- JCR 21 Conservative
- MEF 1 Consultancy
- BQ 6 CoppaFeel!
- QL 34 Cricket
- SAF 22 Cricket (Medics)
- QL 26 Croquet
- QL 28 Cross Country and Athletics
- ICME 22 Cycling
- GH 17 Cypriot
- GH 14 Czech-Slovak
- M 15 Dance
- M 11 Dance - Funkology
- SAF 15 Dance (Medics)
- M 13 Dance Company
- SAF 16 Darts (Medics)
- UDC 7 De La Beche
- JCR 24 Debating
- AS 14 Design Collective
- ICME 19 Dodgeball
- SAF 12 Drama (Medics)
- M 9 DramSoc
- GH 43 Dutch
- GH 5 E.quinox
- MEF 4 Economics
- GH 1 El Salvador Project
- MEF 13 Electrical Engineering
- SAF 6 EMSA
- GH 6 Enactus
- BQ 22 Energy
- BQ 14 Engineers Without Borders
- BQ 20 Environmental
- GH 4 ERASMUS
- GH 7 European Union
- JCR 11 Every Nation Christian
- BQ 26 Exploration
- AS 7 Fashion
- BQ 38 Felix
- BQ 25 Fellwanderers
- JCR 15 Feminist
- UDC 1 Fencing
- AS 15 FilmSoc
- MEF 27 Finance
- QL 41 Fire Department
- ICME 18 First Aid
- QL 33 Football - Mens
- SAF 18 Football - Mens (Medics)
- UDC 3 Football - Mens (RSM)
- QL 29 Football - Womens
- QL 3 Gaelic Sports
- UDH 11 Gaming
- SAF 9 Gazette
- UDC 10 Geology for Global Development
- UDC 8 Geophysics
- JCR 20 German
- QL 16 Gliding
- SAF 3 Global Brigades
- UDH 10 Go Society
- ICME 16 Golf
- AS 18 Gospel Choir
- SAF 32 GradMed (Medics)
- BQ 1 GSU
- M 18 Guitar
- QL 21 Handball
- GH 11 Hellenic
- JCR 5 Hillsong Connect
- JCR 2 Hindu Society
- QL 22 Hockey
- UDC 4 Hockey (RSM)
- SAF 30 Hockey Mens (Medics)
- SAF 29 Hockey Womens (Medics)
- GH 8 Hungarian
- M 19 IC Big Band & Jazz
- QL 5 Ice Hockey
- MEF 11 ICSEDS
- BQ 40 ICTV
- BQ 2 Imperial College Union
- SAF 38 Immunology
- SAF 10 Imperial College Aid to the Balkans
- BQ 11 Imperial Cooperative
- MEF 3 Imperial Entrepreneurs
- BQ 5 Imperial Hub
- BQ 19 Imperial Scouts and Guides
- GH 12 Indian
- GH 35 Indonesian
- MEF 5 Innovation
- BQ 9 Interact
- GH 39 International Tamil
- JCR 26 IQ (Imperial College LGBT)
- GH 18 Iraqi
- QL 4 Irish
- JCR 12 Islamic
- GH 23 Israeli
- GH 44 Italian
- GH 22 Japanese
- M 17 Jazz & Rock
- JCR 8 Jewish
- ICME 1 Jiu Jitsu (Aiuchi)
- ICME 10 Ju Jitsu
- ICME 3 Judo
- BQ 30 Juggling
- ICME 17 Kabaddi
- ICME 13 Karate Shotokan
- ICME 5 Kendo
- GH 45 Kenyan
- GH 3 Kenyan Orphan Project
- ICME 6 Ki Aikido
- AS 9 KnitSoc
- GH 41 Korean
- ICME 7 Kung Fu
- JCR 23 Labour
- SAF 25 Lacrosse
- QL 39 Lacrosse
- MEF 6 Law
- UDH 12 Lego
- AS 16 Leonardo Fine Arts
- UDH 15 Linux Users
- JCR 25 London Forum for Science and Policy
- BQ 42 Magazine
- UDH 7 Mahjong
- GH 20 Malaysian
- MEF 2 Management
- UDC 9 Materials
- MEF 20 Mathematics
- GH 24 Mauritian
- M 1 Meat Appreciation
- MEF 17 Mechanical Engineering
- SAF 35 Medical Education
- SAF 37 Medics Careers
- SAF 2 Medics Students' Union
- SAF 4 MedSIN
- JCR 17 Model United Nations
- CP 9 Motor (C&G)
- CP 11 Motor (RCS)
- CP 10 Motor (RSM)
- SAF 20 Mountaineering (Medics)
- BQ 31 Mountaineering
- ICME 2 Muay Thai
- SAF 13 Music (Medics)
- M 16 Music Technology
- M 8 Musical Theatre
- SAF 8 Muslim Medics
- QL 35 Netball
- SAF 26 Netball (Medics)
- BQ 3 New Club stall
- GH 25 Nigerian
- GH 9 North American
- BQ 23 Oil and Gas Forum
- SAF 14 Opera (Medics)
- AS 4 Orchestra - Sinfonietta
- AS 5 Orchestra - Symphony
- BQ 27 Outdoor
- JCR 9 Overseas Christian Fellowship
- GH 48 Pakistan
- GH 27 Palestinian
- QL 17 Parachute and Skydiving
- BQ 35 Parkour, Free Running and Gymnastics
- GH 40 PASS
- JCR 18 Philosophy
- GH 13 PhotoSoc
- MEF 22 Physics
- QL 15 Pilots
- AS 11 Pint of Science
- UDH 8 Poker
- M 14 Pole dancing
- GH 49 Polish
- GH 29 Portugese Speaking
- GH 2 Project Nepal
- GH 50 Punjabi
- CP 8 Quiz
- BQ 39 Racing
- BQ 18 Radio
- MEF 12 RAG
- MEF 12 RAG (Medics)
- BQ 13 Rail and Transport
- MEF 26 RCSU
- UDC 6 Real Ale (RSM)
- ICME 14 Riding and Polo
- BQ 16 Rifle & Pistol
- MEF 10 Robotics
- M 10 Rock and Metal
- GH 30 Romanian
- BQ 24 Rotaract
- QL 25 Rounders
- UDC 2 RSM
- CP 1 Rugby - Mens
- CP 3 Rugby - Mens (Medics)
- CP 2 Rugby - Womens
- CP 4 Rugby (C&G)
- QL 6 Rugby League
- UDC 5 Rugby Mens (RSM)
- GH 31 Russian Speaking
- QL 8 Sailing
- BQ 17 Save the Children
- GH 32 Scandinavian
- UDH 3 SciFi
- BQ 28 Scuba Diving (Underwater)
- ICME 9 Shaolin Kung Fu
- ICME 8 Shorinji Kempo
- JCR 3 Sikh
- GH 33 Singapore
- BQ 34 Skate Soc
- ICME 15 Snooker & Pool
- QL 13 Snowsports
- UDH 16 Software
- SAF 41 SORA
- BQ 7 Soup Run
- GH 34 Spanish
- JCR 22 Speakers
- QL 32 Sport Imperial
- ICME 20 Squash
- SAF 31 Squash (Medics)
- GH 26 Sri-Lankan
- UDH 13 Starcraft
- AS 3 String Ensemble
- JCR 16 Student Action for Refugees
- BQ 32 Surf
- SAF 36 Surgical
- QL 2 Swim & Water Polo
- QL 1 Synchronised swimming
- BQ 29 Table Football
- QL 37 Table Tennis
- UDH 2 Table Top Gaming
- ICME 12 Taekwondo
- GH 36 Taiwan
- CP 12 Team Bo
- BQ 8 Team Up
- M 4 TeaSoc
- SAF 40 Teddy Bear Hospital
- QL 23 Tennis
- SAF 28 Tennis (Medics)
- GH 37 Thai
- QL 11 Triathlon
- GH 38 Turkish
- QL 27 Ultimate Frisbee
- BQ 15 UNICEF
- SAF 5 Vision
- QL 18 Volleyball
- ICME 23 Wakeboarding & Kitesurfing
- SAF 23 Waterpolo (Medics)
- SAF 19 Weights and Fitness (Medics)
- AS 12 Wikipedia
- CP 5 Wilderness Medicine
- AS 2 Wind Band
- QL 31 Windsurfing
- ICME 4 Wing Chun
- UDH 14 Writers Society
- MEF 9 Women in SET
- ICME 11 Wushu
- QL 7 Yacht
- QL 10 Yoga
- SAF 11 Yoga (Charing Cross)

External Companies & College

- QTR 32 Bright Networks
- QTR 5 CALM (Campaign Against Living Miserably)
- QTR 53 Centre for Co-Curricular Studies
- QTR 44 Chinese Church in London
- QTR 21 Christ Church Kensington
- QTR 27 Christ Church Mayfair
- QTR 38 Credit Suisse
- QTR 36 David Lloyd Leisure
- QTR 47 Deliveroo
- QTR 62 Employment4Students
- QTR 46 Endsleigh Insurance Services
- QL 14 EY
- QTR 11 Eyeworks London
- QTR 17 Fulham Vision
- QTR 3 Gideons International
- QTR 69 Gradcracker
- QTR 9 Graduate Prospects
- SF 4 Graduate Recruitment Bureau
- QTR 56 graduation-jobs.com
- QTR 1 Help for Syria
- QTR 19 IAESTE UK British Council
- QTR 65 ICAEW
- SF 3 Image Scotland
- QTR 20 Imperial College Careers Service
- QTR 63 Imperial College London Safety Department
- QTR 40 Imperial College Safety Department
- SF 2 Imperial College, Student Recruitment & Outreach
- QTR 33 Imperial Success Guide
- QTR 6 Keen
- QTR 42 Kensington, Chelsea and Westminster Liberal Democrat Associations
- QTR 8 London Sinfonietta
- QTR 39 London Business School
- QTR 12 London Farmers Market
- QTR 16 London Nightline
- QTR 23 London West Mandarin Congregation of Jehovah's Witnesses
- QTR 28 Lycamobile
- QTR 31 Metropolitan Tabernacle
- QTR 55 Milkround
- QTR 13 Mongrelcroc Clothing LTD
- QTR 61 My Activity Pal
- QTR 15 Nandos
- QTR 37 NHS Blood & Transplant
- QTR 10 NIHR/WT Imperial Clinical Research Facility
- QTR 24 Now PayG
- QTR 50 Oomph Labs Limited
- QTR 14 Orchestra of the age of enlightenment
- QTR 49 Oxford University-Jenner Institute
- QTR 57 Ratemyplacement
- QTR 22 Rector's Ambassador Scheme
- QTR 52 Rileys Pool Club
- QTR 60 Royal Albert Hall
- QTR 59 Santander Universities
- QTR 35 Sesquis.com
- QTR 54 St Andrew's Church
- QTR 7 Student Pulse
- QTR 64 TARGETjobs
- QTR 58 Teach First
- QTR 34 TFL
- QTR 66 The Beans Group
- QTR 48 The Mathematical Games Company LTD
- QTR 68 TransferWise
- QTR 41 University of London Officer Training Corps
- QTR 45 University of London Royal Naval unit
- QTR 51 University of London UAS
- QTR 67 Virgin Media
- QTR 26 Viva la Vita Ltd
- QTR 4 Wellbeing of Women
- QTR 30 Westminster Chapel
- QTR 70 Zoological Society of London

WELCOME

04 & 05 October

The Mingle

UNDERGRADUATE

19:00 - 01:00
ALL UNION BARS
£10.00

TODDLA T



The Mingle is Imperial College Union's official welcome party for all new Undergraduate students. As the first big social event of Welcome Week it's the perfect way to get to know new friends from your hall of residence and meet new ones from others. Toddla T headlines both nights alongside Serocee.

04 & 05 October

THE LITE MINGLE

19:00 - 01:00
JUNIOR COMMON ROOM
FREE

The Lite Mingle is for anyone who fancies a chilled-out alternative to the Mingle. We will be showcasing a live lounge of student performers as well as offering coffee and other non-alcoholic refreshments.



06 October

LIVE COMEDY

DOORS OPEN 19:00
SHOW START 20:00
METRIC
FREE

Bring your new friends and have a laugh and a giggle with our line-up of stand up comedians. Featuring multi-award winning Irish improvised hip-hop comedian Abandoman.

ABANDOMAN



06 October

OPEN MIC NIGHT

19:00 - 23:00
H-BAR
FREE
POSTGRADUATE ONLY

The Jazz & Rock society is the Union's long running live music club - join them in the h-bar, and even join them on stage!



07 October

FRESHERS'

11:00 - 16:00
SOUTH KENSINGTON CAMPUS
FREE

Imperial College Union Freshers' Fair is packed with 400+ stalls showcasing the best of what student life has to offer. The biggest day of Welcome Week is not to be missed!



07 October

FRESHERS' FAIR AFTERPARTY

17:00 - 23:00
FIVESIXEIGHT METRIC
FREE

The Freshers' Fair Afterparty is a great way to burn off all the free sweets you've consumed over the day and see Imperial College Union Clubs, Societies & Projects showcase their talents.



07 & 09 October

IMPERIAL CINEMA DOUBLE BILL

X-MEN 18:30
HTTYD2 21:15
UNION CONCERT HALL
£3.00 MEMBER
£4.00 NON MEMBER

How to Train Your Dragon 2 at 18:30, and X-Men Days of Future Past at 20:45.

Attend both great films for only £7 or £5 if you join ICU Cinema, plus free ice cream with every ticket! Imperial Cinema is the student run cinema of Imperial College London - join them for one of their first screenings of the year!



X-MEN.

DAYS OF FUTURE PAST



HOW TO TRAIN YOUR DRAGON 2

07 October

COMEDY

20:00 - 23:00
H-BAR
FREE
POSTGRADUATE ONLY

Bring your new friends and have a laugh and a giggle with our line-up of stand up comedians in h-bar.



08 October

CSP 80'S

19:00 - 01:00
METRIC
FREE BEFORE 21:00
£2.50 AFTER

Step back in time to the 80s! CSP Wednesday is on during term-time, and is your weekly night featuring sport and music and is open to all, whether you're part of a Club, Society or Project (CSP) or not.



08 October

ACOUSTIC BAND NIGHT

20:00 - 23:00
H-BAR
FREE
POSTGRADUATE ONLY

Come and chill out in the h-bar to the sounds of our house band for the evening.

09 October

LIVE MUSIC, FEATURING IC BIG BAND

19:00 - 23:00
METRIC
FREE

Metric plays hosts to a number of live bands for your listening pleasure! The line up includes IC Big Band playing swing and jazz classics as well as mixing up modern classics.



09 October

GRADUATE STUDENTS' UNION PUB QUIZ

20:00 - 23:00
H-BAR
FREE
POSTGRADUATE ONLY

Get a team together and use your grey matter to compete against some of the best minds in the world, you could win some great prizes.

10 October

FB

FRESHERS' BALL

20:00 - 03:00
METRIC
£10.00 IN ADVANCE
£13.00 ON THE DOOR

The Freshers' Ball is the final party of Welcome Week and a great way to celebrate with your new found friends. Get your ticket online before they sell-out!



FINN JONES
GAME OF THRONES

10 October

PGI FRIDAY!

20:30 - 01:00
H-BAR
FREE
POSTGRADUATE ONLY

It might only be the first week of term and College life isn't yet in full swing, but it's still a Friday, so it's a reason to celebrate! Join us in the h-bar with a DJ on till 01:00.

11 October

GRADUATE STUDENTS' UNION BUS TOUR

10:00
H-BAR
FREE TO JOIN
JUST NEED TRAVEL COSTS
POSTGRADUATE ONLY

Meet at the h-bar, departs 10:00, free to join - just need travel costs. The Graduate Students' Union will be hosting free guided tours around central London for Masters and PhD students. If you're new to the city, want to meet the new postgrads or simply haven't got around to doing the tourist-y stuff yet, this is for you!

11 October

The Mingle

POSTGRADUATE

19:00 - 02:00
ALL UNION BARS
£10.00 IN ADVANCE
BUY ONE GET ONE FREE
POSTGRADUATE ONLY

The Postgraduate Mingle is Imperial College Union's official welcome party for all new incoming Postgraduate students. Mistajam will be headlining the largest PG social event of the year.



MISTAJAM

Games To Look Forward To

Max Ettl has looked at upcoming releases so you don't have to

World of Warcraft: Warlords of Draenor

Release Date: 13.11.14

Platform: PC and Mac

In recent times the king of MMOs has been losing strength. After a drop to 7 million subscribers as of August from an all-time high of 12 million a few years back, lots of talk is about that the end of the world (of warcraft) is nigh. To stem the flow Activision have now announced an ambitious update that will be available in about a month. Following on from the story of the Mists of Pandaria, we have a story that includes time-travel, returning of legendary Warcraft characters and generally a lot of promise. Furthermore, there will be, among many others, implementations of Player-built garrisons, changed PvP and the almost mandatory raise in the max level. All in all it looks quite promising, and if you have been contemplating returning to WoW, now may be the time. Just be careful that you remember to have a life outside Azeroth.

Call of Duty: Advanced Warfare

Release Date: 4.11.14

Platform: PC, XOne, PS4, Xbox 360, PS3

Call of Duty is a franchise that is ridiculed for its seeming simplicity, lack of originality and immaturity of its audience. Quick summary- it is a simplistic shooter, where you have no real strategy or team play (am I being slightly biased?). Yet, on an annual basis millions go out, queue for hours and spend hard-earned cash on the newest instalment. Now on the 4th of November this event is rolling around for another year. This time however, we will see some changes that might make this game worth a go. A redesigned HUD and supposed change to the gun mechanics, as well as genuine plot setting seem to suggest that Activision are realising they can't keep pushing the same thing (albeit adding dogs) onto us and expect us to buy it.

Pokémon Omega Ruby and Alpha Sapphire

Release Date: 28.11.14

Platform: 3DS

After the recent relative success of Pokémon X and Y, the gamer community was quite surprised that we would get another Pokémon game in the same year! Not only that, but these two games are remakes of Ruby and Sapphire, a set of games that fans have been waiting for. This is a game that Pokémon fans have

been waiting for roughly three years now. In fact there was even a meme- "Hoenn confirmed". Marrying the story and characters of the original with the mechanics, like the 3-D view for example, that made X and Y should make for a very good game. In fact this Editor, who has so far resisted the need to buy a 3DS might buy himself one, along with a copy of Alpha Sapphire for nostalgia's sake!

Far Cry 4

Release Date: 18.11.14

Platform: PC, XOne, PS4, Xbox 360, PS3

After the commercial and critical success that was Far Cry 3, which had a great set of characters, game play and a beautiful open world, Ubisoft is now releasing the next instalment in the Far Cry series. This FPS, which usually is marked by beautiful maps, great game play and interesting stories is set in the Himalayas, promises to deliver the things we have come to expect from this series. These include a gorgeous open world, a large dynamic way of doing your missions and great characters. Generally these games always deliver, so I think this game should be a safe bet if you are looking for a great gaming experience.

Lord of the Rings: Shadow of Mordor

Release Date: 30.9.14(PC), 10.3.14

(XOne, PS4), 21.11.14 (Xbox 360, PS3)

Platform: PC, XOne, PS4, Xbox 360, PS3

A game, that I am personally extremely excited for, the shadow of Mordor is the newest Lord of the Rings game to be released. A action-RPG looking like a combination of Skyrim and Assassin's creed, we once again enter the world of Middle Earth, but this time not with any of the established characters from Tolkien's imagination, but indeed a entirely new protagonist, Talion, and a new story. Utilizing all of the rich lore that makes LotR, including stealth, magic and action and introducing entirely new mechanics, this game could be an absolute winner. If you are any kind of LoTR fan, you should seriously consider buying this game.

Assassins Creed Unity & Rogue

Release Date: 13.11.14

Platform: PC, XOne, PS4 (Unity), Xbox 360, PS3 (Rogue)

Yes you read correctly, we are going to have two Assassin's Creed games released on the same day. One allows you to play as a Templar, hunting



Here is a picture of Gandalf because it is 4am and I am hurting. Photo: Bilbo Baggins

"Yes you read that correctly, we are going to have two Assassin's Creed games released on the same day."

Assassin, focusing heavily on naval warfare and serves to fill the gaps in the story between Assassin's Creed 3 and Black Flag. Unity, on the other hand, features a completely new assassins and is set in Paris on the eve of the French revolution. Both of these titles look amazing, and the updates to the game-play and multiplayer add on an already great set of games. The only problem is that Unity is only available for the new generation of consoles as well as PC, while Rogue only is available for the PS3 and Xbox 360. This means that unless you own both generations, you will only be able to play one.

Alien: Isolation

Release Date: 7.10.2014

Platform: PC, XOne, PS4, Xbox 360, PS3

The soonest game on our list, Alien: Isolation plans to restore the franchise to its high pedestal after the abysmal game that was Colonial Marines. Instead of going for the FPS, the newest Alien game is now a horror-survival game which follows a recent trend of these games. However, unlike these other games, this game has a rich backstory to draw upon, which it does masterfully. You are the lonely Amanda Ripley, who is investigating the disappearance of her

mother. Throughout your quest for knowledge, you are being stalked by a single incredibly scary xenomorph against which you have limited ability to fight. This game looks super good and scary, (just watch youtube videos with people wearing the oculus rift) and if you are fan of the stealth-horror-survival genre, genuinely a title to look at.

Sid Meier's Civilization: Beyond Earth

Release Date: 24.10.2014

Platform: PC, Mac and Linux

The Civ series is undoubtedly the king of strategy games. Using the tried and tested method of most 4X (eXplore, eXpand, eXploit, eXterminate) titles these games just have a special place in strategy enthusiasts hearts. Now with the newest Civ game- Beyond Earth, we have something that is completely different from any previous Civ Games. Still retaining the basic game mechanics, we are now trying to take of the universe instead of only earth. Furthermore, instead of relying on historic civilizations, we now have the ability to create our own civilizations of the future. Even though the price may seem somewhat steep, (you can always wait for a steam sale!) it is something to get excited for.

Games

games.felix@imperial.ac.uk

Games Editor || Max Eggl & Calum Skene

Five Games Every Fresher Should Have

Bored of the library? Don't worry, **Calum Skene** can help you out

A sacrifice many people have to make when they come to university is to leave behind their XBOX or Playstation. Hopefully something you have brought with you though is a laptop, iPad or portable gaming device that so far in your life might have been unplayed in favour of their larger siblings. This is a list of games that should appeal to the young student. They are all cheap, playable on these portable devices and provide many hours of distraction from your future studies.

These games all have something in common apart from being some of my favourites. They are all indie games which I have found as a student are always a good purchase and often entertain me far longer than the big more expensive titles. I have left out two great games from my list that games editor Max Eggl mentioned last year.

These are Minecraft and Portal 2 which in my opinion are essential games for everyone and I recommend you take a look at his article from last year as well. Here then is my list of games every fresher should have.

Super Meat Boy

Super Meat Boy is possibly the

greatest and most frustrating game of all time. In many ways this game is a lot like the old Super Mario Bros games except you can jump further and higher and will die a lot more in some pretty graphic ways.

This game is not for those with no patience. Each level is quite short and can usually be completed in 20 seconds or less if you manage to avoid all the saws, piles of salt and gaps that will kill you. In reality each level could take you 20 minutes or more of repeated attempts, each time getting a little closer to the goal.

This beauty of this game lies in the lovely artwork and simplicity of the controls. It takes minutes to learn how to play and hours to master.

There is something for everyone in this game, from trying to complete the easy levels to trying to complete the game and then mastering it to speed run or collecting the achievements.

For a student this game is easy to pick up and play a little at a time or waste an entire evening trying to complete the games later levels. For a cheap price this game offers much gameplay for those patient enough to persevere.

If you like this game I also

recommend picking up the Binding of Isaac which is equally simple, beautiful and addictive.

Thomas Was Alone

For fans of Portal 2 or other puzzle and platform games Thomas Was Alone is a great buy. In this game you play as Thomas who is a red rectangle who can jump and fall. Later on you meet some other shapes who each have unique powers and you must successfully use these powers as part of a team to complete the level.

This game has a charming art style and a narrated story which follows you through the games short levels. This game is overall not very long but will keep you entertained as you replay through the story to find hidden extras. The later levels also provide a challenge in either platforming ability or puzzle solving.

Again, like Super Meat Boy, this game can be picked up and played level by level meaning it can fit into your busy student schedule.

Limbo

For me Limbo is the ultimate puzzle game. The game takes place in a very scenic black and white forest in which you play a young boy searching

for his sister. The game has very few controls (jumping, running, pulling and pushing items) but the game manages to use these in a lot of creative ways which makes the later game challenging. The very minimalist calm atmosphere together with a few shocks makes the game border on horror, but at its heart it's a puzzle game.

The game is quite long when you first play it due to the challenging nature of the puzzles but you will want to play through it again and again. This game offers a variety of hidden items, a hidden level and the very challenging achievement of playing through it in 5 or less deaths. This makes the game very replayable. I have reviewed this game already so check out that review for more details.

For fans of horror check out the free and terrifying Slenderman- The Eight Pages.

Fez

This is another game I have reviewed in the past but it definitely deserves a mention here. Fez is another puzzle-platformer that appeals to me as a mathematics student. The game, possibly inspired by Edwin Abbot's

Flatland, is all about manipulating the third dimension. Fez takes place in a 2-D world in which you play as the character Gomez who is bestowed with a Fez. The Fez enables our hero to rotate the world by 90 degrees ($\pi/2$ radians). Traversing the world will require platforming skills in the 2-D world and puzzle solving in the third dimension.

The goal of the game is to collect cubes which come in the completed form and also in the form of small cubies that make up the big cubes. I absolutely loved the PC version but the game has recently seen a revival for me in the form of the PSVita version.

If you have some money to spend the Vita is a great student gaming tool and you can play all the games in this list except Super Meat Boy on it. Otherwise all the games are Pavailable on Steam. With the Vita also comes Playstation plus which gives you free games each month and is actually where I reacquired Fez.

The free games are usually quite good and the subscription covers all consoles meaning you will rack up some great games to play on your larger Playstation devices when you get home.

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Music

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Music Editors || Grace Rahman & Amna Askari

Bestival 2014: Desert Island Disco

William Stocker reviews this summer festival favourite

Bestival is full of wonders and delights that many try to copy but most fail to emulate. Curated by **DJ Rob da Bank**, and set in the hills of the Isle of Wight, it is simply a giant playground for overgrown kids, with a balloon-stuffed tent for playing in, a giant Wishing Tree for climbing, and an inflatable church to get married in. It simply has to be seen to be believed and even in my fourth year of going, the numerous wonders dotted around Robin Hill Country Park never fail to delight.

The theme for this year's fest was Desert Island Disco and the partygoers didn't disappoint with disco balls, leggings and neon in abundance.

Music started on the Thursday evening with weary festival goers having made the trip from the mainland across the Solent on a fleet of ferries to the island, rejuvenated by the buzz and excitement of the few days ahead.

The highlight of the first night was surely **Jackmaster & Oneman** on the unbelievable Red Bull stage new to the festival for this year kicking the weekend off in style.

On Friday the ever popular **Disclosure** whose achievements seem to be going from strength to strength were joined on stage by surprise acts **Eliza Doolittle** and **Sam Smith** wowed the crowd with their energetic set and massive anthems including 'White Noise' and 'You and Me'. **Outkast** were the most questionable headliner of the weekend with the whole crowd waiting for the hits and seemingly humming and swaying

"It is simply a giant playground for overgrown kids."



Bestival is held over on the Isle of Wight. Photo: Wikipedia/IncredibleHunk

along, whilst waiting for without doubt their one banger 'Hey-Ya' that brought hysteria amongst remaining crowd and didn't disappoint.

Saturday's disco theme was truly embraced by **Sophie Ellis-Bexter** who entertained the main stage crowd in the daytime sun. The set started off quite slow with SEB pushing her new album *Wanderlust* but she didn't disappoint later on and after her swift wardrobe change into a hula skirt and gold swim suit number out came the classics, with 'Murder on the Dancefloor' receiving one of the

"Bestival was the perfect close to a great musical summer."

largest cheers of the weekend.

Sunday at Bestival was brought to a close by **Chic** featuring an emotional **Nile Rodgers**, and their utterly magnificent Desert Island Disco finale set. Emotional and predictably next level, it was brimming with a pantheon of the greatest hits that have benefitted from Nile's golden touch, brought to a close under the world's largest disco ball (10.33m in diameter) and a beautiful set of fireworks.

A personal highlight of mine was the surprise gig by a small band

previously unknown to me, **AW n-Bomb**. Lead by a mesmerizing female vocalist who wowed a tiny crowd in and around *The Port* on the Saturday night - this unknown act that I stumbled upon caused utter euphoria amongst a small group of festival-goers and is again one of the great wonders which will no doubt force me back to the island for another year of Bestival fun.

For me Bestival was the perfect close to a great musical summer and I cannot wait for the 12th instalment next year.

Our Top 5 alternative nights out in London

GRACE RAHMAN
MUSIC EDITOR

For when the thought of another evening negotiating the sticky corridors of *Piccadilly Institute* is enough to turn your stomach. The prices below rely on you flashing that Imperial student card. Flash away.

Wednesday/Fridays/Saturdays @ *Notting Hill Arts Club* - This trendy West London spot is so close to South Kensington, it'd be rude not to. Tucked under a Mexican restaurant on the high street, the line that marks its entrance is usually just for show and moves pretty quickly. This place has a cosy, house-party vibe but a London superclub it ain't.

Wednesdays attract an arty student crowd, and there are often live acts, so it's worth checking the website beforehand (Notting Hill Gate £8).

Itchy Feet @ Concrete/Proud - This long established night graces university towns up and down the country and is famed for its no frills approach. If the prospect of endless David Guetta doesn't get your engine going, the Itchy Feet DJs promise ska, swing and rock n roll all night. Go to the weekly night in Camden or the monthly big daddy event in Shoreditch (**Concrete - Shoreditch High Street** £7 adv/ **Proud Camden Town** £6 adv).

Whirl-y-gig @ Crucifix Lane - Not for the faint-hearted, this monthly night has been going for years and

always has an army of loyal ravers in attendance. For this reason, it's worth booking online to avoid the mammoth queue that starts forming at ten o'clock. But it's worth it. Expect hours of sweaty dancing to friendly D&B and psychedelic trance, 2am epiphanies and friends for life. We appreciate this sounds awful but, bathed in that much trippy lighting, it all kind of makes sense (*London Bridge* £12 otd / £16 adv).

Club NME @ KOKO - Often a chance to catch the latest NME darlings before they make it big (**Kaiser Chiefs**, of all people, opened it back in 2004).

This student-filled affair is often messy and always packed. When the band finishes sing-a-long indie



Do not worry, there is a world beyond Metric; if you dare seek it. Photo: Imperial College Union

plays and hipsters go on the pull (*Mornington Crescent* £4).

Regression Sessions - If you find yourself mourning the lack of bouncy castles and face paint down at Boujis, this party might be right up your street. Usually at *Electrowerkz* in Islington, with its kitsch decor and

hollowed out tube train bar, these folks pride themselves on their combination of good music and student-friendly novelties to ease the socialising. A fun night serving a younger crowd, regression sessions never disappoints (*Angel* £5 early release).

Film

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Film Editors || Ellen Mathieson, John Park, and Jack Steadman

On the Horizon: Autumn 2014

Jack Steadman gets excited about the best upcoming films

Summer is over. So ends the onslaught of big summer blockbusters – an onslaught that's seen the likes of *Guardians of the Galaxy*, possibly the year's most entertaining film so far, but an onslaught nonetheless.

As the next season of films approaches, the time to start throwing around phrases like 'Oscar nomination' in relation to almost any film that bears even a passing semblance of quality creeps ever nearer. The Autumn and Winter of 2014 hold a glut of big names, including more than a few genuine – yes, already – contenders for the big prizes come awards season. Cue montage!

Apparently I can't do montages in print. That's disappointing. Cue excited list of big releases!

GONE GIRL

3rd October
The first film should already be out by the time you read this, but consider that a bonus – it means this list has already begun. The quality

films are already here. Directed by twisted genius David Fincher, adapted from the novel by the actual author Gillian Flynn, and starring future man in a bat costume Ben Affleck alongside Rosamund Pike as the eponymous 'girl', *Gone Girl* oozes potential. And if the whirlwind of positive reviews are anything to go by – it delivers. Dark, brooding, and a brutally insightful demolition of married life – it's got Fincher written all over it. Alongside the words 'Must See'.

THE MAZE RUNNER

10th October
Part of me contemplated leaving *The Maze Runner* off this list, what with it being yet another YA adaptation. Then the other part of me pointed to its strong cast, enticing trailer, and the good-kind-of-mixed (from 'good' to 'great') reviews that seem to suggest the film manages to pull off its premise while dodging the problem that befell the likes of *Divergent* (couldn't distinguish itself

"Dark, brooding, and a brutally insightful demolition of married life"



Film

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from *The Hunger Games*, or *The Host/Mortal Instruments*/any other YA adap you care to name (almost universally hurriedly put together without much attention to quality). Worth a look, it seems.

NIGHTCRAWLER

31st October
There's a line of comparison to be drawn between Travis Bickle and Lou Bloom, the amoral protagonist of *Nightcrawler*, the latest flick from Dan Gilroy. It's a line that can mostly be illustrated with psychopathic tendencies, but if the early buzz suggests anything it's that it can also be illustrated with the strength of the performance. Already being touted as Jake Gyllenhaal's finest performance – he even lost 20lb for it, which (as Christian Bale will surely tell you) always gets the awards panel going – there's a lot to recommend *Nightcrawler*, not least the apparent strength of its laceration of modern media.

INTERSTELLAR

7th November
It's at this point I actually stopped writing to go and check if tickets for *Interstellar* were actually on sale yet (they weren't). To say there's a lot of hype about this film would be an understatement – and yet, as ever with Christopher Nolan films, we know almost nothing about it. Yes, it

involves space travel, yes, it involves wormholes, and yes it stars Matthew McConaughey on his continued astronomical (that wasn't originally a pun, I promise) career renaissance. That much I can definitely tell you. As more information slowly leaks out, *Interstellar* looks ever more promising – but really, it's almost better not knowing. Trust in Chris Nolan, buy your ticket as soon as they're on sale, and look forward to what may well be the film of the year. And hopefully – hopefully – the film that finally sees Nolan get the Academy recognition he deserves.

THE IMITATION GAME

14th November
Benedict Cumberbatch playing Alan Turing. It's okay, I can see you're sold already. An immensely talented cast (Cumberbatch, Keira Knightley – don't make snide remarks, she can act and you know it, Mark Strong, Charles Dance) are set to bring the tale of Alan Turing, the man who helped save a country that later persecuted him for his sexuality, to the big screen. And it is set to be incredible.

THE HUNGER GAMES

MOCKINGJAY PART 1
20th November
I couldn't go and put a YA adap in this list and then neglect to include the YA adap, could I? Especially not

when *The Hunger Games* continues to earn its wings – the second entry was an even better film than the first, despite fears that is much faster turn-around could prove harmful to quality. The third film – following the now traditional trope of splitting the final book into two parts – looks likely to continue that upward trend, with the likes of Julianne Moore and Natalie Dormer joining the cast, as well as all the returning big names that were already in the series. Including, of course, the late, great Philip Seymour Hoffman. For that alone, this is unmissable. Throw in everything else this film has going for it – only *Interstellar* can possibly promise more.

THE HOBBIT BATTLE OF THE FIVE ARMIES

12th December
The arrival of December sees the final entry in the *Lord of the Rings/The Hobbit* series, despite almost everyone ever's reservations about turning a single children's book into three films. Despite that, Peter Jackson and co have mostly managed to pull things off with aplomb, with last year's *The Desolation of Smaug* a far stronger entry than its predecessor, featuring a show-stealing turn from Benedict Cumberbatch as the eponymous dragon. General *Hobbit* film fatigue might make this final film look less tempting

(the trailer certainly felt weirdly... unappealing), but the series still holds an undeniable draw.

OTHER FILMS THAT ARE ALSO PROBABLY AMAZING

If you like your horrors, *The Babadook* (24th October) is apparently a good bet, with a combination of its well-handled aesthetic and a terrifying new creation in the eponymous Babadook combining in what may be this year's best example of the genre. Those longing for something less scary might want to check out *The Judge* (17 October), a rare serious outing for Robert Downey Jr about an attorney who has to defend his judge father in a hit-and-run case.

Anyone looking for something more action-orientated can head over to David Ayer's big-name cast in *Fury* (22 October), his WWII tank epic, while those looking for something even quieter should be flocking to Mike Leigh's *Mr Turner* (31st October), a biopic of the great painter starring the ever-excellent Timothy Spall at his most excellent.

Having just looked back at all of those dates – October is a busy month. Be excited.

"a rare serious outing for Robert Downey Jr"



This Week at Imperial Cinema

JACK STEADMAN CINEMA CHAIR

Oh London, whilst you are amazing and exciting and filled with lots of things to do, attempting to enjoy said things on a meagre student budget is not the best. Take the cinema for example; it's not uncommon to spend more than a tenner on a film without factoring in popcorn, a drink and the cost of the tube. So what's the solution? Unlike a lot of universities, Imperial actually has its own cinema.

We are committed to bringing you the latest releases at bargain prices and if we do say so ourselves, our cinema screen happens to be one of the biggest in London! As a Freshers week special, we're showing two sequels: *How to Train your Dragon 2* and *X-Men: Days of Future Past* and we're even giving away free ice cream to viewers because we're nice like that. See you there!

How to Train Your Dragon 2

Director: Dean DeBlois
Screenplay: Dean DeBlois
Cast: Jay Baruchel, Cate Blanchett, Gerard Butler, Kit Harrington, Djimon Hounsou
Based on a book series by Cressida Cowell

Journey back to Berk, where Vikings and dragons are now living in harmony, five years after the war of the first film. A restless Hiccup, unwilling to rise to the role of chieftain his father insists on promoting him to

explores the boundaries of the known world, until he discovers destruction – and angry dragon-hunters. From them, he learns of a new foe, one who threatens to take away everything the people of Berk hold dear. A man who can command the loyalty of dragons... *Tuesday 7th - 18:30, Thursday 9th - 21:15*

X-Men: Days of Future Past

Director: Bryan Singer
Screenplay: Simon Kinberg
Cast: Hugh Jackman, James McAvoy, Michael Fassbender, Jennifer Lawrence, Peter Dinklage, Ian McKellan, Patrick Stewart
Based on a story by Jane Goldman, Simon Kinberg and Matthew Vaughn

The X-Men series combines the original trilogy with the *First Class* prequel in spectacular fashion, as the two timelines (and casts) crash together in a desperate attempt to prevent the extinction of all mutants. Wolverine must journey back from an apocalyptic future and prevent the assassination that started it all. To do it, he'll need a little help from some familiar faces – and some new ones. *Tuesday 7th - 20:45, Thursday 9th - 18:30*

Tickets: Single films are £3 members/ £4 Non-members. Double Bills are £5 Members/ £7 Non-members. All tickets come with free ice-cream.

Find us at our freshers stall in Beit Quad or check out the union website for more info on cinema membership.

Need a cinema? Look no further...

ELLEN MATHIESON SECTION EDITOR

Whether you're a Fresher who has just moved to London, or an experienced final year who can barely remember what that felt like, you are still reading the film section of Felix and that means that you probably have a bit of interest in films. So where are the best places to see all the latest cinema releases in London? Read on to find out!

Firstly you've got your pretty standard places. For those staying in Evelyn Gardens, you have the **Fulham Road Cineworld** just around the corner, probably less than a minute away and the place that I spent far too much time in in first year. It's one of two Cineworlds in the area, and tends to show the more blockbuster-y releases. If you prefer more unusual films, check out the **Chelsea Cineworld** on Kings Road, which is only ten minutes away from the Evelyn Gardens halls. For those in halls nearer to campus, you have the **High Street Kensington Odeon**, only a twenty minute walk to the west of College.

If this isn't enough for you, then it all depends on what you are look-

ing for in a film. If you are a massive film nerd, then make sure that you check out some of the places in Leicester Square. Packed with massive cinemas equipped with the largest screens you'll find in the country, this is where almost all of the UK film premieres happen. Keep an eye on premiere dates and get down early enough and you could find yourself seeing (or maybe even getting things signed by if you're super keen and early) the likes of Jennifer Lawrence or Emma Watson, or whoever your current film crush is. In terms of actual cinemas, you've got the enormous **Odeon** which tends to host most of those premieres I mentioned, as well as a ton of smaller ones close by that show everything from your massive blockbusters to tiny artsy films that you've never even heard of. You've also got the **Empire**, which used to have the largest screen in Europe before they decided to cut it in half. Visiting any of these cinemas is an amazing experience so definitely try to make your way there at least once.

If you're still on the search for a stupidly, amazingly enormous screen, then the **BFI IMAX** is the place for you. It's situated five minutes from Waterloo station, a quick tube ride

from South Ken. With a screen that's twenty metres in length and twenty six metres wide, this is now the largest screen in Britain. In addition to this, they've got the Nolan Batman trilogy on 70mm (the standard IMAX film print size), which they tend to do showings of about once a term. This is definitely the place to see your big sci-fi films like *Gravity* and the upcoming *Interstellar*.

If you are more of the sort of person who goes out of their way to watch any film people dub 'so bad it's good', then the **Prince Charles Cinema** is probably the right place for you to be. Once again it's located in the centre of London, very close to Leicester Square. With frequent showings of such classics as the *Rocky Horror Picture Show* and *The Room*, if you want to get your fish net tights or your spoons out then this might be the cinema for you. If you think that you are too serious for that sort of film, then they also show many cult classics and do film marathons of all your favourites including *Star Wars*, *Lord of the Rings*, and Nolan's *Batman* trilogy. Name a film series and they'll probably marathon it at some point.

If you're coming across from Asia (or love Asian cinema) and are worried about missing all your local film

releases back home, then check out the **Asia Centre**. Found in West London, they have a dedicated cinema on site, and frequently host the UK premiere of many Eastern films during the Pan-Asian film festival that they hold each year. It's a great event and a great chance to see films that might otherwise pass you by.

If you're a total cinema tech geek, or looking for a more indulgent experience, head down to the **Olympic Cinema** in Barnes. It's one of the only places in the country that you can find Dolby Atmos, a sound system that consists of shoving a ton of speakers in the ceiling which means that the film's audio moves across

the room, effectively creating '3D sound'. In addition to this, you've got squashy reclining seats; foot rests for the front seats; plenty of gratuitous curtain usage, and sofas for cuddling – making it perfect for a date night.

And finally, if you're dying to catch the releases that you missed in their initial cinema run, then don't forget our very own **Imperial Cinema** (which I may or may not be involved in running), which shows films a little while after the commercial cinemas for a fraction of the price. Found on the second floor of the Union building, it's also one of those rare cinemas that lets you buy a pint in the bar and enjoy it whilst you watch the film.



The BFI IMAX is near Waterloo Station. Photo: Imperial Cinema

Food

food.felix@imperial.ac.uk

Editors || Carol Ann Cheah and Michael Chung

Freshers' Gut Preservation Guide

It's easy to stay fed without breaking the bank

You'll probably find that in the first week, most of your meals will come from all the fresher events you'll be attending (hall Chinatown dinners, pizza nights, etc.), as well as nibbles from CSP taster sessions. Between all the long 'getting to know you' chats you'll be having with the cute dude/dudette across your hallway and the parties you'll have to hit, there's not going to be much time to prep for cooked meals (if I had a pound for each heart attack my peers had when they checked their bank balances post-Freshers' Week! A fair bit of it wasn't spent on alcohol, mind you).

Freshers' Flu does strike a lot easier when your immune system isn't bolstered enough with proper nutrition, though. So, to prevent the Flu putting an early damper on your Freshers' Week celebrations, we've got a few quick and dirty suggestions for getting by.

Eat breakfast and smaller meals more regularly

It's the least you can do, even if it's light. Even if it's just a PB and J sandwich, cereal (bars) or instant porridge. Sometimes, in all the excitement, you go for long periods without eating (and before you know it, it's 3pm and you haven't lunched/it's been 8-10 hours since your last meal) and not eating breakfast extends this wait period. This wreaks havoc on your stomach linings and all that jazz in the long run - no one wants to have to contend with severe pains in the middle of exams. Do yourself a favour; your metabolism and stomach lining will thank you.

(Healthy) snacking is your friend

Sort of an elaboration to the tip

above: a bag of apples/easy peelers/ bananas (for the week), or a pot of make-your-own-granola (see Michelle's super easy and yummy recipe overleaf) - something you can easily chuck in your bag and bring out with you should do the trick.

Make an event out of it

Cooking for yourself - by yourself - is almost always a drag for a fair few. I find that even when I'm the only one doing the prep/cooking for a given meal, I tend to enjoy it more if I'm going to be sharing the meal with someone other than myself. If you find yourself staying in one night with a few others because you're tired or there isn't anything of interest on, why not club together and try making an easy crowd-pleaser recipe with said friends? Pool together equipment and money for ingredients - it's a great way to break the ice. It's also a very good excuse to try out certain cuisines you've never had the chance to sample. I can remember at least two examples of friends from other halls having me 'teach' them the art of Chinese cuisine/stir-fried veggies and rice. Also, things like roast dinners may be overkill if you're going solo, but make it a group of 4 or even 2 and it starts to get more practical. Food really tastes better when it's shared - try the easy cheesecake recipe submitted by Rafael for a start.

Drink up

Yeah, no doubt you'll be doing just that most nights with all the balls going on. But in this instance I'm referring to water. It's very easy to forget, especially when the weather gets cooler, but being sufficiently hydrated will go a long way in keeping your energy levels up (for all



You don't have to go to Lidl or Aldi to eat well on a student budget; you can easily stretch your wallet anywhere. Photo: MMMich

"Food tastes better when it's shared - try the easy cheesecake recipe submitted by Rafael for a start"

the events) and your health in check.

Bargain hunt (with mates)

You'll want to do this with your food shop when you finally have time. Extreme couponing may only be a thing in America, and not being part of the NUS means we don't get certain perks...but that Imperial College card does net you quite a few bargains, and some of the local businesses near us only offer Imperial-ID-exclusive savings. Try going in twos when food shopping as you'll be able to make use of savings on BOGOF (Buy One Get One Free) or similar offers - without ending up with too much food. We're also suckers for signing up to Amazon Local and Opentable mailers to keep an eye out for offers on dining out - you can get some ridiculously cheap deals on afternoon teas at posh London hotels, for instance (perfect for impressing the folks on a visit!).

Welcome to the Felix Food Kitchen! Here's whats cooking...

CAROL ANN CHEAH
FOOD EDITOR

If you're a fresher (both UG and PG), welcome to Imperial and the first issue of Felix for the year; if you're a returning student, welcome back! I'm Caz and I'm your Felix Food Hostess. As far as foodie experiences and biases go, mine's an eclectic mix: I'm a wannabe 'bartista' (bartender-barista), a major sucker for Chinese and Japanese cuisine, a former cocktail waitress and a current burger-takeaway prep bunny. I'll try eating anything at least once, though. Oh, and as a recovering depressive, I'm a living example of how food makes/breaks your mood and assists recovery. Yes, I have cheat days and bad student food habits like everyone; yes, I'm still learning!

I digress. The fact we're based in cosmopolitan London means we've got relatively easy access to all sorts of foodie perks: be it a new restaurant, café or shop to discover; exciting deals to find, markets to browse, or food festivals to attend. The capital (and Tfl) makes it easy to swing between a variety of cuisine styles from all around the world, whether you're eating it in restaurants or looking for ingredients to make it yourself. Indian one night, Thai another, Italian after that - wherever your mood takes you! Also given our nerdy/geeky natures, there's always a new time/space/money-saving foodie hack to develop in-between problem sets.

As it's the start of the academic year, you might be preoccupied with all the free food and activities on offer to start a cooking/shopping routine, so we'll let you off the hook this week! Over the year, expect to see reader-contributed recipes, Imperialite-tested tips and hacks, ingredient/place reviews, serious journalism on food-related happenings (say, advancements in stuff like new GM strains, etc.) and features in the style of The Food Lab on Serious Eats (amongst other things). As with all things food, your mileage and palate may vary, so feel free to take our advice as gospel truth or with a pinch of salt (pun intended).

If you've got any ideas/recipes to share, a lead on a great little place to review, or just want an excuse to see me break out some fancy coffee gadgets, drop food.felix@imperial.ac.uk an email and we'll take it from there.

Grab yourself a delicious discount!

CAROL ANN CHEAH
FOOD EDITOR

Here's a quick-fire list of studenty food and drink related offers to start you guys off (disclaimer: none of these are sponsored)

Wafflemeister:

Within sniffing distance of South Ken station - closest to actual Belgian waffles that you can get without a hall-organized Bruges trip. Founded by an Imperial Business School alum-nus! 15% off when you present your College ID.

Pact Coffee:

Subscription specialty coffee service, delivers weekly/fortnightly (longer intervals available upon request). Free next day delivery, sent within a week of roasting, pre-ground (for your brew method of choice, if you don't grind your own) moments before sending. Super-fresh and no-quibble refund policy for any dodgy bags that weren't your cup of tea! First bag only £1 with coupon code IMPERIALCOLLEGEVIP at pactcoffee.com.

Snog:

Casual date/snack place, or just go there and giggle at the cheesy

"Super-fresh and no-quibble refund policy for any dodgy bags that weren't your cup of tea"

punnery. Free upgrade to a 'Classic' sized Snog if you purchase a 'Little' list into the free app and it'll compare your total shop across supermarkets, highlight new offers/cashback etc.

Krispy Kreme:

Get a free original glazed donut/doughnut when you sign up to their Friends of Krispy Kreme newsletter. Bag even more for free when you get your friends to do the same via your referral link (provided at the end of your sign-up process.)

mySuperList:

Provided by the savvy folks at my-

"It'll compare your total shop across supermarkets, highlight new offers/cashback etc.."

Supermarket. Not an offer, strictly speaking, but key in your shopping list into the free app and it'll compare your total shop across supermarkets, highlight new offers/cashback etc.



Food

food.felix@imperial.ac.uk

Editors || Carol Ann Cheah and Michael Chung

Easy Peasy Cheesecake Recipe

Everybody loves a cheesecake. Rafael T. Sánchez has a great recipe.

Felix Food says: "We were actually deliriously happy when we saw Rafa's pics of this cake, both in mini and sharing versions. They look pretty and yummy enough to be a crowd-pleaser, yet aren't so ridiculously complex that they'll discourage first-time student bakers with long cooking times or tough methods and of course, the proof is in the pudding's taste.

Feel free to experiment with scaling batch sizes, changing flavorings/fruits, or using unique cake tins/molds. Perfect 'procrastibaking' project for lazy weekends; best done with that cutie down the corridor from you."

Ingredients:

- 200g plain digestive biscuits (any brand, no chocolate/caramel/anything)
- 225g sugar, plus 40g for base (approx. 3 tbsps)
- 80g unsalted butter
- 900g Philadelphia Cream Cheese (or any other plain cream cheese)
- 4 eggs (medium to large)
- 1tbsp lemon juice (substitute with 1tsp vanilla extract if you don't like lemon)

Optional topping:

- 500g strawberries (or other fruits and berries)
- 25g sugar (around 2 tbsps)

Method:

Base:
Preheat the oven to 160°C. Carefully place the biscuits inside a ziploc bag, seal well and crush them with a rolling pin/kitchen hammer/bottom of a pan until they are evenly reduced

to fine crumbs.

Melt the butter, add 40 grams of sugar and thoroughly mix with the biscuit crumbs. Press mixture onto the bottom of a cake tin* to form the biscuit base. Cool in the fridge for 40 minutes.

Mix the cream cheese with 225 grams of sugar and the lemon juice. Then slowly add in the eggs, one at a time, until the mixture is even. Pour it over the cooled crust.

Place in a preheated oven and bake for 50 minutes, or until the surface is set and no longer soft.

Once cooled, put in the fridge for 3 to 4 hours. It's all ready to eat!

Topping:

Save a third of the nicer-looking strawberries to decorate the top. Hull (remove the green bit) and chop the rest of the strawberries, then blend with 25 grams of sugar and a large spoonful of water.

Sieve the blend and pour it over the cheesecake. Slice the remaining strawberries and decorate the cake!

If you're feeling fancy:

You can make individual cheesecakes! Just follow the same recipe - but use little glass ramekins instead of a big cake tin (you can recycle the ramekins when you buy puddings like Gû pots in the supermarket.)

*If you don't have a cake tin, you can use two disposable aluminium baking pans. Split the crumbs and the mixture in two, putting one half in each pan - instead of one traditional cheesecake you'll get two much lighter cakes.

Do watch out, they cook much faster this way!



"Perfect 'procrasti-baking' project for lazy weekends; best done with that cutie down the corridor from you."

Homemade snacking granola

MICHELLE TAN
FOOD WRITER

Mich is a sucker for balanced eating on a budget, scouting for health-y-eating cafes and wandering around supermarket aisles/market stalls to relax. This recipe also leaves plenty of room for customization - you can add your favorite fruit/nuts, include dark chocolate pieces, adjust sugar content to suit your palate, etc (I for one tend to leave my raisins/ sultanas whole instead of chopped.)

It provides a sustained energy source that beats the sugar crashes you get from other snacks - perfect for keeping up

your concentration during long hours in the lecture hall. And of course, making a huge batch works out cheaper without all the nasty extras in most shop-bought granola.

Makes 2 cups:

- 3 tablespoons packed light brown sugar
- 3 cups rolled oats (not instant)
- 1/2 teaspoon ground cinnamon
- 1/4 teaspoon kosher salt
- 1/3 cup honey
- 1 teaspoon vanilla extract
- 1/2 cup finely diced dried fruit
- 1/2 cup coarsely chopped nuts or seeds (either raw or toasted)

Heat the oven to 150°C and place a rack in the centre. Place the oats, brown sugar, cinnamon, and salt in a large bowl and stir to combine; set aside. Combine honey, oil, and vanilla in a small bowl and stir well. Pour over the oat mixture and mix until the oats are thoroughly coated.

Line a baking sheet with parchment and tip out the granola mixture. Spread into a donut shape to ensure that all the oats bake evenly.

Place in centre of oven on prepared rack and bake for 15 minutes, and then rotate the tray. Continue baking until the granola is very light golden brown (takes anywhere from 5-15

minutes)

Place the baking sheet on a wire rack and cool the granola to room temperature. Once thoroughly cool, break into small pieces. Store in an airtight container for up to 2 weeks. Serve with yogurt and fresh fruit for a scrummy treat at breakfast, or as a snack in-between meals.

Protip: I've found that buying oats, nuts and seeds in bulk is the cheapest option - you can find all the ingredients at the huge Whole Foods Market on High Street Kensington. At times when work gets me down, I find it therapeutic to just meander

the supermarket aisles, forgetting about the mountain of work I have to complete by tomorrow. There's a sense of satisfaction to be felt when I manage to walk out with 5 pounds worth of nuts, seeds, grains and pulses ready to make some fine dish for the night's dinner - or a fresh batch of granola for tomorrow's breakfast."

Cheaper alternatives: If you're concerned about the price, you'll still be able to find everything else in your usual local supermarkets. You won't be able to bulk buy like in WFM, but it's great for experimenting in smaller batches.

Books

books.felix@imperial.ac.uk

Books Editor || Diana Lucaci

How to read books post-Freshers' Week

Diana Lucaci has some tips to make sure you don't stop reading

Fresher's Week marked the end of my bookworm habits. The shockwave of University life knocked me over with distractions: meeting too many new people, learning how to put together something more than a bowl of cereal, and, of course, attending lectures (otherwise known as managing your sleep debt). So in case you struggle saying no to that after-party, here's a little help in saying yes to finishing that Tolstoy instead.

Step 1. How to find non-science related books around campus

Level 5, Central Library: Please don't become one of those students about to graduate who still doesn't know about this sanctuary in the otherwise not-so-sanctuary-like library. (Or that they have a good selection on Dostoyevsky.) With the doors of the library open 24 hours, instead of heading for that kebab to curb your 4am munchies, go and pick up a gothic horror story to read under the full moon.

ICSF Library: Run by the Imperial College Science FRun by the Imperial College Science Fiction and Fantasy Society, this enchanting space holds more than 9400 books, 2200 DVDs and 500 graphic novels. If you're interested in science fiction, fantasy or horror, this is the place to be. During term times, it is officially open every weekday lunchtime from 12:00-14:00, but the pull of the ICSF library is almost always strong enough to trap at least one committee member in the library well after lectures end. To borrow books you need to be an ICSF member, which costs £8 per year.

Step 2. How to meet fellow bookworms around campus

This can be a tricky one, especially meeting practising bookworms. However, your chances will increase immensely if you are a member of the following societies.

Book Club: With monthly meetings, there is plenty of time to read whatever book has been chosen by the current members (by democratic vote). The chosen novels can be bought from the club committee at a reduced price (usually around £2-£5); or, like me, you can try to find them in the Central Library, with occasional success. The books chosen last year were laudable - absorbing, diverse and short enough to be read easily within a month. With membership costing only £3, this was my saviour last year (alas, even reading can be helped by deadlines and peer pressure).

"Freshers' Week marked the end of my bookworm habits."

Science Fiction and Fantasy: I'll say it again: 9400 books, 2200 DVDs and 500 graphic novels. In the Beit Quad. For £8 a year. But if you need any more convincing, join the society for book crawls around London's best SF&F booksellers, regular video showings, cinema outings and an end of the year trip to Hay-on-Wye, a small town in Wales with the greatest density of second hand bookshops per person in the UK. The society also organises Picocon in February, an annual convention showcasing guest authors, book sales, special events and games. Sold?

Step 3. How to take advantage of your new city

By the end of your first week at Imperial, you will become aware of most of the downsides of living in London, such as the cost and size of your accommodation and the state of your wallet after a night's out. However, your awareness of the upsides will not be correlated to the length of time that you live here, but to the amount of time you spend outside of campus. So please, please, get out (and not just to nightclubs - they're overrated and overpriced). To help you, here is a short (and hardly exhaustive!) list of some of the upcoming literary events in London that will hopefully whet your appetite even further for some good old reading.

London Literature Festival: The Southbank hosts a range of events exploring the power of the printed word in changing the world for the better. Featuring double Booker prize winner Hilary Mantel, Stephen Fry, controversial philosopher Slavoj Žižek and prize-winning poets such as Alice Oswald and Kate Tempest, the festival concentrates on the themes of freedom, justice and democracy. So head down to the Southbank Centre for an inspired way to celebrate the power of literature to transform lives. 30 September 2014 - 13 October 2014; Student ticket: £4-£10

Terror and Wonder: The Gothic Imagination: Two hundred rare objects trace 250 years of Gothic tradition at the British Library. Come here to explore an array of delectably dark artefacts: books, such as the handwritten drafts of Frankenstein and Dracula, posters, films and, most importantly, a vampire slaying kit. From Marry Shelley and Bram Stoker to Stanley Kubrick and Alexander McQueen, this exhibition promises to delight fans of the mysterious, the terrifying and the macabre. 3 October 2014 - 20 January 2015; Student ticket: £5



Even the infamous Central Library can satisfy your cravings for fiction. Find a broad selection on Level 5. Photo: Imperial College London

Bookstores: London has a wealth of bookstores ranging from small, specialist shops (such as comics store Gosh! in Bloomsbury) to cater-for-all giants (like Foyles on Charing Cross Road) that regularly hold literary events. Reserve a place online for stand-up shows about books, afternoon signings or discussions about upcoming writers.

Step 4. Write for Felix!

And finally, why not contribute to the Felix Books section? From writing book reviews and author profiles to publishing your own poem or short story, this could be a great incentive to get some interesting reading done. Now get back to finishing that Tolstoy! Now get back to finishing that Tolstoy!

"Cater-for-all giants [...] regularly hold literary events."

Make your mark. With us

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 Joining dates are flexible from August 2014 through 2015

*Arrangements can be made to hold interviews in other countries for candidates leaving the UK

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HANGMAN



hangman@imperial.ac.uk

Diary of a Fresher, aged 18 3/4

Friday 5th October, 2014

Dear Diary,

I'm so scared to start university tomorrow! What if I'm not smart enough to be at the world's 2nd best university? (Woooh Impbridge!!) I only have 5 A-levels. Some people on the Fresher's FB group have 7. Some of them have even been revising for their diagnostic tests we have in the first week. I haven't. OMG...What if I fail? Will they kick me out? I'm going to email my department to make sure. Then post about me emailing my department in the Freshers Group, just so everyone there knows I've emailed my department.

Saturday 6th October, 2014

Dear Diary,

I'm sitting in my new room at Imperial College London and I am so excited! Or, wait... is it called Imperial? Or just ICL? Who knows! Maybe I should ask the people on the fresher's Facebook group. I am currently unpacking, and skypeing my mother just to make sure she got back to Croydon ok. I am also going to skype my new girlfriend later, she keeps missing my calls since she started at Newcastle, I am sure she is just really busy. I'm worried about having a roommate because a) they haven't shown up and 2) I am worried they are going to be cooler than me, as I brought my Spiderman duvet (original artwork) to be cool but now it seems stupid. Tonight is the Mingle at the union, in a bar called Five Hundred and Sixty-Eight. The nightclub is called Metrics loool.

Sunday 7th October, 2014

Dear Diary,

Oh God, I'm so hung-over it is unreal. I reckon I had, maybe 3 whole pints of these purple snakekiss things, and even managed 1 and half Jüingfrau bombs after too! Last night was absolutely mental though, I got so drunk at one point I thought those weird pictures of the people and the triangles were moving. One of them literally produced a triangle out of thin air, maybe someone spiked my drink lol! I am going to have breakfast with people in my corridor later. We did predrinks last night and played never have I ever. Someone said "never have I ever had sex". It was literally the first question. Everyone looked awkward than drank. Then I drank too, even though I haven't. I really think I've bonded with everyone on my corridor. It's only been like one day but it's crazy how quickly friendships form when you live with people so closely, you know? Roommate still hasn't shown up.

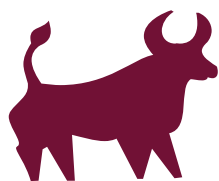
Monday 8th October, 2014

HOROSCOPES



ARIES

This week, your new roommate steals your chicken out of the fridge after a gym sesh, claiming he needs all the protein he can get. You complain to him. He responds, "Do you even lift, bro?" For revenge, in a drink fuelled haze, you ejaculate into his milk. Well he did say he wanted extra protein. CREAMY!



TAURUS

This week at 3am, you put a pizza in the oven. To pass the time you have a danger wank in the kitchen. The post orgasm high sends you to sleep, cock in hand. The burning pizza sets off the fire alarm and wakes you and the entire hall up; no friends for you. You spend the next 3 years in the social exclusion of the Felix Office.



GEMINI

This week, you are seen on the Union TV screens drawing triangles in the air. You realise that as DPW, you look the most idiotic, by far. You slope off to 568 to drown your sorrows. You end up drunk ranting about how left the Tory party has shifted. Bloody poor people.



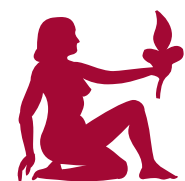
CANCER

This week, you pull a random guy in Tiger Tiger. You go back to hers. After a night of subpar, vomit fuelled love making, you never expect to see him again. That is until you realise he is your lab partner. You spend the next three years making awkward eye contact over the Bunsen burner.



LEO

This week you are halfway through Freshers and you are already bored of standing in circles around the one girl in Metric. So you decide to head to Shop Extra for a little...'Extra'. Instead you end up with blue balls and a student priced Twirl up your arse. You spend the rest of the night in A&E.



VIRGO

This week you wake up naked in a halls that you don't recognise. You stumble around trying to collect your clothes and piece together exactly what happened last night. Perhaps as the new President of Imperial College you shouldn't have partied quite so hard with the Freshers.



LIBRA

This week you move into halls, bringing all your precious belongings with you, especially Mr Flopsy, the bunny rabbit toy your granny gave you when you were born. Everything is going well until you return to your room in the middle of the night to find your room-mate balls deep in Mr Flopsy. You shrug and join in. Poor Mr Flopsy.



SCORPIO

This week you show up on campus dressed in full Star Wars Stormtrooper regalia. When everyone starts laughing at you, you realise that it's not that kind of Imperial College. You fire your blaster at them. Unsurprisingly, you miss. You cry, march off to the West Basement to join the other Sci-Fi nerds.



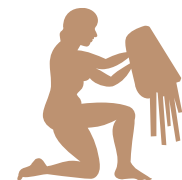
SAGITTARIUS

This week during Freshers Fair, in an arcane corner of the Union you find a society whose members are all hooded figures chanting in an ominous, unknowable tongue. It seems fun, so you decide to join in. Unfortunately you being there has tipped the balance, and once again Imperial College Necronomicon Society has managed to summon Cthulu.



CAPRICORN

This week, you meet the girl of your dreams in Tiger Tiger. You go back to hers. It gets better. She vomts on your dick and fulfils your vomit fetish. You scoop up some sick and leave, hoping to see her again soon. Your dreams are realised when you find she's your lab partner. You spend the next 3 years swooning over her, smelling the saved sick.



AQUARIUS

This week you realise that you're now the Ex-President of the Union. You miss all the bureaucracy of the Union so decided to go around consulting people about whether they want to be consulted or not about the consultation framework. The general consensus is that no one gives a fuck! #consultation



PISCES

This week, you finally fulfil your destiny. After reading a horoscope in the Metro months ago that inspired you to come to Imperial, you are finally here. What is this? An Imperial College student reading such unscientific drivel like horoscopes. What are you? A Medic? Disgusting!!

Clubs and Societies

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C & S Editor | VACANT

Engineers Without Borders UK

Marcus Bishop discusses the opportunities for EWB volunteers

Many people in our world face severe challenges even just to live. Engineers Without Borders UK is a charitable organisation that believes that access to engineering and technical know-how can help overcome many of these challenges.

Our work aims to demonstrate the link between engineering and humanity, a connection which is often neglected in our education and in practice.

EWB Imperial, a branch of EWB UK, is a well-established society providing opportunities for Imperial students, local school children and our international partners. We are a gathering of environmentally and socially conscious engineers and non-engineers, engaging in meaningful projects which create Massive Small Change both locally and abroad. The mission is simply to empower human development through engineering.

EWB members have established

many successful projects, most notably Raincatcher Imperial - a group focussing on water provision for poor communities in Tanzania, and now a charity in its own right. In London, EWB Imperial Outreach works with local school groups to help inspire the next generation of engineers through hands-on workshops designed and delivered by Outreach volunteers. This year we hope to double the number of opportunities to local students, focussing particularly on engaging children from disadvantaged backgrounds. Volunteers involved in Outreach find it a rewarding experience, and a platform for enhancing group management and event planning abilities.

In September 2013, EWB Imperial Partnership with SIBAT, an alternative technology charity in the Philippines. A research trip to three

isolated rainforest villages in the North of the country exposed a rare insight into the difficult lives of the Nabuangan people.

EWB is now connecting engineering talent at Imperial to the daily problems faced by many living in rural Philippines, and just 12 months, on a shoestring budget, our design team has developed a system for managing power in Nabuangan Hydropower schemes.

The next phase is to further improve the technology to ensure that it can survive in the humid rainforest climate, before installing the system during Summer 2015.

The design team is open to enthusiastic and motivated students from all disciplines, and offers a unique chance to contribute from drawing board through to application in the field.

Our thoughts go out to the thousands in the main Island of Luzon, who have recently weathered Typhoon Kalmaegi. The severity and frequency of Typhoons hitting the Philippines has been trending up in the last decade, and the repeated devastation to the poorest in society is a serious concern for the future. EWB is incubating many alternative technology projects related to typhoon survival systems, ready for multi-disciplinary teams to explore the problems faced on a local scale, and engineer innovative, low cost solutions.

The challenges faced during



Nabuangan Valley, Luzon, Philippines. EWB Imperial is working with communities in this region. Photo: Engineers Without Borders

International Development projects are quite different from any you might experience on your course. One must observe, interact and consult with all the local stakeholders to gain a complete understanding of the barriers to development. Many engineers are able to work through the technical aspects of a project, but only a handful have the range of skills necessary to overcome linguistic, political and practical obstacles and create positive change.

EWB Imperial is running a series of scenario-based workshops called

"Leadership for Development" (LfD). These sessions are given by experienced researchers and professional engineers, to help you acquire the tools to finance, plan and deliver a successful overseas project.

We want to see a world without poverty and without barriers to human development - where everyone can meet their basic needs, can live in dignity, can create and can flourish. No matter your area of expertise or your career plan, you can contribute to building a sustainable and fair future for others.



You can get in touch with the Engineers Without Borders society via email at guilds.ewb@imperial.ac.uk. Photo: Engineers Without Borders

Tackling global challenges with e.quinox

VISHESH PUSTAKE
WRITER

It is not often that one has the opportunity to actually feel like you are making a difference. Too often instead the vast nature of global challenges seems to nullify our efforts. Nevertheless, for ten Imperial College students this summer having a role in combating poverty seemed like a very vivid reality. Rather than looking for the ever sought after summer internship, these students decided to head off to Rwanda. Together with the rest of the e.quinox team, they are trying to bring cheap electricity to rural communities across the world.

A lack of electricity might not

seem like a problem for a family earning less than £1 a day, but this is a common misconception. Access to affordable electricity has been shown to have a positive impact on health, education, and is a primary necessity for local business to flourish. These families spend a significant amount of their earnings on kerosene, candles and phone recharges. Kerosene in particular is expensive, polluting, unsafe and unhealthy. A clean electrical light source allows families to safely study or work even after the sun has set.

To this date, e.quinox's focus has been to provide access to clean lighting. This summer for the first time the feasibility of a larger scale project is being tested. Building on the hydroelectric plant constructed

in the summer of 2012, the team is assessing the possibility of building a micro-grid in a nearby village. The idea is to combine the power generated by the hydro plant with solar home systems (SHS), which use solar panels and batteries to generate and store electricity. This would allow connected customers to be both consumers and producers of electricity. If successful, this would be the first example of a micro-grid, which grows in size and stability as more customers join it.

In order to do so, the team in Rwanda is now surveying a possible route for the transmission line, carrying out geotechnical and structural investigations, and collecting data on the business case for it.

"If successful, this would be the first example of a micro-grid."

Although the information collected this summer is key, crucial work for the success of the project will be done during term time in London. The current turbine design needs to be improved and then manufactured. The business model still needs to be finalised using the data collected.

Furthermore, using the estimated energy consumption, a suitable SHS needs to be designed and tested to ensure the stability of this micro-grid. e.quinox has always been a champion of development through local entrepreneurship. Aid creates dependency, whereas a business generates profits for the local community and aims to empower those within it.

Clubs and Societies

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C & S Editor | VACANT

Law: is this the career for you?

Alexander Beaghton discusses how you too could be a lawyer

Attention Imperial College students- you could become a lawyer. This may sound like a strange thing to say at a University that does not offer a law degree, but did you know that almost half of the new lawyers in the UK did not read law as undergraduates? If you are studying science, engineering or mathematics, you may be in a prime position to exploit a niche in the legal market. You could end up working in the City with a salary similar to investment banking, or advising clients on the forefront of new technologies and discoveries, where your expertise and analytical skills gained at Imperial lend you a tactical advantage.

It is no secret that banking and finance are still highly popular options for Imperial graduates, regardless of the recession. In 2011, over a quarter of physics graduates from Imperial College were recruited into the financial profession.

Yet in an increasingly regulated banking environment, where bonuses are slashed and the freedom to trade is slowly being suffocated, the work - and the recognition - is shifting to the City lawyers. While banking is becoming increasingly saturated with STEM graduates, lawyers with science and engineering backgrounds are still the exception rather than the rule.

You may be wondering how you can possibly transfer to law from a science, engineering, or mathematics degree. Yet regardless of what stage you are at in your degree, there is a clear and defined path for you to enter into the legal profession. In fact, Lord Sumption, Justice of the Supreme Court in the UK, has said that "the study of a subject which comes close to pure logic, like mathematics, is at least as valuable a preparation for legal practice as the study of law".

As standard undergraduate law degrees are increasingly less of a requirement for law firms, graduate recruiters are actively searching for graduates with non-legal degrees that will offer different transferable skills. Many top intellectual property and life sciences firms, such as Bristows LLP or Bird & Bird LLP, already specifically target Imperial College graduates and even postgraduates, meaning that studying at Imperial gives you a strong head start.

It is common knowledge that the work of a solicitor or barrister involves handling large amounts of information, interpreting complex legislation and drafting intricate documents. As a result, logical minds



Yes, it's true! As a lawyer you can be this fabulous... we think?. Photo: fanpop.com

excel, and thus the degrees offered by Imperial College, especially science, engineering or mathematics, are excellent preparation for the rigors of the legal profession.

Beyond the transferable skills, however, these degrees are extremely relevant to their related practice areas in law. For instance, a science degree is valuable in deciphering the technical terms in a pharmaceutical patent in intellectual property law, and mathematical skills will give you an edge in tax and accounting law. Graham Forrest, a life sciences PhD graduate from Imperial College, now working as a patent attorney, recapitulates this, saying that law is "just as intellectually stimulating as academia, but offers better job security and potential for career progression".

So what are the routes to becoming a solicitor or barrister? Firstly, you

will have to take the GDL (Graduate Diploma in Law) following your undergraduate degree, which will bring you up to par with law graduates. This is followed with another year of more specialized study, either branching into the LPC (Legal Practice Course) to become a solicitor or into the Bar Professional Training Course to become a barrister.

To receive your law degree, these two years of law education are followed by training at a law firm or barrister's chambers. Though it is not particularly difficult to gain places on the law courses, being accepted for a training contract (solicitor) or a pupillage (barrister) is a highly competitive process. For non-law students, applications to training contracts can be submitted on the final year of your undergraduate degree. If you are successful, both

years of law school are subsidized at many top firms, sometimes with an additional hefty maintenance grant.

The application process may be tough, but thankfully Imperial College has its own dedicated Law Society, committed to helping undergraduates through every stage of the journey towards a legal career. The committee members are on campus to help students from an initial interest in a legal career to the ins and outs of building CVs and applications. Most importantly, the law society is part of a network consisting of both top City firms and the diversity-focused group Aspiring Solicitors, all of which are hosting events either at the College or their offices. These events will be opportunities for undergraduates to learn about life as a lawyer, ask any questions and get vital application advice from graduate recruiters and legal trainees themselves.

"It is no secret that banking and finance are still highly popular options for Imperial graduates."

"There is a clear and defined path for you to enter into the legal profession"

Clubs and Societies

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C & S Editor | VACANT

Volunteering in Bulgaria

Imperial College Aid to the Balkans on their work with underprivileged children

In June 2014, five of us from Imperial College London represented Imperial College Aid to the Balkans (ICAB) on a volunteer program in Bulgaria at a town called Gorna Oryahovitsa.

ICAB supports orphanages and day centres for children in Bulgaria. We worked at one such day centre in Gorna, which provides social and developmental support for all children, including those with disabilities, whilst the parents are at work.

We worked with two groups of children- one group with severely notable disabilities such as cerebral palsy and the other with mild disabilities such as ADHD.

The day centre was impressive with a functioning gym and playground, but the children lacked playmates and the caretakers didn't have much time to play with them. Hence our primary role and focus was on providing the children with much-needed attention through activities which stimulated and engaged their interests and development. We couldn't communicate verbally due to the language barrier, but using actions with sincerity, the team forged strong friendships with the children.

With time, we better understood

the children and were able to adjust our games to increase their enjoyment.

Each day the kids played with something new such as balls, frisbees and bubbles. All of the toys we bought were funded by the £80 we raised through a cake sale we held at Imperial. On two of the days we drew the children's silhouette and let them colour it, which was planned by two local volunteers who did us a big favour in terms of the language barrier. We helped children with walking difficulties to walk and on our last day, we organized a mini party with face paints and balloon sculptures to conclude our time with them. The kids really enjoyed it!

On our first free weekend, we went to neighbouring Romania to visit a few castles in Transylvania, including Dracula's very own! To experience the wild Transylvanian scenery, we drove along the Transfagarasan, named by Top Gear as the most beautiful road in the world - imagine driving through a flock of sheep and having lunch by a glacial lake in heavy snow (in June)!

The following weekend we went to Varna, a city by the Black Sea, to soak up all the sunshine we missed in London. We also went to

Bulgaria's most celebrated tourist attraction, Rila monastery, nestled in the mountains, to admire the best of Bulgarian art, culture and architecture. These are places where lovers of nature, culture and adventure will all have an amazing time like we did.

Our time in Bulgaria was truly an eye opening experience. It allowed us to view the world in a different light and further understand the plight of the unfortunate. It also gave us a better insight into the history of the country and of how Bulgaria has transformed throughout the years. This was certainly a journey of self-discovery and our way of giving back to the community through interaction with the locals.

ICAB strongly supports the development of both its volunteers and the target community and we would highly recommend anyone interested in giving back to the community to take up this program.



Sheep... sheep everywhere! This road is a particular favourite of Top Gear. Photo: ICAB



One of the day care centres visited by Imperial College Aid to the Balkans. Photo: ICAB

Sponsored Editorial

Student Discounts At Fresh Hairdressers 70m from South Kensington tube



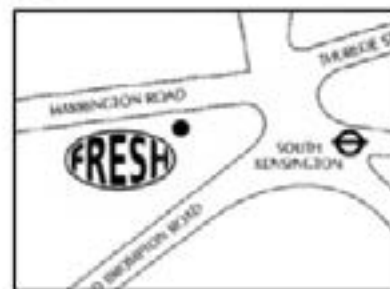
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C & S Editor | VACANT

Imperial Hub: Make your Mark

Fatima Iftikhar discusses how you can involved with volunteering

As a Fresher you will quickly realise that University is an amazing time to make friends and experience new things, especially in a city like London. It is also a perfect time to start thinking about how you can make a mark on the world around you.

Sadly as students we can often be portrayed in a bad light in the media, however things are quickly changing as University students everywhere are proving that they have the power and potential to shape a better world. Recently an edible water bottle designed to reduce plastic waste was shortlisted as one of five ideas that could radically change the world. It was a student at Imperial who designed it.

Imperial Hub is a community of students working to create opportunities for others to make a difference. Throughout Welcome Week we want you to think about how you will Make Your Mark and drive positive social change whilst at Imperial. Whether you can imagine yourself inspiring young school students, using your tech skills to help charities with web design or even starting your own social enterprise, there will be something that you can do to get involved!

You might not realise it, but the opportunity to effect change is right at your fingertips. While Kensington and Chelsea seems on the surface an extremely affluent area, it actually faces huge social inequalities and has the biggest gap between high and low



Imperial Hub is one of the most prominent volunteering groups at Imperial. Photo: Imperial Hub

earners in London. 35% of primary school students in the borough are on Free Schools Meals (because their parents have a combined income of less than £15,190) compared to the national average of 19%.

Students at Imperial have been engaging with these issues and other similar ones throughout London through various ways with Imperial Hub.

Last year over 100 Schools Plus tutors were able to inspire and engage over 450 disadvantaged school pupils

"You might not realise it, but the opportunity to effect change is right at your fingertips."

" You can meet great people and gain lots of new skills and experiences for the future."

across London, helping to improve results and bridge gaps between school and university.

This year we are pleased to announce that the Schools Plus tutoring programme will be growing even bigger and better as we merge with the Pimlico Connection and Imperial College's Outreach Department. One of our past volunteers said: "I've gained so many amazing experiences and skills... I would never have gotten my summer internship if it wasn't for

the experience and skills I'd gained during my time as Schools Plus Coordinator."

So now it is your turn to think about how could you best utilise your time at Imperial. Getting involved with social action doesn't have to mean changing your routine; volunteering just one hour a week can make a huge difference! Not to mention getting involved is hugely rewarding - you can meet great people and gain lots of new skills and experiences for the future.

Consulting the students of Imperial

YANN CHEN
ICCS PRESIDENT

Ever wondered what consulting is all about? Many of you may have heard of this for the first time recently, but alongside the lucrative banking and finance industry, big bucks are now coming to consulting. And it shouldn't come as a surprise because some of the biggest real world problems are solved by consultancies.

In 2013, the UK Management Consultancies Association (MCA) reported an 8% annual growth in the consulting sector, beating most other key industries. As more companies turn to consultancies for solutions to their problems, it is with no surprise

that this industry is set to grow, by helping the other industries grow.

You might still be puzzled as to exactly what consulting is. Let's assume we have a problem. Your firm wants to launch a new product but do not know how to. As the boss of the company, there would be many questions running through your mind - how much are you going to price it, where are you going to make the product available, and the list goes on. You can get the answers to these questions by randomly finding a figure or answer and wish upon all your luck that you got it right, or you could find the answer through a systematic, analytical and logical method of surveying, benchmarking and obtaining a good strategy with

projections. That is what consultants do: providing answers to problems and questions through a scientific, methodological and quantifiable approach.

As a consultant, you help firms save millions of dollars, build competencies in clients, and make a positive difference that lasts. Every project you work on would be different, and while your job gets filled with vibrancy, you get a strong sense of fulfilment too from all the positive difference that you have created.

For everyone in Imperial who is keen to join this exciting industry, the Imperial College Consultancy Society (ICCS) would be your leading student-led organisation that not just provides

you a touch-point to the industry, but platforms for you to gain valuable skills and competencies. Here at ICCS, our primary goal is to help every member to our fullest extent achieve their ambitions towards a career in consultancy.

We hold a variety of events where we bring to campus top notch consulting firms - opportunities for you to learn about them, as well as to create networks that might one day be useful for your future endeavours.

If you are looking for more than just learning about consulting firms, then join our in-house Case Study Club, or even our subsidiary, the Imperial Consulting Group (ICG), where you will get an opportunity to hone your analytical skills and

logical reasoning. ICG even offers you real life opportunities to work with established clients solving real problems.

There is so much you can expect in consulting, because at every point, it changes. The most difficult challenges are structured and solved by consultancies. If you are keen to learn more about consulting, or wish to prepare yourself for a career in consulting, ICCS will be a must-join. Purchase our free membership from the Imperial College Union website and you would be entitled to attend our career presentations, as well as enrichment activities, for free.

For more information, we welcome you to visit us at our stand at the Freshers' Fair.

Clubs and Societies

felix@imperial.ac.uk

C & S Editor || VACANT

Raincatcher Imperial go on safari Zhong Hong Lim on Raincatcher's summer excursion

Raincatcher Imperial is a student-led charity with a rich history of both infrastructure and community development projects since our formation in 2008. We work with Raincatcher, a registered charity under the UK Charity Commission and local non-governmental organisations (NGOs) such as Caritas in Tabora, Tanzania. Since 2009, we have visited various communities in arid regions of Tanzania, with an aim to improve access to and education of clean water, sanitation and hygiene.

We welcome all students from any academic background, and as we are gathering more freshers this year, it is our goal to tell you more about what we do and how we aim to achieve those end results.

A team of 4 of our members this summer spent a long 9 weeks in Tabora, Tanzania to work hand in hand with the local communities to achieve the aims we had set as an organisation. With only an intensive trip preparation course prepared by our charity trustees and some guidance from past teams, the team bravely journeyed into an environment expecting language difficulties, culture shocks and even the occasional diarrhoea.

Yet, with all odds against them, they have once again done our charity proud by not only completing a 50,000L over ground ferro-cement tank in the vicinities of a Primary school in Tabora, but also engaged the members of the community by empowering locals to pass on their water jar construction knowledge and enforce basic sanitary habits within their families.

Tanzania is a country poor in economy but rich in community



Raincatcher work to improve access to water facilities worldwide. Photo: Raincatcher Imperial

spirit. Friendly conversations would simply flow between people who do not know one another and it gave me a much differed experience to living back in my hometown.

Our trip took place in the 6 month long dry season period in Tanzania, and there I really experienced the value of clean, potable water. Every day, children at the primary school would make multiple trips to fetch surface pond water from a location 15 minutes walk away. Even when they knew the water was so bad and turbid, they still consumed such dirty water. I myself however was fortunate enough to purchase drinking water and to have taken vaccines, thereby avoiding

many diseases commonly found in that region such as Typhoid, Hepatitis A and Malaria. But do the locals? Join us in our work, and actively strive to give a better life to Tanzanians. We aim not to make a large difference by ourselves, but to inspire many to join the work we do and maybe one day, to see our combined efforts sum up to something appreciable on the national scale.

We, also had the chance to take a break after our charity work and enjoy the picturesque landscape of what Tanzania has to offer. The never-ending blue skies and rushing tides along the shoreline in Zanzibar beach are a far cry from the gloomy

London weather in winter, often accompanied by the cacophony from heavy traffic. Taking in such well-appreciated tranquillity while enjoying the sunset on the horizon, it can just take your breath away.

Raincatcher Imperial has accomplished much since its establishment, and our programmes have placed us at a good position to fulfill our long term goals. However we need more enthusiastic and keen individuals who dare to dream a better future for all, to venture beyond their boundaries of first world comfort and to touch the hearts and lives of those in need. Join us and be a part of our team.

ICSM Surgical Society to host International Trauma

This November, ICSM Surgical Society will be hosting the 9th International Trauma Conference. Last year, over 200 students from the UK and Europe attended, as well as doctors, surgeons and nurses.

The weekend-long conference aims to teach trauma management through a series of lectures and workshops. This year's event has a great new programme, and includes topics like trauma in zones of conflict. Amongst the exciting plans is a keynote lecture from Jonathan Kaplan – a South African trained surgeon, who is also an author and investigative reporter. He has lots of experience of surgery in war zones across the world, some of which are shared in his thrilling book "The Dressing Station: A Surgeon's Chronicle of War and Medicine". Another notable speaker is Imperial's own Dr Zul Mirza – a consultant in emergency medicine who will be offering his insights on chest trauma. He has given multiple lectures in the past, both nationally and internationally and has appeared many times on the news.

Trauma prides itself on the interactive workshops it offers, which include FAST scanning, intubation, surgical airways and chest drains. They offer a unique learning opportunity, which isn't to be missed out on.

In keeping with tradition, the conference will conclude with an inspirational speech from our patron Professor Kenneth Boffard, who heads the Department of Surgery at Johannesburg Hospital in South Africa.

There are plenty of new ideas being brought to Trauma this year, with improvements to many of the practical stations and new speakers. So even if you've attended previously, you're sure to find a new experience at this year's conference. As an added bonus, you can enjoy the weekend for a discounted price if you get surgical society membership.

All in all, Trauma '14 is setting up to be a fantastic weekend, and I hope to see you there!

ALEXANDER JELLOO

Save the Children: big plans to raise big bucks

AREEB MAHTEY
SAVE THE CHILDREN CHAIR

As many of you are aware, the crisis in Gaza has had a detrimental impact not only on the country's infrastructure but also on its residents, including the children of Gaza.

This is an ongoing issue and has been at the forefront of Save the Children's concerns. Over the summer, the Imperial College Save the Children society was involved in a tube collection at South Kensington station for the DEC Gaza Crisis

Appeal. We contributed in raising money along with plenty of other volunteers across London, who participated in various other forms of collections, managing to raise a combined total of £33,539.67.

Imperial College Save the Children is a fun charity society that aims to raise money and works in over 120 countries worldwide.

The charity helps over 30 million children per year and organises events such as live music concerts, parties around London and nationwide, talks and shows to promote global health issues such as child poverty, Third World

education, and health care in developing countries.

This year we have an extremely enthusiastic and energetic committee who have a passion to help those less fortunate than ourselves.

We've had many fun and memorable events over the past year such as tube collections, a fancy dress "Fun Run" through Hyde Park, doughnut sales and even collections at an Arsenal Football match!

We plan on continuing these events this year along with many more, including a collection at **Cadogan Hall** – a leading venue in Chelsea, which has hosted performances by

some of UK's top orchestras as well as their own orchestra (*The Royal Philharmonic Orchestra*). Our headline event, Imperial's Got Talent – has seen the participation of many societies such as the Imperial College Belly Dancing society and the well renowned Imperial Techtonics A Cappella group.

This year we are planning to collaborate with multiple other universities to bring you our biggest inter-university talent competition yet.

We're looking forward to seeing you all at Fresher's Fair, do come and find us and say hi!

SPORT

Sports Editor: Kunal Wagle

ICUAFC: fiestas and fiascos of a summer tour

MATTHEW CANN
TOUR SECRETARY

ICUAFC's summer tour got off to a shaky start. Since all bad experiences start in the Union we thought this was the best option to begin what would become the worst week of our lives so far.

The flight was tedious, but soon we arrived in Malaga and tour could start in earnest. After checking into our home for the next 4 days, we set off in search of the beach. Despite it only being a short walk, the group struggled but eventually everyone made it and promptly got in a little kee-pee practice.

The first night was certainly eye-opening: heading out after dinner we found the city empty. Apparently no-one had received the memo saying that Spaniards don't even think about going out until midnight. We had precisely zero chance of scoring with the locals but if there's one thing we don't lack its enthusiasm so we carried on regardless.

The morning-after-the-night-before required some R & R so we headed to the beach to exhibit the best qualities of Brits travelling abroad: alcohol poisoning and sunburns.

On Tuesday we had our first match against Sevilla FC in front of a bumper crowd of seven. This broke ICUAFC's previous record crowd by seven. The game was a cagey affair

with neither team managing to break the deadlock early on. Ivan Rakitic, in what would be his last game for Savilla before Barcelona came calling, was running the game early doors but it soon became clear he had met his match.

Not usually known as a midfield general Rakitic's tireless running and impressive distribution put seasoned campaigners, such as Uptight and Shatner, to shame. Drawing comparisons to a young Clarence Seedorf he was at hand in the first goal, playing a delightful through ball to an onrushing Frankel who poked the ball through the goalkeeper's legs. Frankel was determined to win the golden boot outright this time, having had to share it with an ICUAFC legend the previous year.

The two teams went in to half-time with ICUAFC leading by the solitary goal. After a quick siesta the two teams returned and it soon became clear that despite winning the Europa League just a few weeks previously, this was the match that Sevilla really wanted to win. They came out with fire in their bellies and soon converted this energy in to goals with a quick double salvo from Rakitic putting the hosts ahead. It would need a spirited comeback from ICUAFC to come away with the three points and unfortunately they were only almost up to the challenge.

A blinding save by ICUAFC led to a speedy counterattack with Frosty

racing down the wing. He played the ball round the centre back leaving Fringe with just the goalie to beat. Could he do it? Yes, he could. The ball nestled in the back of the net and it was suddenly game on. IQ got back into the game and the momentum swung from Sevilla to ICUAFC. Brownfinger and Uptight supported IQ and the wingers, Nob Mez and Scurvy were causing all sorts of trouble on the touchline. However fatigue set in and with just minutes left on the clock Rakitic completed his trick winning the game for Sevilla. Sevilla FC are due back in England for the away leg in November, but it is hard to see them getting anything at the Fortress.

Wednesday meant a change of scenery with the second half of the trip to Seville. To make the most of the afternoon, everyone except The Milky Bar Big, who was AWOL, went on a walking tour to take in as much culture as humanly possible.

The final footballing encounter saw ICUAFC taking part in the 56th anniversary celebrations of a local club. After being presented with the trophy before kick-off ICUAFC were feeling complacent and this led to conceding 3 early goals. After some stern words at half time ICUAFC got one back. Frankel instinctively played it over the top, sending the ball home over the onrushing keeper. Despite Alfonso's best Alfonso impressions the equaliser was one step too far and



Photo: Wikipedia/Ludovic Péron

another disappointing defeat ensued. Fears Plaque was crowned Player of Tour and Alfred, Ian and Isa were thanked for translating for the week and not letting anyone die. There was then just time for one last trip to Belindo, which was unanimously declared the best night-club in the world.

The next day was home time. It had been an emotional week and everyone had come out of it a bigger man. The

flight back was uneventful although it was delayed due to a problem with the left falanage.

We returned back to the misery of modern Britain but we were all relieved to be back, in the motherland and return to our families, where our Mums could cook us dinner and wash our clothes and cuddle us through our tears.

ICUAFC's 2014 summer tour was sponsored by Nando's.

C&G Motor Club hit the racetrack for 24 hours straight

THILANKA JAYSEKERA
JON PRING
DRIVERS

It was an early start. The team of 10 gathered at the motor club garage at 1.00 on Saturday morning for the 250 mile drive up North for the 7.00 circuit briefing. With bleary eyes and all the racing gear and camping kit thrown into the back of the minibus we set off up the M1.

After much sleep, a traditional McDonalds breakfast and a colourful sunrise greeted us with much appreciation. And as a bonus, no rain!

A two-hour practice and qualifying session was enough to wake most of us up, in blisteringly fast karts capable of 70mph! The 1.3km track at Teeside Autodrome was very fast with a mixture of high-speed corners and challenging chicanes, with the practice giving us all a taster of just how much of a challenge 24 hours on track will be. Jon Pring set the fastest

time of the team, qualifying us in 12th place out of 40 teams. However, the race was far from over with 24 hours for anything to happen.

At 13.00, we positioned ourselves on the grid. The first driver out, Geoffrey Marcel lined up on the other side of the track, waiting with focus and calmly for the Union Jack to drop. For this was a Classic Le Mans style start where the drivers run over the track to their vehicles, so athletic ability and reaction times were key.

The start was good, we cheered Geoffrey on as he gained 4 places in his first lap. But this was a long game, so we left him to settle into his 1hr long stint. Our team strategy was to stay on track, look after the tyres and minimize kart damage by staying off the kerbs.

Drivers Thilanka Jayasekera, Thomas Jones, Thomas Arscott, Charles Osio, Tianquin Bao, Anthony Vaquero, & Arnaud Wolfer all put in very impressive performances throughout the



afternoon and night, alternating between pit stop crew, driving and sleeping. For many of these drivers it was their first ever race.

After much barbequed breakfast, lunch, and dinner, the race was finally coming to a close. Jon took the final session, gaining on the previous race leaders, Oxford University,

and a tired Oxford driver found the pressure too great, forcing their kart into a spin! We crossed the chequered flag in a respectable 27th with many memories of such a great race, and already planning on how to improve our performance for next year.

Fancy joining us? We can usually be found in our garage on Unwin Road

restoring our Classic Mini, which we are planning to rebuild the engine in the autumn term.

New to this year, we will be hosting a cheap karting championship throughout the season and aiming to continue our success in the British Universities Karting Championship across the country.

SPORT

Sports Editor: Kunal Wagle

What happened in Sport this summer

KUNAL WAGLE
SECTION EDITOR

In a new weekly column, Kunal Wagle rounds up all the major sports stories around the world during the week. In a fresher's issue special, this time we show you what you may have missed whilst you were on the beach this summer.

In the FIFA World Cup, Germany came out winners after beating Argentina 1-0 after extra time. In a hugely embarrassing week, Brazil lost their semi-final 7-1 before being thumped by the Netherlands 3-0 in the third place playoff.

In a seesaw title race Lewis Hamilton has the advantage (at the time of writing) over his Mercedes teammate Nico Rosberg with just five races to go in the Formula One season.

In cricket, Alistair Cook answered his test match critics as England beat India 3-1, only to be dispatched by the same score line in the one-day series.

Also, Yorkshire won their first County Championship in thirteen years, although it wasn't without controversy – captain Andrew Gale had the dubious privilege of being charged with making racist comments in the roses match – the first English person to be accused of such an offence. Mumbai Indians' title defence in the Champions League crashed and burned in the qualification round.

Bath and Saracens have made storming starts to the Aviva Premiership in rugby union. Bath took apart Leicester 45-0 to keep their winning record, whilst Saracens crushed Harlequins at The Stoop 39-0 to stay in touch at the top. New Zealand has the lead in the Rugby Championship, with Australia and South Africa tied in second.

After a tough summer, Andy Murray has lost his place in the top ten in world tennis. He lost in the Wimbledon and US Open quarterfinals, and now faces a stiff challenge to qualify for the World Tour Finals in Novem-

ber. Murray will be aiming to overtake Marin Cilic, who was the surprise winner of the US Open in September. He beat Roger Federer in the semi-final, before overcoming Kei Nishikori to take his first Grand Slam title.

Rory McIlroy underlined his status as the one to watch in golf, as he took victory in the Open, and followed it up with the US PGA Championship. He is now the world number one and will be confident of helping Europe to victory in the Ryder Cup, which will have just happened as we go to print.

England had a hugely successful Commonwealth Games in Glasgow, as they topped the medal table, despite losing star man Mo Farah to illness.

The early season league premier league table suggests that Chelsea have made the most of the transfer window as their new signing Diego Costa has continued his prolific form. Manchester United spent north of £150 million during the summer, but results are yet to show for it.



This is not a sport featured in Felix this week. However, look at that eye action! Photo: Wikipedia/Mase55

SPORT

Sports Editor: Kunal Wagle

Imperial Cross Country go on 'Tor'

LIAM SMITH
ICXC TREASURER

On Friday 12th September 21 members of Imperials Cross Country and Athletics Club (ICXC) set off for a weekend of running, relaxing, and occasional raucousness in the stunning backdrop of the Mendip Hills and Glastonbury Tor. Arriving late on the Friday evening there was sadly no running done on the first day due to a lack of sunlight. This didn't dampen spirits however; an early advance party led by last year's treasurer Harveen Hayer had mustered up a small feast to prepare the late arriving minibus of athletes for the packed weekend ahead.

The next morning there were early pre-breakfast runs from some, whilst others including webmaster Duncan Ingram and myself chose to wait until after food before heading to nearby Yeovil for a track session to sharpen up our speed for upcoming races, along with pacing support provided by Sport Imperial's Athlete of the Year Chris

Bannon. Those not running around in circles then headed off to indulge in some river swimming after a second run of the day in the midday sun. All were soon back relaxing at the hostel, with some nursing bruises from a rather precarious rope swing! In the early evening we headed out again, this time to Glastonbury Tor itself for hill reps weaving between tourists! Both those running and also those cheering from the top with the first beers of the night received many strange looks. Special mentions should go to James Ellis for claiming the fastest time up the tor (beating many local runner's times as well), to next year's captain Matt Douthwaite for completing a partial rep whilst giving a piggyback, and to Matthias Knop; who completed a full rep with a crate of beers, holding his own with all but the fastest few!

Once hill reps were done, nearly all had done enough running; with the daily mileage for some reaching nearly 40km! Returning to the hostel again there was a circuits and stretching session led by Alwyn Elliot in the



fading evening light for most, whilst a few took one last easy jog to loosen off tired legs. Both these sessions finished abruptly thanks to some maverick pace setting in the closing stages on the run and the suggestion of tour tradition "Drinking Jenga" for those doing circuits. The evening that followed may only serve to reinforce the opinion that XC&A celebrate as much as they train. I would go into more detail, but what goes on Tor stays on Tor.

The Sunday morning consisted of a late start, with a post breakfast long run on the agenda for all but a few to get rid of the toxins from the night before. This was followed by a trip to a local pub for a fantastic Sunday roast before the group headed back to

London (with a brief sight-seeing stop at Stonehenge) to catch up on sleep and to relive the memories in hushed voices so as not to be overheard.

Special thanks should be given to all those involved; notably Harveen, Alwyn, and Matt without whom the tour wouldn't have gone ahead, and to all of those who mucked in throughout the weekend to keep all the activities running smoothly.

For any freshers wanting to get involved with one of the most welcoming clubs in Imperial come and find Cross Country & Athletics on Queen's Lawn at the Freshers Fair. We cater for all abilities from the social athlete, to the casual jogger, to those wanting to compete at university and national level!

"I would go into more detail, but what goes on Tor stays on Tor"

"Those not running around in circles then headed off"

Imperial College
LondonSTUDENT
BLOGGERS
WANTED!

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Imperial College
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IC Gliding club takes to the skies

GUY DUTTON
ICGC CAPTAIN

The Imperial College Gliding Club got the year off to a flying start in August. For the first time ever there were four current students flying in the UK Junior Nationals gliding competition. Tom Arscott was flying Imperial's own ASW-24 glider in his third season and going for the win. Johnny Paterson was returning to competition flying in his DG-200 while Guy Dutton and Johannes Hoenigl, having both started gliding at Imperial were competing for the first time in a pair of Discuses - one owned by ICGC and the other was hired thanks to a grant from Sport Imperial.

In competitive gliding, pilots have to fly around a series of specified turn-points dotted around the course in the correct order. This is known as the 'task' and can cover distances of over 300km, with gliders flying at speeds of up to 160mph! The pilot who completes the task in the least time wins the day and the pilot with the most points after 9 days wins the competition. So what's the catch? We don't have engines! A good pilot uses thermal updrafts to climb, then converts height into speed to cover the distance required. A less proficient pilot uses a few thermals to hop along until he runs out of sky and flops into a field.

This year there were 47 pilots competing in the 'Juniors', as it is known, with ages ranging between 17 - 25 and a wide spread of abilities. Those competing for their first time

were simply trying to finish the task, while the more experienced competitors were aiming for faster speeds. The Weather Gods were kind and provided 8 competition days out of a possible 9 - a vintage year! The first four days proved tricky, day 3 even saw the entire grid of 55 gliders land-out in fields! Nevertheless Tom secured top-10 positions on most days. Meanwhile the rest of us sampled the various fields and airfields of the South of England, culminating with Guy and Johannes dropping into RAF Boscombe Down for a cup of tea.

Performances improved during the week as all four of us completed a 300km task, a first for Guy while Tom won the day with a blistering average speed of 99.7kph. By the end of the week Guy had made it into the top half of the field and finished 23rd. Johnny cruised into 20th after a consistent week and Johannes managed to hang on to 18th despite not flying the last day due to man-flu. Tom put us all to shame and came 4th out of 47 competitors, a fantastic achievement which may earn him a place on the British Junior national team for the next Junior World Championships in Australia.

But you don't have to be a competition ace to try gliding! ICGC is the cheapest and most enjoyable way to learn to fly while at University. Last year Nick Tam, Arman Amirzhan and Chloe Kirkpatrick all flew solo for the first time having started from scratch at the beginning of the year! Training flights cost as little as £7 and we run trips both days of every weekend during term time. We have our own fleet of high performance gliders, as



Photo: Gliding Club

well as access to great instructors and facilities at Lasham airfield, home of the largest gliding club in the world. We also organise Winter and Easter

tours to other sites around the UK and Europe.

If you would like to find out more and have a go yourself, come and

find us at Freshers Fair (we are the club with the giant plane) or come and meet us at the Union on Friday lunchtimes!



Feeling Immortal this year?

American Football is fast becoming a hugely popular sport in the UK because of its exciting nature, big hits and show-stopping touchdowns – with their accompanying dances.

The Imperial Immortals are Imperial's own American Football team and are made up of existing undergraduate and postgraduate students, coached by nine knowledgeable and experienced coaches. Last season we remained undefeated throughout the regular season: winning the London conference, promoting us to the Premiership South, and taking us to the national play-offs where we won two further games to reach the National Semi-Final.

The team has lots of slots for Freshers to come and make an instant impact in the most competitive University American Football League in the South.

All this talk of sport and success doesn't mean to say that we don't socialise together; we are always at the

Union on a Wednesday for Sports Night and hold socials throughout the year, often with the Imperial Titans – the cheerleading team.

If you want to try a new sport or carry on playing American Football, the team is taking part in the 'Give it A Go' scheme, by holding two Come and Try sessions. The first will be on Wednesday 8th October at 2pm and the second on Sunday 12th October.

No previous experience is required to attend these events; most of the team had never played before coming to University.

If you have any questions or want to talk more about the sport and joining us, then come and speak to us at the Freshers Fair where we will have a stall, or join the Imperial College American Football Team 2014 Recruitment page on Facebook.

SAM HILL

PUBLICITY AND RECRUITMENT OFFICER