

A kick in the pants for entrepreneurs

An interview with the author and businesswoman Sháá Wasmund. Page 13



Summer Elections underway

Voting to open from 3-10 June

Tim Arbabzadah Editor-in-Chief

Nominations have closed for Imperial College Union's Summer Elections. Voting will be open from Monday 3 June to Friday 7 June.

This year, the position of Deputy President (Education) will be part of the election. This is after the original winner of the post had to give it up due to an interruption of studies. This will be a two horse race between Natalie Kempson and Frank Machin.

Other positions available are BME Officer, Campaigns Officer, Council Chair, Disabilities Officer, Ethics &



Environmental Officer, Gender Equality Officer, Interfaith Officer, International Officer, and LGBT Officer. It appears that the Council Chair, who chairs the meetings of Union Council, is hotly contested as four people have thrown their names into the hat. International Officer also has four contenders. Three positions (BME, Ethics & Environmental, and LGBT Officers) only have one person running for them. It is rare for RON to win elections, so these candidates will be >>6

Imperial alumnus killed in Syria

Nida Mahmud News Editor
Tim Arbabzadah Editor-in-Chief

An Imperial alumnus has been killed in Syria after a bomb hit the field hospital where he was treating patients in challenging conditions. Isa Abdur Rahman (pictured), 26, was a medical student at Imperial and was killed while helping the British charity Hand In Hand for Syria (HIHS).

Dr Rahman was from North West London and was married. He had put his medical career in the UK on hold to help the civilians hurt by the conflict in Syria. Even though he was not a native Arabic speaker, he managed to master the language in less than a year.

He left his job at the Royal Free Hospital almost a year ago and flew to Syria to set up a clinic in the village of Atmeh, near the border of Turkey, before moving from town to town offering medical help. >>3



Dr Isa Abdur Rahman was killed when a bomb hit the field hospital that he was working at

HIHS

St Mary's library gets revamp

£3 million renovation is completed

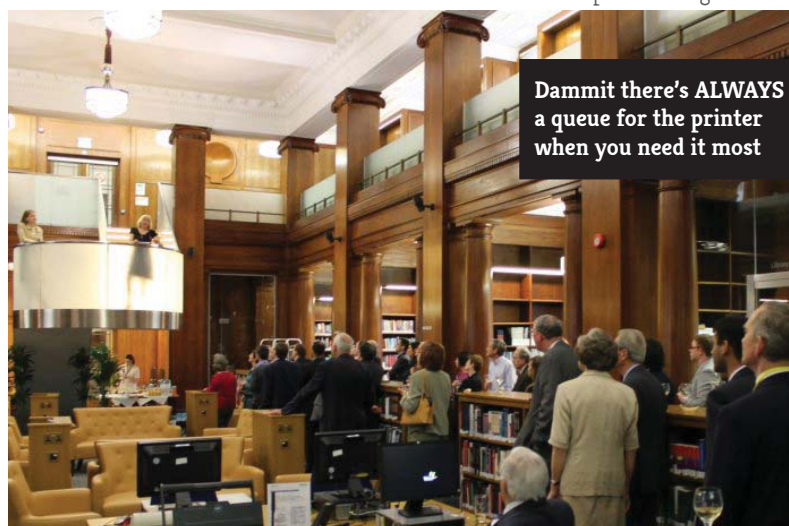
Tim Arbabzadah Editor-in-Chief

The medical library at St Mary's has been reopened following six months of renovation works on the building and facilities.

The library is to be renamed the Fleming Library (after Sir Alexander Fleming).

The renovation, which was first planned in 1999, cost a total of £3 million. Half of this funding was from the St Mary's Development Trust.

Felix contacted Emeritus Professor Averil Mansfield CBE who is Chair of the St Mary's Development Trust and was involved in the work. She >>6



Imperial College London

Dammit there's ALWAYS a queue for the printer when you need it most

Inside...>>

COMMENT



Students put last at Harlington? >> 9

TV



Voicing opinions on about The Voice >>20

PUZZLES



Two whole pages of time wasting >>28

EDITOR'S PICKS

TECH

Xbox One

Nowadays it seems everything must be able to do everything. The question for Microsoft is: you could make a toaster in a fridge, but would you want one?



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PUZZLES

Procrastinate away

Big shout out to the Puzzles team for two whole pages of Puzzley goodness. Special mention for Lousia, who came in the day before an exam to do the pages!



>>28

SPORT

Riding to victory

Polo finally have their write-up from the Nationals. They had mixed fortunes it seems. Also, a great report by the Fellwanderers on their hiking exploits.



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CLASSIFIEDS

Tutor wanted

Help with Homework for Year 2 and 3 girls - £10/hour I am looking for a female student who can help with homework after school around 3 days a week starting from 11th June until 18th July approximately. We live in Ifield Road by the Earls Court Tube. Female applicants only.

If interested, email Lucia: lc261272@gmail.com

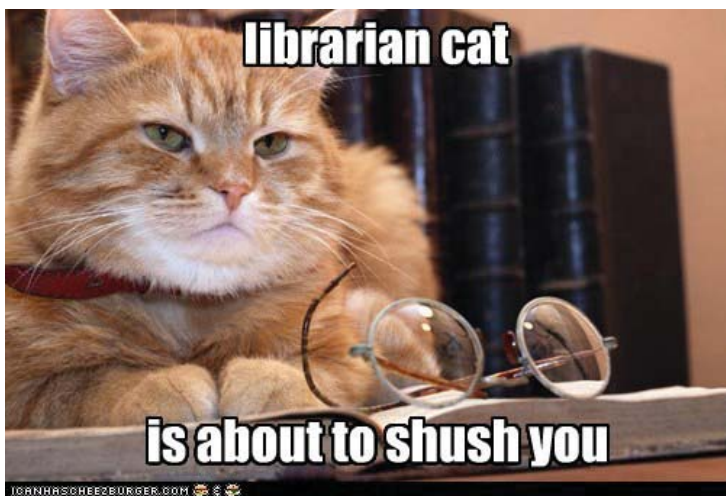
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To place something in Classifieds, email felix@imperial.ac.uk

LOLCAT OF THE WEEK: A perk of the job



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This week, as always, there is a mixture of good news and bad news. I will start with the bad news. The tragic death of an Imperial alumnus is not the most pleasant thing to be reporting. It reminds me of another incident earlier this year, which was similarly upsetting to put into the paper. The fact that so much money has been raised in his memory in such a short time, and that he seems to have had so many friends at Imperial, shows that his character must have been strong. It is particularly upsetting that he died so young, and left behind a wife. I hope that his friends and family can take some comfort in the fact that he seems to have inspired a lot of people into being very generous: to raise that much money in barely any time at all is almost unbelievable. Hopefully, the field hospital will help people and so it will be for a good cause.

Some good news

There is some good news to talk about. Firstly, there is the Fleming Library re-opening after donations. There are always a few students that feel the need to essentially move into a library around this time (if they weren't students they would probably even have

to pay council tax), and they should be pleased that it's looking pretty plush.

Imperial teams also seem to be dominating the Engineers Without Borders Challenge. I'm glad that they had the opportunity to take such a course, and hopefully more students will get to benefit from these extra courses next year. Take the opportunity to do something beyond your subject next year if you haven't already. Trust me, you'll really regret it if you don't. When you're in a job, your life becomes more rigid, and learning about new things becomes restricted to documentaries by the latest dough-eyed scientist. This actually extends to taking part in clubs and societies at the Union as well. Hobbies take time, effort and money, and, here, you have an opportunity to do something fun while not losing too much of all three.

Elections again

The Summer Elections have loomed up once again. It's that super stressful work season, so the last thing you probably want is for someone to start waving their arms in your face telling you they'll instantly transform your life into blissful relaxation if you click a button. Firstly, try to be gentle to anyone distracting you to give you sweets and a voting link. Secondly, spend

the few seconds it takes to vote and make a difference. All the positions matter in their own way. As with all part time positions they can be made bigger or smaller by the person filling it. This is to say that if someone truly proactive is in the role they could really change some things for the better. The fact that all Union positions aren't elected in one burst does make people a bit bored with the whole procedure. It's tough on everyone involved, because the previous round of voting happened before Easter when people weren't as busy, stressed, tired of Imperial, tired of work, or all of the above. This means the Summer Elections always have a vastly reduced turnout compared to their counterparts before Easter.

There is actually a big position up for grabs: Deputy President (Education). This is the person that is in charge of your educational needs. Need to complain about a lecturer's terrible notes? They are your first port of call. They also head up the Rep system, which is all of the Dep Reps and Year Reps who sit on the Student Staff Committees. You only have one week to vote, so make an informed decision and go for it. If you don't like any of the candidates, click RON or abstain. Good luck to all of the candidates running!



News Editors: Aemun Reza, Nida Mahmud
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NEWS

Over £50,000 donated for hospital in his honour

» continued from the front page

Doctors in Syria work in extreme conditions with a shortage of resources and the daily danger of being attacked. He died after a shell hit the hospital that he was working with, which was a secret clinic in the Idlib province. His body was buried last week in Atmeh. Two other civilians also died and two were wounded. The attack has been blamed on government forces by HIHS.

Last Friday, over 200 people gathered in Kilburn with Isa's family for a condolences session. There were Imperial students from five different year groups who attended to pay their respects, as well as teachers from his school and consultants from his hospitals.

Faddy Sahloul, Chairman of Hand in Hand Syria (HIHS) described Dr Isa as "a shy young man whom I first met two years ago." He went on to say: "Everyone who knew him is shocked and saddened to hear the tragic news of his death, but we can draw comfort from the fact that he died doing work that he loved. Our thoughts and prayers are with his wife and family at this difficult time."

HIHS said: "The brave young doctor sacrificed his life to save the lives of others and he will be very sorely missed by the many family, friends and colleagues who knew him." HIHS is a non-political organisation that



was established at the start of the Syrian uprising in 2011. Over the last two years, over 80,000 innocent lives have been lost in the Syrian crisis. HIHS aims to provide medical and humanitarian help to civilians who have been impacted by the conflict in Syria. They have set up secret facilities in locations where it is too dangerous for casualties to use the government hospitals or where the hospitals have been shut down.

Isa was a dear friend to many students at Imperial, and was heavily involved with the Islamic Society (ISoc) during his time at university. His other philanthropic endeavours include heading the Imperial Charity Week team in 2008, a project that enabled Imperial students to raise £22,839.25 for orphans and needy children around the world. In addition, Isa actively organised tutorials and PotMed events for the Muslim Medics society, as well as offering advice and guidance to younger students. He was also a member of the Snooker and Book clubs at Imperial.

Isa was described as a dedicated volunteer who strived for good and profoundly touched the hearts of many people with his endeavours, and as a true inspiration to everyone – many will deeply miss him. On behalf of the ISoc at Imperial, the President, Hazem El-Turk, commented: "Isa was undoubtedly one of the most exceptional individuals to pass through our Society. His contribution to university life, as well as his passion and commitment to issues beyond that are things that we remember him for today. Our thoughts are with his family in this difficult time, and we hope that his selfless actions will inspire others to engage more in humanitarian issues worldwide." Muslim Medics and the ISoc will be having a tribute to Isa later on in the year.

Aamir Shamsi, a 5th year medic at Imperial said that Isa was "a great man and an elder brother to me." Aamir went on to say: "Isa's patience and wisdom was beyond doubt even at such a young age. He had a towering presence and was highly respect-

"Everyone who knew him is shocked and saddened"

ed in the community but he was so modest and humble that you would never have realised his incredible achievements until someone told you. He was and will continue to remain a great role model."

His friends set up a JustGiving page for people to donate money for a new field hospital to be set up in his memory to continue his work. The original plan was for a new ambulance in his memory. However, the £7000 needed was raised in fewer than 14 hours. His friends said that the speed with which the money was raised was "a testament to the character of Isa and the beauty of the people who know him". The aim was changed to the more ambitious target of setting up a field hospital, which would be named after Isa. In the last week, over £50,000 has been raised, which means a field hospital in Syria can be set up after Isa and will be run by HIHS in his memory.

On the Just Giving page, his friends paid tribute to him. They said: "Those who knew him personally, and those who have heard of him, will know what an amazing, inspirational, kind and deeply-caring person he was. It is quite hard to know where to even begin describing what an amazing person he was, and all of us are still in shock."

The donations, which came in thick and fast, came with comments paying tribute to him. Anne Hinojosa said: "I am so sorry to hear of the death of this brave young man. What a beautiful, inspirational human being." Not all of the donations were from fellow

Muslims; some appeared to be from people that did not know him personally and/or are not Muslim. Anthony Page said: "A brave man... Respect... from an atheist." At the time of going to print there have been over 900 donations.

Dr Mahmoud al Akraa, a close friend of Dr Isa, commented that "once you met Isa you never forgot him. He was so kind, so warm and so brave. He had the respect of everyone and would do anything to help others in need. One time one of the refugee camps in Syria had cholera and no doctor would go in, except Isa. He would risk his life for others. He worked up until midnight and would treat hundreds of patients each day. He would then sleep rough in a sleeping bag and often not wash for days."

There is more information on the field hospital being set up in his honour on the JustGiving page, where donations can be made: <http://www.justgiving.com/for-Isa>

What religion truly means

Isa's name translates to "Jesus" in English; Jesus is an important prophet for Muslims, one who strived for the betterment of mankind. Isa tried to emulate the qualities of the prophet by devoting his youth, health, richness, time and, ultimately, life, for the sake of God through humanitarianism. This beautiful example is particularly relevant in light of the tragedy that occurred in Woolwich earlier this month, showing how religion can be and is a motivation towards beneficence. Isa left Britain to use his medical skills to save lives, and both his death and the death of Drummer Lee Rigby have brought sadness to a great many people. The Quranic verse related by Deputy PM Nick Clegg last week at a conference with Muslim leaders thus feels particularly relevant: "If anyone kills a human being, it shall be as though he killed all mankind. Whereas if anyone saves a life, it shall be as though he saved the whole of mankind." My thoughts and prayers are with the families of both, and it is my hope we will see unity through their loss.

Nida Mahmud News Editor

The brave young doctor sacrificed his life to save the lives of others and he will be very sorely missed by the many family, friends and colleagues who knew him.

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Imperial College London students to dominate Engineers Without Borders Finals

Eoghan J Totten

Reporter

Three teams of prospective year two students dominated a 2,500 strong national field from thirteen Universities to secure a place in the Engineering Without Borders Challenge Finals taking place at Coventry University next month. The teams, consisting of individuals from multidisciplinary backgrounds (outside of Engineering) endeavoured to solve complex problems affecting the impoverished community of An Minh, Vietnam. All work was co-ordinated in context of the 'Global Challenges' field of Imperial Horizons. Their success manifests the core skill bases championed by Imperial Horizons tutors; many hope that it will mark the inception of more future success related to the ancillary courses.

The project took place over an eight week time frame. The students were essentially left to their own devices, being required to assimilate a system for solving a problem affecting An Minh, Vietnam. The students proved that they were commensurate to the task by hypothesising their own question and then creatively solving it. While the project required a significant component of Engineering the organisers stress those team players from non-Engineering disciplines were invaluable, contributing to the cohesion that delivered success in competition. Two PhD students mentored and chan-

nelled the efforts of the students, liaising with the teams to construct a portfolio recording the design process.

Raunaq Bagchi, one of the students that competed, said: "The Engineers Without Borders Challenge has been a great exercise from the start. The process of coming up with ideas and running through all the possibilities to try and design the best solution for people in other parts of world, is a great way to open one's eyes to the troubles many face. Now entering the final stages of the competition, I would say it's a bonus and an opportunity to see how our designs appeal to experts in the field."

The fruits of their labour were presented to judges at the national competition and as mentioned above three of the four teams will proceed to the Finals. The dominant team from each university is entitled to a place with seven additional places awarded based on merit. As cited by one Imperial Horizons member of staff,

"It is...an outstanding achievement that in our first year of running the Challenge we have managed to take two of those additional seven places."

As well as the competition the students will be offered opportunities to participate in 'innovative' workshops that seek to convey living conditions in An Minh and how the local community will benefit from the endeavours of the students.

Congratulations are in order for the following individuals (see box), who

have served as remarkable ambassadors for Imperial College London and highlight the potential of the intellectual arsenal imparted to students while studying at the university.

Imperial Horizons extended an invitation to anyone interested in next year's Engineering Without Borders competition – it is required that they enrol for the 'Global Challenges: Engineers Without Borders Challenge' on the website enrolment page. Applications close on June 6th.

The Teams

Team 1

Marcus Bishop
Shiladitya Ghosh
Aswhin Bhanot
Monal Patel

Team 2

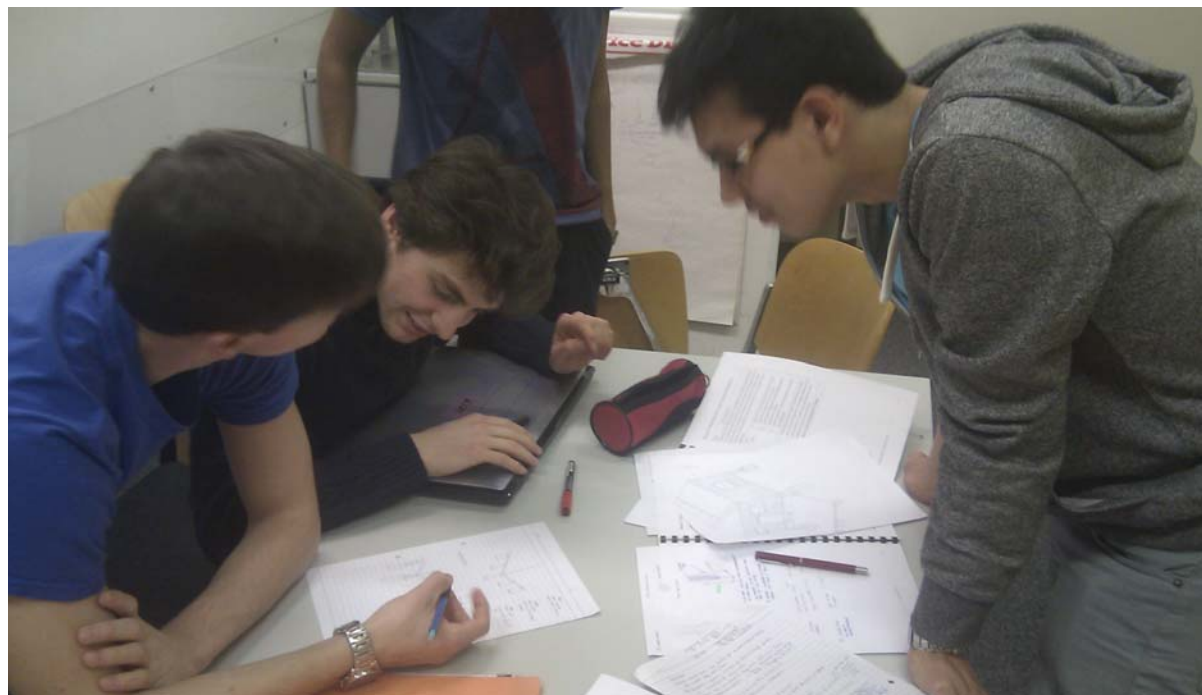
Raunaq Bagchi
James Metcalfe
Ahmad (Luq) Mohamed
Ali
Iacopo Russo

Team 3

Ashira Bindels
Bethan Doyle
Jimmy Lin
Duncan Lomax

»Comment: page 8

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NEWS

Extra Sabbatical remits discussed

Nida Mahmud News Editor

Union Council has discussed giving extra remits and reamaing the Sabbatical positions in the Union (except for Felix Editor and Medics President). Over the last ten years, the Union roles and remits for the President and four deputy Presidents have been kept relatively constant.

The paper was brought to Union Council by the current Sabbatical Team. It explains that during the last ten years, the Union has developed to be a different organisation to what it used to be: it is a registered charity that employs 45 members of full time staff and has a turnover of £5.5 million. External factors have also changed significantly, for example the change in tuition fees.

The current Sabbaticals are proposing changes to the exact role descriptions for the role of the Sabbatical; they also believe this is something that should be reviewed every 4 or 5 years according to the needs of current students.

A comparison of the Union with

other student Unions was undertaken. Comparisons were made with institutions that are a similar size to Imperial, as well as those who scored well in the NSS survey question where students are required to rank their students' union.

The paper states that the Sabbaticals believe the Union does not do enough to: support postgraduate students, support volunteering, support international students, support students based on campuses other than South Kensington, enable internationalisation amongst the student, effect liberation of minorities, develop student's career opportunities and campaign for fairer living costs in London. The last of these they say was under the spotlight "particularly this year, with #AgainstActon and the North Acton development".

The paper also says that the Sabbaticals are keen to add in careers, student development, an aspect of post graduate support and volunteering to the current role of the Deputy President (Finance & Services, DPFS).

This proposal has two discussion



The Union with its "come to bed" eyes

points. The first is adding in the remits state above into the Sabbatical roles. The second is renaming the role of the DPFS to Deputy President (Community & Development), where the remit of the DPFS will remain but with the aforementioned additions. The reason given is that "this would more aptly describe what the DPFS role does on a day-to-day basis"

The paper is clear to mention that the Sabbaticals are "not proposing removing any remits from any of the roles. We are happy (and believe) that sabbaticals in this organisation should always retain certain powers and ability to do things, even if they're not what they (going forward) are required to do day to day"

At the moment, it is merely a discussion and not an action.

Proposed additions to remits

President
Accommodation

Deputy President (Clubs & Societies)
Non-SK Campuses
Volunteering

Deputy President (Education)
Internationalisation

Deputy President (Finance & Services)

Student Development and Skills Development
Postgraduate Social
Volunteering Accreditation

Deputy President (Welfare)
Liberation
International students
Accommodation

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Historic library reopens



Before (left) and after (right) the refurbishment, it's like changing rooms

» continued from the front page

said: "The Library on the St Mary's site has always been a favourite with students despite its somewhat tired look. Many former students will remember it both as a place for study and to attend some wonderful social events. Thanks to a major refurbishment funded by The St Marys Development Trust and by Imperial College it is now a joy to behold and is fit for the 21st Century. It certainly invites study and there is provision

both on the ground floor and in the transformed gallery with modern facilities, superb lighting and comfortable furniture. There is an elegant staircase which allows easy access to the gallery. I hope it will be used and enjoyed by many present and future students and I also hope that alumni will make a point of coming to see the transformation which has sensitively retained all the oak and other features while becoming thoroughly modern. Deborah Shorley who was the Librarian in Imperial deserves a

special mention for her foresight and her perseverance."

Staff, students, doctors, medical professionals and the funders celebrated the reopening of the Fleming Library earlier this month.

The refurbishment appears to be a greatly needed boost to the library, which was last redone in 1982. The upgrades include a redecoration, new staircases, improved heating, lighting, Wifi, more computers, a study space and a training room.

The library – designed by Sir Edwin

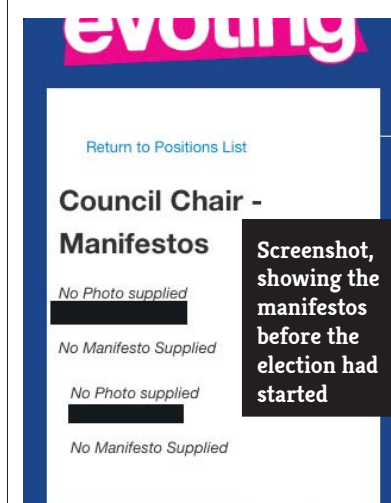
Cooper who designed many other buildings including the NatWest building on 1 Princes Street – was originally opened in 1933. The building was used for student activities up until 1982. It also played host to Gilbert & Sullivan productions over Christmas, one of which was attended by Her Majesty The Queen and Princess Margaret in 1945.

So, next year's stressful all nighters will be in a more modern setting.

Read online at felixonline.co.uk

Deputy President (Education) to be elected in Summer Elections

» continued from the front page



under less pressure than the others.

The Graduate Students' Union (GSU, formerly GSA) will be electing their committee for next year. Last year, many of these positions had to be re-run as nobody put themselves forward for the positions. This seems to be also happening this year, as multiple positions are uncontested. 8 out of the 14 positions available will have to be re-run as nobody is going for them. There is also the problem with one person going for two positions that cannot be simultaneously held.

There was a problem with the website for the elections. This year, the candidates submitted manifestos for the website by writing them in a text box on the website. They could therefore write a draft in this box, save their progress, and adjust the manifesto until the deadline. When the deadline had past, the manifesto would be locked from editing and the last version would be up on the voting website. During this election, there was an error, and students and, more importantly candidates, were able to see the manifestos that other candidates had submitted (pictured). This means that candidates could have changed their manifestos based on others that were submitted. The problem was swiftly rectified after the Union were informed of the issue.

This year, the position of RAG Chair will not be in the Summer Elections. This was instead elected at the RAG AGM. Fewer than 50 people attended this and the new RAG Chair will be Callum Kirk, who was this year's RAG Secretary.

The manifestos for the candidates and voting will be online at <https://www.union.ic.ac.uk/elections/>

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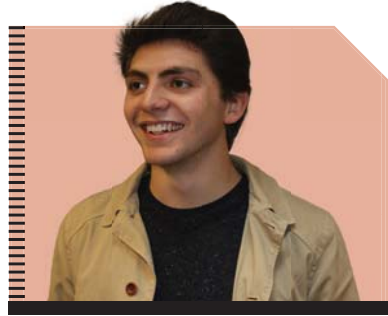
COMMENT

Comment Editors: George Barnett,
Navid Nabijou, James Simpson
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Engineering a good course

Iacopo Russo discusses the benefits of taking part in the Engineers Without Borders Challenge where he solved a real life problem

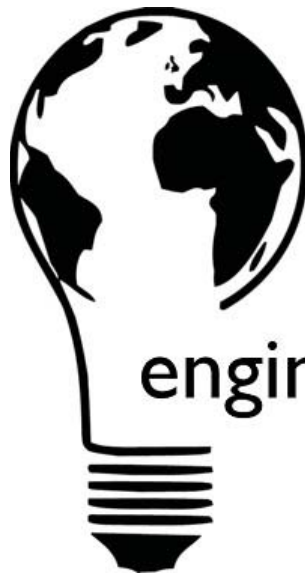


Iacopo Russo

When I found out that my team had made it to the finals of the Engineers Without Borders (EWB) Challenge I was of course really pleased to know that all of our effort was actually worth it. I feel really satisfied because I think that if they chose us out of the 50 teams in the UK and Ireland, this means the design portfolio and oral presentation we produced were valuable and we actually managed to apply our (engineering) skills to a real problem successfully.

I think there were mainly two good things about the Horizons course I took and the EWB Challenge in general: first, you get your hands on a real engineering problem and with the help of the data provided by EWB you have to come up with a solution that makes sense and takes into account all the variables of the real world; second, you get to think about the problems the world has from the perspective of the less fortunate, of the world's poorest, who don't even have safe houses or access to clean water, so you widen your point of view quite a lot and realise you can actually do something to change the situation.

This year, the challenge was to design an engineering solution for one of the many problems affecting a community in rural district of Vietnam, in the Mekong Delta. My team decided to focus on the "Housing and Infrastructure" design area: our objective was to improve the design of the houses and buildings this rural district so that they could provide a safe shelter for the families against the threat of rising sea water levels, pests and extreme weather



engineers without borders uk

events. During the eight weeks of the course, we learnt how to assess our strengths and weaknesses (in terms of knowledge, skills, interests), how to better define the question and how to choose the best solution among a few that we had come up with. The fact that we are now in the finals shows that we probably managed to do this pretty well!

The course was very well designed (especially if you consider it was the first time it had been run), and I think Elizabeth [the member of staff at Imperial Horizons] did a very good job in matching the assessment criteria for the Horizons course to those for the national competition. This course was actually special, in that it was both organised by Imperial (and so the final mark we got will go on our transcript, I think) and by EWB. We didn't have to do more work when submitting the

design portfolio and the oral presentation to the competition because, as I said, the "marking scheme" was the same.

I would recommend this course to next year's first year students, as it gives you an insight into what they call the global dimension: it helps putting your course and the things you study in the right perspective, thinking about what the real problems that the world faces today are and what we can do about it. I also very much liked the fact that the cultural and social side of the issue was highly stressed: we learnt that for a design solution to be accepted, it must be consistent with the cultural and social characteristics of the community you are implementing it in. When you are dealing with communities whose culture is very different from the Western, this requirement becomes especially stringent. I

guess this is the reason why the whole programme is called "Horizons Global Challenges": it forces us to widen our perspective to include multiple points of view, because only in this way we can understand each other even if we are from different parts of the globe and work together to solve those problems that can be solved only by a communal effort (see Climate Change, Global Poverty).

So yeah, the finals are now a very good opportunity for us to find out how other teams from the UK have approached the issue and maybe learn something new about how we could improve the way we have approached it. It will also be a good opportunity for us to confirm that coming from a good engineering university means that we can actually be quite good at solving engineering problems (in fact, we have three teams in the finals...)

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Letters



By selling use of the sports grounds to the highest bidder, College is forgetting the families of the WWI dead who paid for them

I have to say that it is my view that this communication should be going to the Rector of the College and in my day as a student we would have had the right to take a letter straight to his door. However of course in my day I could have raised this matter to the rector either in my weekly meetings with him, by picking up the telephone or by raising it at the Governing Body or Finance and Executive committees. However it seems that in today's world even the alumni have to take a back seat in regard to communications with college officials and hence I am forced to write to you.

You will probably have grasped that this is not a letter of commendation to the college but a letter of complaint and I would like a formal response and explanation.

Two weeks back I attended my regular alumni event at the college by participating in the president's match day celebration where alumni and students meet and come face to face across the playing fields at Harlington and battle out for supremacy. I have been participating in this particular event since 1984 when as a fresher I was selected as the university centre half and had the privilege of playing against some ex-students who promptly taught me a thing or two about hockey.

What I and others learned about team work, fair play, strategy and determination on the playing fields at Harlington during our time at IC should not be under-estimated. Frankly I believe that it was far more important training for my time in industry than what was given to me in the lecture theatres and labs at the South Kensington site - 99% of which I would never use again.

Over recent years I had noticed a ris-

ing presence of commercial influence at the Sports ground during these events, but this year was frankly unbelievable. On arriving at the gate to the ground an officious man in a security uniform met me and told my family and me that we had to park our cars in a space a great distance from the pitch next to a set of bins. I was told that I could not park where I had parked every year for the last 30 years over-viewing the pitch - so that in the event of rain my family could retire to the car and still be able to see their old dad give the young lads of the uni an education in the art of hockey, because that space was reserved for "the first team". Indeed there was a barrier across more than half of the car park which was manned by another officious man in a security hut and beyond this barrier was a set of ostentatious cars belonging, as it turned out, to players from some half-baked football club, none of which have probably got a set of A' levels let alone been enrolled on a course at our treasured college in central London. I asked Mick Reynolds, the out going groundsman - whose first year in charge was the same year that I entered as a fresher at college - what was going on and he expressed dismay, explaining that alumni and students were not allowed in the vast majority of the clubhouse because the college had let it out to this football club! What was more my 10 year old son was thrown off one of the football pitches where he had wanted to kick his football in one of the very many unused goals because supposedly it belonged to the reserve squad.

Let me get something straight here - I was appalled to see that my college had sold out to profit, and that today alumni and students came last in the order of priority for use of college fa-

ilities. What is going on? Have you all gone completely insane? You are a university - you are meant to educate the young men and women of this country and in the process, make Britain great. You are not meant to be selling out to the highest bidder and squeezing students into a corner by a set of bins. Students are the entire raison d'être of the college and aside from matters of security there should be no place that they should not be allowed to go.

This is particularly the case with Harlington and the Boat House in Putney. It seems the College has conveniently forgotten where these facilities came from and who paid the price for them. Just to remind you - if you read the governing body minutes dating back to the period just after World War I - as I have done - and trace the history forward to today you will learn that Harlington and the Boat House in Putney were bought with the proceeds of sale of the War Memorial Ground in Wembley North London. That in turn the War Memorial Ground was bought with funds raised by a trust established to commemorate the fallen in WWI a trust called the War Memorial Fund. These grounds were bought with the blood of fallen students in World War I and through the charitable giving of other students and their families at that time who all expected the money they were giving to go for the good of students. To instead put students at the bottom of the line of priority is a gross breach of trust and makes me feel sick in my stomach. When I was president of the ICU in 1987 the then Chairman of the Governing Body a High Court Judge recognised the importance of the heritage of these sporting assets and forced the college to return them to trust for the good of the



students. It now seems that his ruling has been completely disregarded by current college administration and not only do I and my children have to be marginalized by someone who does not even work for the college on the one day that I wish to show off the wonders of my student heritage to my family but it appears that the students have to play second fiddle the entire year around.

I would like to understand for the sake of the fallen students from World War I and their memory, exactly how much money is being made from the letting of these student facilities to outside bodies and how the college justified the detriment suffered by the student body as worth the benefit of the money raise, and I would further like to see how this money is being spent to the benefit of students and in particu-

lar student sporting activities. Please note that I will not be swayed by any use of this money that in my view is being used to reduce the grant that central college has been obliged to pay to support student sport and other recreational activities since the establishment of the college back at the turn of the last century. I expect to be able to see some demonstrable improvement in benefits to the students that has arisen out of the letting of these facilities which might make it worthwhile my family being stuck by a set of bins and us all (students, alumni and their families) being treated like third class citizens.

Ian Howgate
Imperial College Union President
1987-88



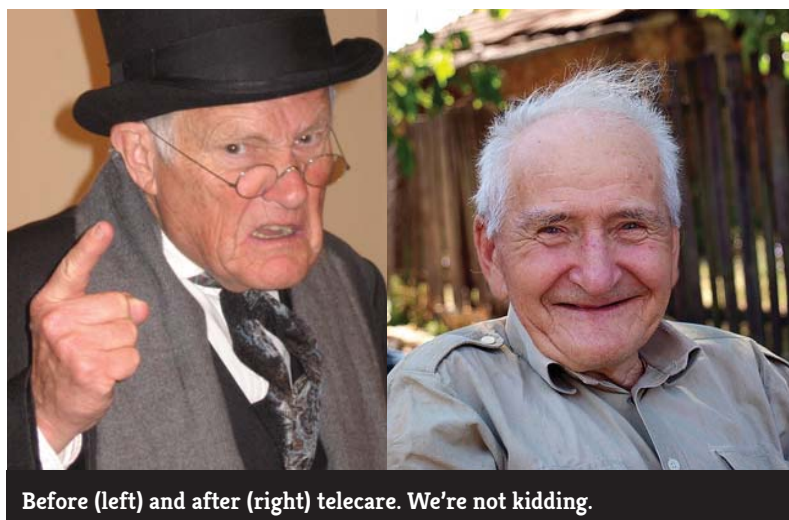


A little bit of TLC

How best can we care for an ageing population? **Sophie Shina** looks at telecare

One third of babies born in 2012 are expected to celebrate their 100th birthday, according to government statistics. Whilst ageing populations are a victory of development, health and social care systems are struggling to cope with the burden of long-term care. As a result, the need for healthcare innovation has intensified — is large-scale telecare implementation the answer we are looking for?

Depicted by one patient as like having a “little nurse sitting on [his] shoulder,” telecare is an innovative eHealth service which aims to help patients who are either frail and elderly, or who have a long term condition, to live more independent lives. It uses a combination of sensors, alarms and other equipment to monitor changes in a patient’s health. The most common forms include personal alarms, whereby pressing a button on a pendant alerts a local control centre, and motion sensors which automatically



Before (left) and after (right) telecare. We’re not kidding.

control bathroom and hallway lights, thereby reducing the likelihood of falls.

Telecare can significantly increase the quality of life for people with a high dependency on health services through facilitating self-care and re-

ducing disruption associated with routine check-ups and unplanned hospital admissions. Headline findings from the Whole System Demonstrator Programme, the largest randomised control trial of telecare to date launched by the Department of Health

in 2008, were strikingly positive. They revealed not only reduced costs, but also improved patient outcomes with a 45% reduction in mortality rates. At the moment there are at least 1 million telecare users in England, predominantly women over 70 who are living

duced the 3millionlives initiative in 2012, which aims to extend telecare to 3 million more people over 5 years.

However, the evidence about the effectiveness and efficiency of telecare is controversial. Many academics have criticised the early evaluation of the Whole System Demonstrator Programme and the subsequent haste to make policy based on what they perceive as little evidence. Indeed, the latest analyses of the programme released earlier this year found no significant positive impacts for patients or on the use of other health and social care services. In addition, there have been several unfinished pilots over the last few years as a result of the organisational and operational complexity of telecare implementation.

So is the scale up of telecare an ambitious gamble by a government with scarce resources? Or is it a key pillar for effective and efficient care delivery to ageing populations? Without a credible evidence base, we can only speculate.

Telecare ‘is like having a little nurse sitting on my shoulder’

alone. Based on the headline findings of the Whole System Demonstrator Programme the government intro-

Primes, primes everywhere!

Andy Roast

Science Writer

Mathematicians from the US, Hungary and Turkey just might be one step closer towards the impossible. One of the greatest problems in number theory is determining whether the number of prime tuples, prime numbers which lie very close to each other, is infinite. In short, “are there an infinite number of prime tuples which lie next to each other?”

The authors present a mathematical technique which shows that there are an infinite number of prime tuples within 16 or less from each other. While this does not fully solve the long-standing problem, the research published in *Annals of Mathematics* at least offers a “partial solution”.

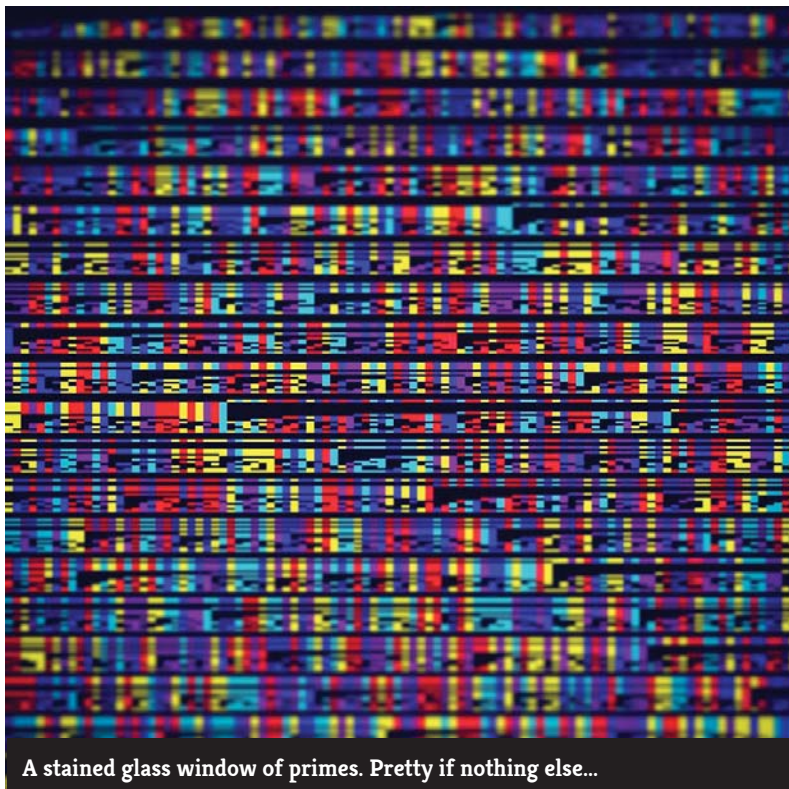
Prime numbers are divisible only by themselves and 1. For example, 2, 3 and 5 are all prime since they can only be divided by themselves and 1. Whereas 4 is not, since it can be divided by itself, 1 and 2. This makes it seem that there are less primes than there are positive integers; however, mathematics can tell us that there are as many prime numbers as there are positive integers.

However, as the size of the number increases, the distance between adjacent prime numbers also increases.

This means that the chance that any given number is prime decreases as the size of the number increases. The research indicates that even with a decreasing probability of finding two primes close to one-and-other, primes

with very close neighbours are still infinitely many. A weird result, since this means that prime tuples are as numerous as the set of positive integers.

DOI: 10.4007/annals.2009.170.819



A stained glass window of primes. Pretty if nothing else...

SCIENCE BITES

Why does cut grass smell?

It may smell great, but did you know it’s actually a plant’s distress call?

You’re chopping it to smithereens, what did you expect it to do?

Causing tissue damage to grass by cutting it causes it to release volatile organic compounds, collectively known as green leaf volatiles (GLVs). One effect of GLV release is to attract predatory insects to defend the plant, though how effective they’d be against a lawnmower is another question.

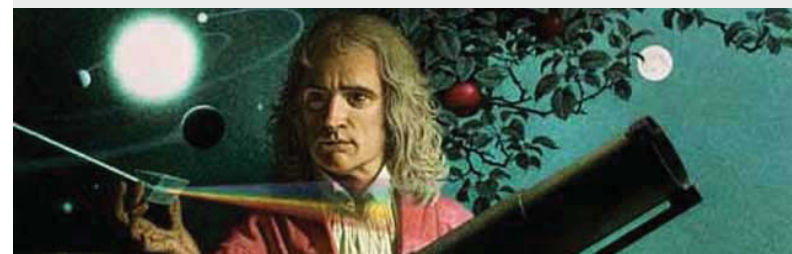
Unfortunately for grass the resulting released GLVs also create the pleasant odour associated with a freshly-mown lawn. And so the carnage continues...



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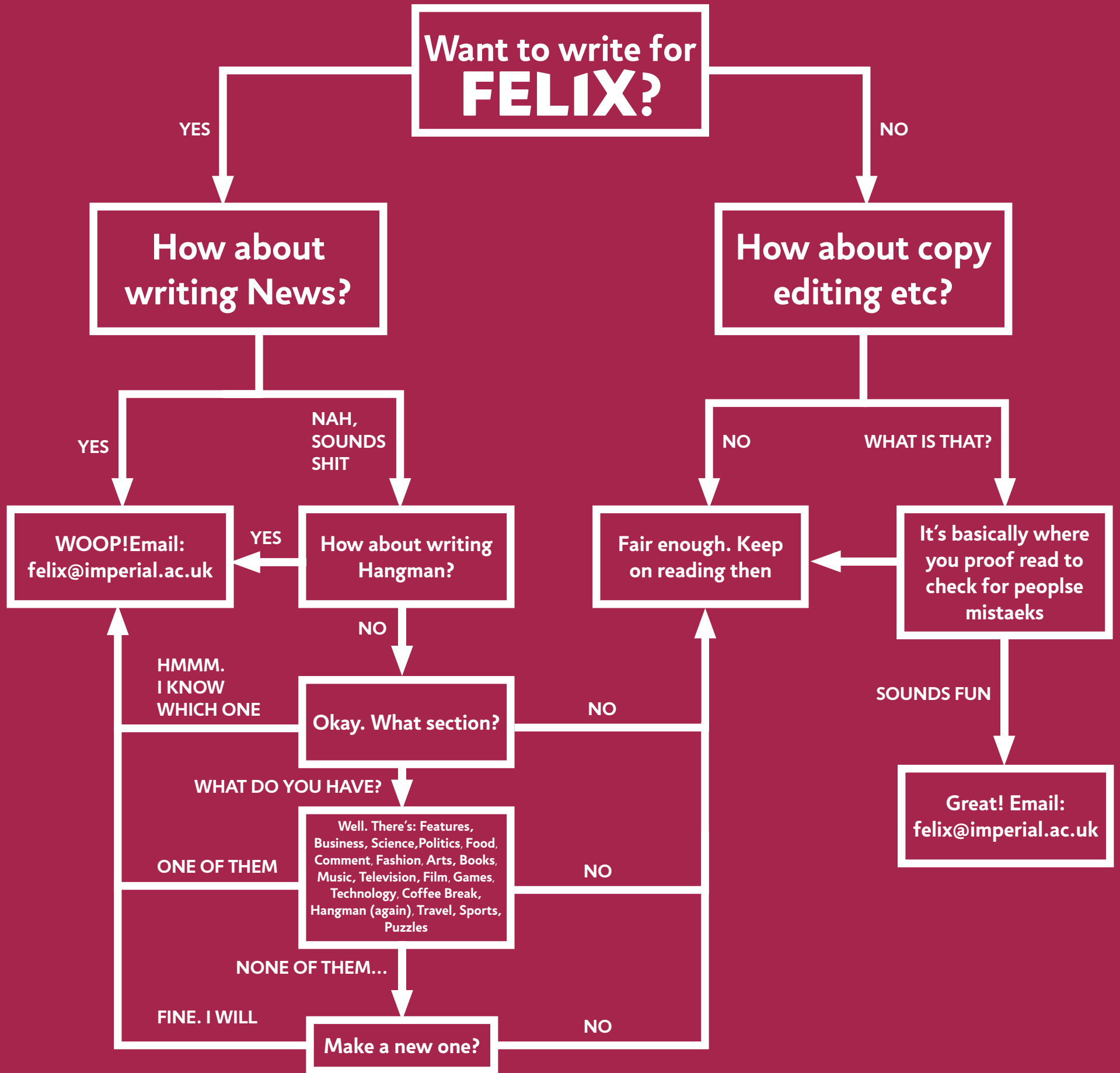
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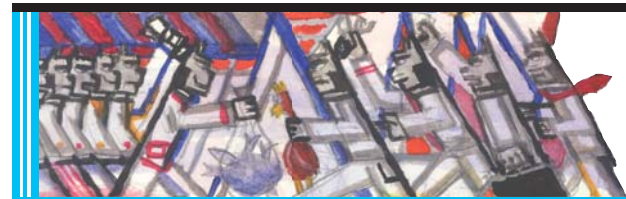
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BUSINESS

Stop talking, start interviewing

Ananya Das interviews **Sháá Wasmund**, the author of *Stop Talking, Start Doing: A Kick in the Pants in Six Parts*

Ananya Das: You have a fantastic entrepreneurial career, have there been moments when you needed 'A Kick in the Pants' similar to in *Stop Talking, Start Doing*? If so, who or what did you turn to for a bit of encouragement or motivation?

Sháá Wasmund: Being constantly motivated to work hard is one of the main reasons I've managed to act on my ideas and launch so many businesses. I managed to keep myself motivated by surrounding myself with inspirational and successful people. Ex Minister for Trade and Chairman of Dyson Sir Richard Needham has been my mentor for years and founder of the MOBO Awards Kanya King is a close friend of mine. These people don't achieve phenomenal success by sitting around. Their enthusiasm and determination to succeed is infectious and definitely rubbed off on me.



AD: You have been voted as one of the UK's Most Connected Women by the Institute of Directors – have you come across much competition or negativity from male colleagues in business?

SW: I've not really come across any extra competition from male entrepreneurs than female ones. My view is that collaboration is the key to success. If I help someone out then if I need a favour in the future they will

be more inclined to help me. I think by genuinely trying to help anyone I can, I've managed to avoid competition.

AD: A lot of well educated young graduates are finding it increasingly difficult to find jobs, what advice would you give them to stand out in the business world?

SW: Have they thought about starting their own business? These days you can set up a website and start a business from your front room, all you need is an internet connection. There's a brilliant support network out there for young entrepreneurs now too, the web provides so much advice and offers more ways to get in touch with people than ever before. So you could argue it's easier to access customers and find yourself a mentor. There seems to be so much doom and gloom about the recession, but I think young people should take a step back and try to look at this as a wonderful opportunity.

AD: Some graduates are deciding to set up their own businesses. Are there any top tips you could give for expanding small businesses?

SW: Collaborate, work hard and market your hind legs off. To grow your business you need to make sure

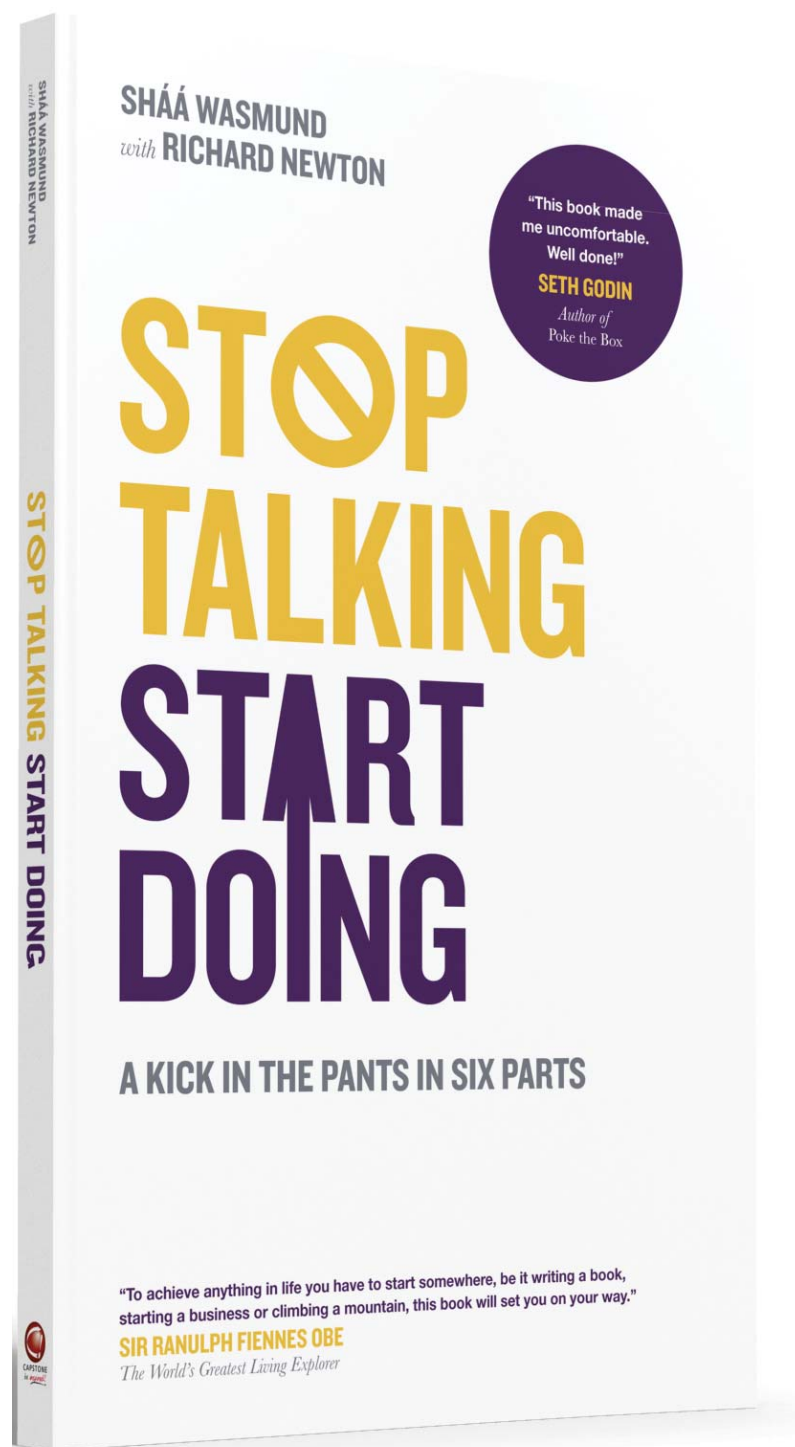
people know about it. It's easier and cheaper than ever to do this. Look at the tools at your disposal, one example being social media – it gives you a direct line to thousands of customers for free.

AD: How much of an emphasis would you put on 'networking' and 'knowing the right people'?

SW: Getting yourself out there and meeting people is a huge part of growing a business. You need to network

There's a brilliant support network out there... the web provides so much advice

If I help someone out then if I need a favour in the future they will be more inclined to help me



and hear ideas from other people. Locking yourself in a room by yourself means when you get stuck you have nowhere to turn. Getting out, meeting other entrepreneurs who've been through the problem you are going through means they can show

you how to solve it. It also helps you to come up with new ideas yourself. If you're looking to launch and grow a business then I'd say get out and network as MUCH as you can.

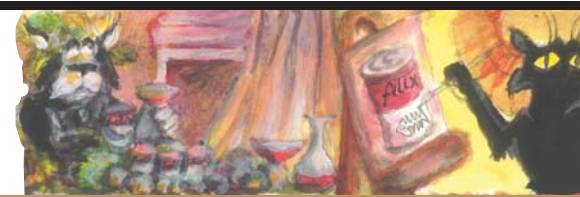
AD: Many thanks for your time!

Succeeding in business is hard, but succeeding in writing for Felix is easy. All you need to do is write something and email it to felix@imperial.ac.uk

ARTS

Arts Editors: Eva Rosenthal,
Meredith Thomas

arts.felix@imperial.ac.uk



DOODLE OF THE WEEK



Why work? Instead, doodle all lecture long and then send us your drawings to arts.felix@ic.ac.uk. Doodling regular, Umar Hossain, is back this week with an indication he may be coming unplugged.

A stone's throw away



TIRED OF LIFE?

Our pick of what's on in London

Art Car Boots Fair @ The Old Truman Brewery - This annual event, now celebrating its tenth anniversary, has the stated intention of "re-introduc[ing] some summer fun and frivolity into a thriving but increasingly commercial London art scene". Bring pocket money and a friendly disposition. 9 June

The Drowned Man: A Hollywood Fable @ Temple Studios - The infamous theatre production company returns to London and the National Theatre with a major, new production. Their unique brand of immersive theatre is perfectly suited to exploring their new themes of illusionary reality in film and life. 4 July - 30 December

Dr Sketchy's @ Vauxhall Tavern - I am pretty sure we have mentioned the Dr Sketch phenomenon before but maybe it's time again. The concept evolved in the States by the illustrious Molly Crabapple is an intoxicating bend of Burlesque, drinking and drawings guaranteed to be an evening to remember. June 19

Bourgeois & Maurice @ London Wonderground - The subversive, funny and profoundly fabulous cabaret double-act are playing for one night at London Wonderground at the Southbank Centre. Get ready for a rock-n-roll-pop-ballad-disco-fusion rollercoaster ride through the 21st century. May 31



Tim Arbabzadah Editor-in-Chief

Museums are funny places. Not har-har funny, and not even someone tripping and then pretending they actually meant to stumble for a few steps funny. They're funny in that many people wait until they are abroad to go to them. I do this quite a lot. Justin Bieber did that once in Amsterdam, but the less said about that the better. So I guess I shouldn't have said it all then.

Anyway, even though there may be a great museum on my doorstep, it'll take me years to go there - a good example is the V&A, which I first stepped into after being in London for a whole four and a half years, not to mention the fact that I walked past it on a daily basis.

I recently went to the British Museum. I may have been before when I was younger, but if I had then I certainly don't remember it. Everything about the place is impressive. The majestic architecture of the building is the first thing to strike you. It's detail and size is just awe-inspiring.

Once you move inside, you realise just how much there is to explore. If you like to go around reading every bit of information and looking at each individual item in a museum, then good luck to you here: there's so much on offer that you may end up having to live there for a year.

The Rosetta Stone is one of the most famous attractions. In the flesh, well, stone, it's incredible. The *Rosetta Stone* is what allowed us to understand hieroglyphs. Inscribed on it is a decree from King Ptolemy V in three different scripts: Ancient Egyptian hieroglyphs, Ancient Egyptian Demotic script, and Ancient Greek. Having actually learnt Ancient Greek for two years at school, which on reflection was probably an odd choice; it was a particularly fascinating experience for me. Although my knowledge of the language may not extend far past knowing the phrase for "under the tree" it was fun to have a stab at translating it. Be warned though, there will be an army of tourists with various different cameras constantly snapping away.

The British Museum houses many

ancient ruins. Amongst the most impressive of these are the Parthenon sculptures. Countless other ancient civilizations are explained with structures exhibited. From China to the Babylonians, it's all on display in some form. There are extensive exhibitions on the Far East that have many beautiful items and interesting explanations.

When walking through the Ancient Middle Eastern structures, the size of some of the statues that survived from temples and palaces makes you wonder how they were built - at the time they were constructed modern machinery was still literally thousands of years away.

This being a newspaper, it should also be noted that the history of writing was particularly interesting. How writing changed and evolved from early writing and cuneiform to what we see today is astounding. The thought that is most difficult to get your head around is that, at one point writing did not even exist.

The British Museum is in the heart of London. It's easy to get to, so you have no excuses not to go!

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Soar Like An Eagle?

Lilly Le examines the intricacies of **Laura Marling's** latest effort

It is slightly perplexing for a few seconds. **Laura Marling** is a name seemingly sliding off everyone's lips at the moment, yet still, seems to be unheard of to more than a fair few. Widely known but remaining anonymous, this enigma-like quality continues to run through her music, her fourth album, *Once I Was An Eagle*, being no exception.

The first single, 'Master Hunter' is the most poppy song on the album. Poppy, in this context referring to the most catchy and structured track. Dylan references and the only song which features prominent drumming, it is no wonder that it was chosen to be the one of the first previewed prior to album release.

Most of the other fifteen are more akin to long, insightful musings. Per-

sonally, I am a great fan of such stuff; for those who are not, it is probably not an album for them. Surprisingly, *Once I Was An Eagle* is not an album I would judge people for disliking. It is not an album I would try and ram down my friends' throats. Unlike her previous releases, and especially unlike *I Speak Because I Can*, darling Marling seems to be finally releasing music which I can imagine many listeners not enjoying.

With each LP, she has become more distant from her early teenage releases. Previously full of haste with an annoying "folk" image, dropping **Noah and The Whale's** Charlie Fink in favour of Ethan Johns' production was probably the best thing she did musically. Since then, her songs have matured at impressive speed. Marling has gone from moulding



AMS album of the week

Deafheaven - *Sunbather*

With my short side-parted hair and corduroy jacket, I'm about as far away from metal as you can get. Always open to new experiences, however, **Deafheaven's** upcoming sophomore album *Sunbather* caught my eye. Described as "shoegaze with black metal drumming and vocals," and with a cover more reminiscent of drinking pink lemonade on a summer's day than of satanic rituals in Norwegian forests, it looked to be far from the usual black metal fare. It seems that the span from shoegaze through post-rock to metal may not be an impossible one to bridge.

Beginning with an unrelenting torrent of distorted guitars and frantic drums, it lives up to the description: this is undeniably black metal – purists may claim that it's not "true" enough – but with a major key, a series of powerful crescendos and melodic tunes picked out on the lead guitar, it takes the genre in a completely new direction – at least to this outside observer. This may be the most uplifting album I've heard all year.

While I'm no stranger to screamed vocals, those who are certainly shouldn't be put off – incoherent and fierce, yet not grating, they blend so well into the mix that they become almost like just another guitar effect. They could just as easily be screams of anger as they could of pure, unadulterated joy.

The album's fourth and central song, 'Please Remember', provides a brief respite after twenty minutes of the near-continual wall of sound with sampled speech over a back-masked strings loop which eventually decays, drowned out by ever-increasing distortion until a soft acoustic guitar rhythm plays out the rest of the track. This wouldn't sound out of place at all on a **Godspeed You! Black Emperor** album, yet fits perfectly here, before the following track slowly builds back up to the unmistakable phenomenally fast-paced metal sound.

Undeniably heavy and powerful, yet at the same time optimistic and dreamy, metalheads and shoegazers alike should find something to enjoy here. This album is, if you'll pardon the phrase, not black metal but bright metal.

Keir Little



herself to fit a London scene to an independent songstress brimming with Americana; with four albums under her belt at the age of 23.

Her latest one opens with a four-song medley, previewed via a beautiful film full of twirling dancers and romancers 'When Brave Bird Saved.' This, combined with three which have been streaming on her Sound Cloud for the past couple of months, make the 16-track album less of a daunting thing. Plus, don't bother with 'Interlude'.

The remaining eight require two things to be enjoyed. Firstly, being in the right mood. Many people mistakenly believe this would be a depressive one, but I would personally warn against that (it doesn't help) – more of a state of contemplation and retreat. Secondly, it requires listening several times. This is no bad thing, the best songs are the ones you get to know over time rather than those which jump at you first time and hardly ever again.

Compared to earlier records, the pieces are less layered, mainly focussing on her guitar and her voice joining in here and there, humming along only when she feels like it. Marling's poetic prowess is not lost, but is half transferred to the musical bed rather than fully channelled through the lyrics as they used to be.

What hasn't changed, however, is her aloof approach to song-writing. It is obvious that the songs do not come directly from personal experience, but more of an empathy for the

characters she sings about. Plus, she is a great source of inspiration when trying to find a book to read – one which has moved someone to write a song about it is obviously one worth getting lost in. I tip my hat off to Salinas (off of third album *A Creature I Don't Know*) and its nod to Steinbeck's East of Eden.

Rather than the majestic instrumental composition which bathed previous releases, the parts that jump out are the tender guitar strings which echo the melody of her voice. Try 'Little Bird' and your heart will swell as she sings the name "Rosie".

Instead of her long poetic verses, which bulked up older albums, are short, sharp phrases which send chills down the spine.

"I don't care where you've gone beast – I care where you go." – Take the Night Off

"When we were in love - if we were - I was an eagle and you were a dove." – I Was an Eagle

"Wrestle in the rope from darkness is no fucking life that I would choose." – Master Hunter

"Maybe I like pleasure-pain." – Little Bird

"You weren't my curse. You weren't my curse. Thank you naivety for failing me again." – Saved These Words.

This closing track, as they usually are, is the personal highlight of the album. Understated and elegant it leaves the listener with a sweet aftertaste. It is similar to watching a touching film and for five short minutes feeling as though you see your life in a whole new way and that you are a completely different person.



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MUSIC

Cassette Culture: RRR Records

Riaz Agahi talks to Ron Lessard, head of seminal noise label RRR

After hearing about RRR records through their Recycled series, I discovered a contribution to the development and proliferation of noise music that goes far beyond a series of tapes which brings together some of noise's most important artists. Based in Lowell, Massachusetts, RRR has the distinction of being the first American label to release Merzbow, effectively globalising noise. Despite that, the label's profile is lower than Merzbow and the like, and this is because rather than sticking with the artists it helped establish, the label has relentlessly focused on new discoveries. This is RRR records' truly underground ethos, which I felt worthy of further examination, so I got in touch with label founder and head Ron Lessard.

Riaz Agahi: What motivated you to start RRR?

Ron Lessard: I've been passionate about record albums since I was a teenager, it's a passion that grew into an obsession – opening a record store was the natural direction for my life, it's the one thing I always cared about – y'know that old saying about finding what you love in life and you'll never have to work again? Well, it's true – I followed my passion and that's the best thing anyone could ever do.

RA: How did you get in touch with Japanese artists like Merzbow and Aube?

RL: I didn't get in touch with them, they got in touch with me – back in the day when there was no "scene", it was just a bunch of us guys who traded tapes with one another, there used to be a number of fanzines and publications that promoted tape trading and those guys read about me in a magazine somewhere. I was the American guy who understood what they were trying to do so they said hello.

RA: What is it about the cassette that's made it so heavily a part of the noise scene?

RL: At the time, internet didn't exist and making records for that weird recording you made last night was totally out of the question. Cassettes were cheap, you could buy them anywhere and most importantly, you could make them yourself at home – and because of that, cassettes was the medium of choice.

Digital technology has changed the way noise gets disseminated but that

original cassette camaraderie still exists and it seems to be getting stronger – cassette labels are popping up left and right – I totally understand the love for cassettes, it's the need for human connection – clicking a button to hear something on your computer is swell but it could never match the appeal of getting something in the mail that someone made just for you.

RA: How did the recycled series come about and do you have any personal highlights?

RL: Most labels put out cassette after cassette of the same people – I wanted to do just 1 cassette by everyone – as a theme/direction for this concept, I decided instead of original works by these artists, I would ask them to recycle their own or someone else's recordings (recycling is remixing, tearing it down and rebuilding it) – I would then take those recycled recordings and record them over pre-existing cassettes – that **Twisted Sister** tape got taped over by **Merzbow**, the **Billy Joel** tape is now an **Aube** tape.

I no longer ask the artist to make their master based on recycling/remixing – I'm happy to accept new original material – I no longer ask well known and successful artists to

participate in the series, I try to only release the unknown, unloved, unaccomplished – the new recruits, those who are just beginning their noise journey – I see no reason to support those who are already successful, they already have their support mechanism in place – the unknown, unloved have no one who cares and that's why I want to use this series as a support mechanism for the new recruits

There was a time when the noise scene didn't exist, everyone was unloved and unaccomplished – but when we found each other, we knew we had to support each other – now the noise scene exists but it still has the unloved and unaccomplished – they get my full support, I remember what it was like when no one cared.

RA: How do you feel the noise scene has evolved since the beginning and is it for better or for worse?

RL: Well, the big difference is the noise scene actually exists now – there was a time when only the artists knew each other and the information was hard to get out, now the information is easy to get out, it happens every second of every day – and now there are so many people who listen to noise for their own personal pleasure, it no longer revolves around those



with the NEED to make noise – it has become an acceptable form of expression and because of that, you have to take the good and the bad.

RA: Kind of a more general question is about the origins of noise as a genre. There were academics like Luigi Russolo at the start of the 20th century who promoted it as an idea, as kind of the next step in the evolution of music because the human ear had become adjusted to the noise of the urban industrial environment. But then on the other hand, there's more anarchic genres like punk and grind, which seem more organic in their approach. Do you feel it's a combination of both, or one in particular or something else entirely?

RL: I was listening to the academics before punk and grind were even genres – and many of the original noise guys did also – me personally, I never read that Russolo manifesto, I don't care about the theory, I only really care about the results – does it speak to me, does it convey a mood or expression that I can identify with – all the theory in the world ain't gonna make me like it, that's just some guy trying to explain himself.

I can certainly appreciate the organic approach, those guys make noise because their passion compels them – I love those guys, it's all about bareing your soul.

RA: As kind of an extension of the last question, how important is industrial?

I'm not a fan of industrial, it sounds too much like people singing songs. GX Jupiter-Larson (of **The Haters**) said it best... "Industrial is singing about fire, Power Electronics is screaming about fire, Noise is starting

your own fire."

RA: Merzbow once said that Western noise was too academic, do you feel that there's major differences in noise from each country?

RL: Everyone has their own ideas and perceptions – some countries do have their own identity of sorts, no doubt due to their cultural environment:

England – big on power electronics
Germany – big on power electronics
Japan – big on noise
USA – big on noise

Make of that as you will, I won't make any judgements.

RA: This doesn't really have anything to do with the interview, but I got this cassette single with my recycled tapes that said Autromatic on the side, wasn't sure what this was but it was a pretty great tape.

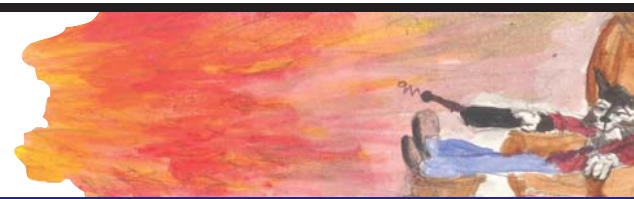
RL: Actually this has everything to do with the interview because it goes back to my wanting to support the new recruits – I don't remember that cassette but I'm in the habit of giving away cassettes by unknown artists whenever I get an order – it's another way I support the unloved and uncared....

RA: Are there any new artists on your label you'd especially recommend?

RL: Ha! - all of them.

Buy RRR music from <http://www.rrrecords.com/>
To hear John Wiese's entire recycled tape, visit <http://www.icradio.com/schedule/228491>





Spinning chairs

Stephanie Walton voices her opinions on the BBC's talent show

Some people really can sing. And I don't just mean in tune with a token crescendo or diminuendo. I mean with style and true feeling.

The Voice is a TV show which searches for these very people and assesses them on the quality of their voices alone. In the so called "Blind Auditions" the vocal coaches cannot initially see the contestants as their chairs are turned backwards. If they like what they hear and want the singer to join their team they press their buzzer and their chair spins around. This can be exciting and nerve-racking; if no one spins around the contestant goes home. And if more than one coach spins around a fight for the singer ensues. Unlike *The X Factor*, in which the best, worst, and most unusual acts are televised, *The Voice's* Blind Audition contestants are selected on vocal merit. Whilst the first round of *The X Factor* can involve

laughing at the poorer contestants rather than enjoying the better performances, the contestants in *The Voice's* Blind Auditions are of a consistently high standard. After the Blind Auditions, the competition continues with battle rounds between team members and eventually a live sing off before an overall winner is crowned. These later rounds are not as thrilling as the initial Blind Auditions but are nevertheless a fine showcase of vocal expertise. *The Voice* is a talent show like no other and most certainly deserves your attention.

The Voice started in The Netherlands in 2010 and was such a success that it has now spread to 50 other countries or regions, 8 of which also have children's competitions. In the UK we are currently mid-way through our second series with our four vocal coaches making excellent television; Danny O'Donoghue is a real charmer, will.i.am provides constant amuse-

ment, the gifted Jessie J's hair styles and nails are extraordinary, and Tom Jones is, well, Tom Jones. If, however, the UK programme irks you for some reason, try *The Voice Australia* with the beautiful Delta Goodrem, *The Voice Holland* in which the coaches' feedback is in mind-boggling Dutch or *The Voice Ireland* in which the coaches sit on differently styled red chairs and argue a lot.

But before you get stuck in it is my duty to warn you of the possible side effects of this programme. Firstly, revision efforts could be hampered; you can find more than 8 hours of Blind Auditions' footage on BBC iPlayer. And secondly, there is a risk of suffering from what I like to call, for obvious reasons, the "Wimbledon effect". You start to believe that you too can sing despite 25 years' worth of evidence suggesting otherwise. Singing in a crowded lift is still, I repeat still, unacceptable.



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The Business School is pleased to announce the winner of the iPad prize draw which took place at our recent Experience Evening.

Congratulations to Lucy Asanache, shown here receiving her prize from Programme Director and Principal Teaching Fellow, Colin Love.



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Find out more and apply at:

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CAST YOUR VOTE!

Opens 12pm, Monday 3 June
Closes 12pm, Friday 7 June

imperialcollegeunion.org/vote

union SURVEY

TELL US WHAT YOU THINK

YOU COULD WIN AN IPAD MINI & MORE GREAT PRIZES!

imperialcollegeunion.org/survey

What would you do with £300,000 for sustainability projects? Send us your ideas



Imperial College Union is bidding for up to £300,000 of funding to create a new generation of environmental and sustainability-focused projects here at Imperial – and we need your suggestions.

Whether it's reducing the environmental impact of private accommodation, growing food across campuses, holding a conference or creating new ethical training and development schemes, this is your chance to turn your idea into reality.

If you can think of something with the potential to change Imperial's footprint and create generations of graduates literate in sustainability, let us know.

The key themes are student participation, partnership, impact and legacy. There is an Idea Bank available here – provided by the National Union of Students, who are running the £5m scheme on behalf of the Higher Education Funding Council for England.

Please send your ideas to Andrew Keenan, Education & Welfare Manager on a.keenan@imperial.ac.uk, by Monday 3 June 2013.

National Student Survey - prize draw winners



The overall turnout for this year's National Student Survey (NSS) at Imperial College was 81% - 10% higher than last year. Ipsos MORI ran a prize draw during this year's NSS and there were eight lucky winners of our prizes - congratulations to you all! The winners are:

£20 Union Shop Voucher:

- En Wei Michael Chow – Chemical Engineering
- Alexandra Hamilton – Life Sciences
- Cristina Grigoruta – Computing
- Obadah Ghannam - Medicine
- Joseph Pick – Medicine

Free Summer Ball ticket:

- Aaron D'souza – Life Sciences
- Charlotte Hewitt – Life Sciences
- Michele Swalens – Civil Engineering
- Margaret Pikovsky – Medicine

Stress LESS

EVENTS THIS WEEK
imperialcollegeunion.org/stressless

YOGA

Tuesday 4 June, 12:00-1300 and 15:00-16:00

Free

Queen's Lawn

The Stress Less Yoga class will help you to focus and help relieve your stress levels.

MASSAGES

Thursday 6 June, 11:00 - 17:00

Free

Library

Come to the Library Cafe and let a professional masseuse gently massage your stress away, making you feel more relaxed and ready for anything.

FILM

Film Editors: Katy Bettany,
John Park, Lucy Wiles
film.felix@imperial.ac.uk



2013 Cannes



John Park

Film Editor

The world's most prestigious film festival came to a close last Sunday, with renowned filmmakers, actors, models, singers and Cheryl Cole all making an appearance on the fancy red carpet – there were highs, lows, and some downright bizarre films in competition, as with every year, and Felix Film goes through this year's big winners – we'll look at the others next week – we've got exams...!



The winning director and stars of "Blue is the Warmest Colour"

Winners in full:

Palme d'Or: Abdellatif Kechiche (*Blue is the Warmest Colour*)
 Honourary Palme d'Or: Adèle Exarchopoulos and Léa Seydoux (*Blue is the Warmest Colour*)
 Grand Prix: Joel & Ethan Coen (*Inside Llewyn Davis*)
 Best Director: Emat Escalante (*Heli*)
 Best Screenplay: Jia Zhangke (*A Touch of Sin*)
 Best Actor: Bruce Dern (*Nebraska*)
 Best Actress: Bérénice Bejo (*The Past*)
 Jury Prize: Hirokazu Koreeda (*Like Father, Like Son*)



The Jury (from left to right: Christoph Waltz, Vidya Balan, Ang Lee, Steven Spielberg (Jury President), Lynne Ramsay, Naomi Kawase, Nicole Kidman, Daniel Auteuil, Cristian Mungiu)

Film Editors: Katy Bettany,
John Park, Lucy Wiles
film.felix@imperial.ac.uk

FILM

Film Festival



Totally shouldn't have said "do what you think is nice" to the hairdresser



So busy with exams I haven't even had time to shave



So *Blue is the Warmest Colour* was the big winner this year – with the coveted Palme d'Or going to both the director and its young actresses (typically it's only the director who receives the prize). A film that is destined to become infamous for its 10-minute unsimulated lesbian sex scene, critics were blown away by its "wildly undisciplined" narrative in which a 15-year-old girl's life changes forever when she falls for an older woman, and this has been called "a masterpiece of human warmth, empathy and generosity".

Whether director Abdellatif Kechiche intended this or not, the film is also marked to become a symbol for France's recent new law allowing same-sex marriage.

"A devastating mix of eroticism and sadness" as well as "an extraordinary, prolonged popping-candy explosion of pleasure, sadness, anger, lust and hope," no wonder this walked home with the top prize.

Critics were equally ecstatic about the Coen Brothers' latest, *Inside Llewyn Davis*, which walked away with the second prize, a film that tells the story of a singer-songwriter navigating his way through the folk music scene in 1960s New York. The Coens have always had a healthy winning streak with Cannes with their series of outstanding films, and it appears this year was no exception.

Oscar Isaac's lead performance has been singled out for praise, as "delicate, restrained portrait that results in a different kind of movie than anything else the siblings have produced."

The Coens have produced "a boldly original, highly emotional journey" one that is "as stunning and singular as anything in the Coens' canon"

Described as an "instant A-list Coens; enigmatic, exhilarating, irresistible," the UK will have to wait until 24th January 2014 to enjoy this gem.



Amat Escalante's unflinching (that's just a fancy way of saying very, very violent) look at the shocking effects of poverty, crime and drugs on a Mexican family polarised the critics, some praising, others criticising, the very use of extreme violence.

Just take this sentence for example: "*Heli* may be the most optimistic film you will ever see in which one young man sets another's genitals on fire." Ouch, and you start getting the full picture.



Successfully juggling four separate stories that take place all over the modern-day China, all of them inspired by real-life headlines, Jia Zhangke's *A Touch of Sin* was the recipient of the Best Screenplay.

Adding moments of shocking, brutal violence into his usual style of long takes and documentary-style filming, it's "a good deal more vigorous" compared to his previous work and noted this as a "departure" from some of his past quieter films.



In Alexander Payne's *Nebraska*, a black-and-white movie exploring the relationship between a father and son who embark on a road trip to collect a \$1 million prize, Bruce Dern is "simply marvelous" as he "underplays without a trace of neurosis or mannerism"

The film itself received praise, as "a bittersweet elegy for the American extended family", one that "builds to a resolution that's simultaneously touching and deeply...sad"



Oscar-winning director of *A Separation*, Asghar Farhadi's new domestic drama won rave reviews as well as the Best Actress trophy for its star Bejo. Her performance is one that "finds all the right notes" with a "surprisingly dynamic, unsentimental central performance" as a woman seeking a divorce to marry another man.

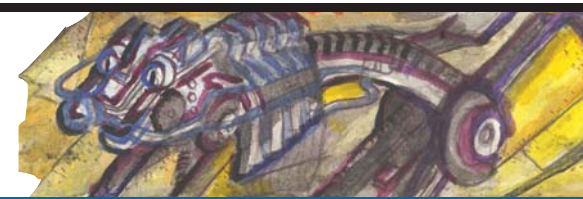
She "embodies a particular brand of hotheaded, hopelessly romantic Gallic femininity without tilting into cliché"

Japanese film *Like Father, Like Son* was awarded the third best film prize, the Jury Prize, marking director Hirokazu Koreeda's first ever Cannes win after three years of competition.

A baby-switch occurs after a series of errors and what families do about this is the premise of this "touchingly low-key" domestic drama.

Offering a "thoughtful exploration of meaning of parenthood" as well as providing a "wholly charming study of the evolution of parenthood," Koreeda's latest has been described as "sweet-natured" with its "witty combo of humour and human drama" that results in "charm and abundant human sympathy."

Some complaints here however, as some noted the film overall "makes little emotional connection" and how the director "never quite manages to infuse it with the same depth of feeling his main character goes through." And here's the harshest one of all "[it] has overall depth and tenor of a Lifetime movie."



Xbox One: Ton of fun?

Apparently the one and only center of your new Multimedia world!

Hey, an article about the Xbox One, I hear you exclaim, shouldn't that be in the gaming section? Well there probably will be one, describing all its features and games that will be available at release. However this article will focus on the Xbox One's, as long with others, intrusion into the multimedia market.

The idea that you could get a device that controlled all your different devices, in fact in some cases making them obsolete, has been around for a while. The Apple TV was one of the first of these devices produced a big name company. However Apple TV has never really hit off (well not as popular as other Apple products) with the general public, due to the fact that it was not very general in its abilities, limiting you to watching movies/TV shows over iTunes or streaming from your computer. This

Apple TV; just another device in your burgeoning pile of junk surrounding your TV.

does not make other devices obsolete or replace them, in fact it's just another device in your burgeoning pile of junk surrounding your TV.

Now let the Xbox One step into the light. Firstly the name; the Xbox One itself refers to the fact that it will be the only device you will need in your home (except for the Screen, TV-box etc.), and will serve as the hub of all your entertainment needs. Thus it seems that everything will be controlled by this central hub, which certainly does help to reduce the copious amounts of remote controls that lay around. It not only has a HDMI input, but also an output allowing for



XBOX ONE

your current set up to be connected to your new console. Apart from serving as an entertainment hub it can access the internet, run Windows 8 apps, let you watch TV, Skype calls, play bluray discs, oh and did I forget to mention, it also happens to play games. Now that seems to be the attitude with which Microsoft approached the Xbox One, despite the 360 being one of the most successful flagships for the hardcore gamer. Eight years ago when the 360 was released, in 2005, the first iPhone was probably a bunch of wires in some Apple technician's desk and went on to be quite a hit. So why did Microsoft totally change their apparently winning strategy? Smartphones and tablets, that's why. With the advent of free-to-play games and casual gamers, the money in the market has moved away from the classic niche of the console gamer, where, apart from the big name titles, there are rarely any success stories. Therefore with this strategy of controlling your multimedia as well as offering a quality gaming console, Microsoft is hoping to appeal to those casual as well as hardcore gamers, and thus maximise profits.

Now what does this strategy mean for the major competitors of the Xbox One, the Wii U and the PS4. Well Sony seems to have retained the same strategy with the PS4 as the PS3, and in fact Nintendo has tried to go the opposite way with making the Wii U: appealing more to the hardcore gamer than the Wii. So it seems that the Xbox's strat-

even if they loses some of those true gamers, it will likely get not so gaming inclined folks

egy is unique in this market. There are two possible consequences of this uniqueness. One, the average console gamer is pissed off at Microsoft for betraying them and selling out, meaning they will probably buy the PS4. Two, if the hardcore gamer doesn't care what his console does apart from offering the best gaming experience possible, then the Xbox seems just as attractive as its competitors. The big difference is that even if Microsoft loses some of those true gamers, it will likely get more of the not so gaming inclined folks who like their devices to make their lives somewhat easier.

Maximilian Eggel

The News Bubble

General news from around the tech world, so you can keep up to date with the newest, weirdest and most futuristic things around.

Mini Galaxy

Samsung seems to have inadvertently shown off one of its new products, the Galaxy S4 Mini. For a short while it was possible to see the, at this point unreleased product, in the Samsung Online store. The site has now been taken down, but the existence of the Mini is all but confirmed. Purportedly to be officially announced on the 20th of June, it will carry some respectable specs and aim to replicate its big brothers success in the mid-range smartphone market.

iWatch the Advert

Watching the new iPhone 5 advert, some of the more sharp-eyed of you may have noticed one of the people in the video wearing a square wrist watch. Apple are supposedly masters of advertising, so that may suggest this was a purposeful measure to further increase the hype surrounding the iWatch. It does seem to have striking similarity to artist's renditions, so you never know. On the other hand, the actor could have just had a really ugly watch.

Buzz, Buzzing no more

Google Buzz, one of the tech giant's failed attempts at a social network is now being closed down for good. All the data on the website will go into a private Google server for all the stuff that people kept private, and all the stuff on the profile that was public will be going into a public server where the general public will still be able to view everything.

Facebook phone fail

The HTC First, aka the Facebook phone has officially failed. The Android device, which was hyped pre-launch has failed to sell in the US, even after the price was dropped to \$0.99. This rather cold reception has now led to the European, including UK, launch to be postponed indefinitely. Facebook themselves have called the phone a failure. Perhaps this just goes to show that people do not want their whole phone dominated by their Facebook account.

What's Black, White and Flat all over?

Apparently iOS 7! Now that Jonny Ive has taken over the design of the new iOS after Scott Forstall's dismissal, speculators on the internet are coming up with the most interesting rumours. The first no-brainer that I've come across is that Ive, who hates the skeuomorphic design, will get rid of the faux leather as well as all the other "real life" approximations, to make way for a cleaner, flatter look more in line with the actual devices themselves. There are several concept videos on the web right now, and most of them look really good, so have a look if it tickles your fancy!

On A Personal Note

Remember those epic bluetooth headphones I bought about 6 months ago? Yeah, well I managed to kinda break them by stepping on them. In a study induced haze, I didn't watch my step and managed to snap the plastic bit that attaches one of the headphones to the actual bridge. They still work perfectly, except that they won't stay on my head. Well, every cloud has a silver lining, right? In my case that silver lining is an upgrade in the form of a 5 pound more (£25) pair, from the same company, which have not let me down. In fact they are even a bit more sturdy than the previous ones (I hope).

Maximilian Eggel Tech editor





Games Editor: Ross Webster
games.felix@imperial.ac.uk

GAMES

Bringing ink to a gunfight

Sanchit Sharma is showing off his brand new tatt's...

“**H**ey. You. Don't you hear the bell? We need to get out of here, and fast. I'm here to help you. Rule number one: Don't get me killed. Wait, where's your sword? Stick to the darkness until you find it. Good thing you were out cold, looks like they don't know you're alive. Let's keep it that way. Now come on, we've got to save Master Azai!”

And so opens *Mark of the Ninja*, a 2D stealth game in which your superhuman senses are not the result of training or bloodline, but rather from a powerful toxin injected into the skin.

Tattoos known as: The Marks.

The first level takes place at the tail end of an attack on your clan, led by a man named Karajan. Starting with only your amazing senses, but picking up various pieces of equipment and learning new moves along the way, your goal is to assassinate him. This is a matter of honour, however all may not be quite as it seems...

The controls are solid, though a little clunky if using keyboard and mouse. Personally, I prefer to use an Xbox 360 controller, occasionally using the mouse for precision, however a little bit of practice and most people should be fine with a keyboard and mouse.

The art and music, on the other hand, are absolutely astonishing. Together with a few major features in the gameplay (being able to 'see' sound, pausing time for short periods, the sheer number of different ways to execute a stealth kill), these cause a very powerful atmosphere in the game. If, like me, you're one of these people who becomes very invested in a game, you might even start feeling like a real ninja.

Unfortunately, there are very few games out there to compare this to – 2D stealth games have only really started becoming popular with the release of *Mark of the Ninja*. However, in comparison to 3D stealth games two things

should be noted.

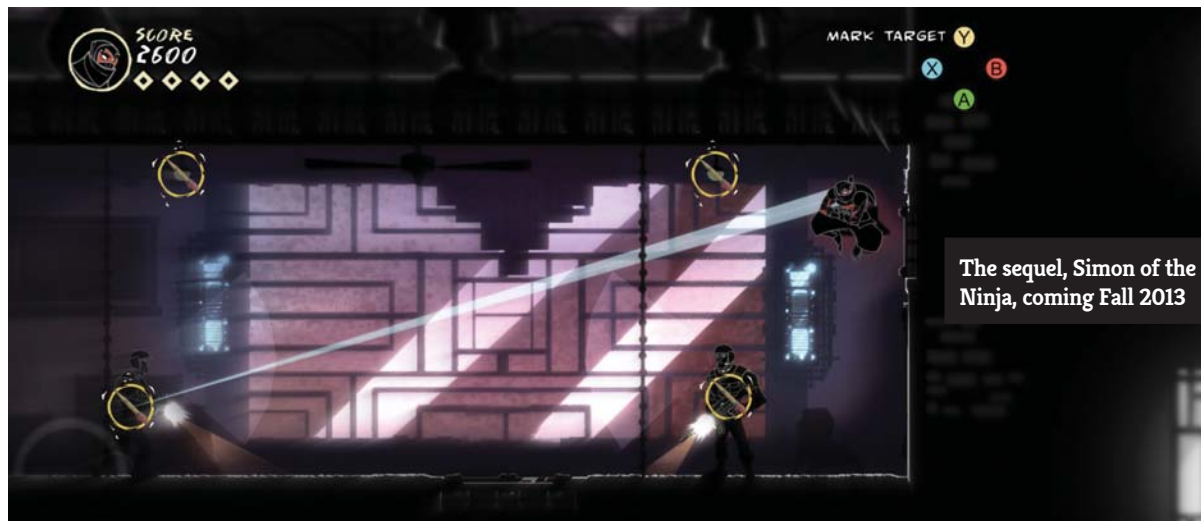
Firstly that the game is more 'casual', in that it's much easier to get into. If you simply want to complete the levels and finish the story, you can fail all the time and be detected quite often but still complete it – only your points will suffer. But if you want to, there's a wealth of secondary objectives to complete that turn it from a game that anyone can complete to one that few can master.

Secondly, it is also far less tedious; in my experience, many stealth games have a large element of waiting. Whilst this is indeed present here, guard patrols are short, in order to minimise the wait. Rushing through a level will still get you detected and decrease your points, however you often need not wait long, and

there is nearly always something you can do in the meantime to maximise your chances of a successful stealth kill.

Overall, *Mark of the Ninja* is a testament to what a group of programmers can do when they have a singular vision and the time and money to do the best they can at fulfilling that vision.

Mark of the Ninja is available on Steam or Xbox live for £12, and a single DLC will be released over the summer, expanding a little on the backstory and introducing new items.



The sequel, *Simon of the Ninja*, coming Fall 2013



The consolation prize? Nah, you can keep it.

Ross Webster Miss Universe 1908

If you've been living under a rock these last two weeks, there was a lot of hype, building up to the reveal of Microsoft's latest console – the last real contender in the latest saga of the console wars. As with anything that has ever had that much anticipation built up for it, you could hear the joy leaving everyone's souls, making the noise like a rudely deflating balloon animal. It turns out that most people's worst fears had become manifest.

There were rumours abound, regarding the name of the new console, and it looks like the community came up with a better name and branding (Xbox Infinity) for the console, than whatever name Microsoft eventually picked out of a hat. So, we've now got the WiiU, PS4 and now the Xbox One (now forever known to the Felix games team as the XBone), so yeah. Really inventive names, people. You've

pushed the boundaries of thought, by incrementing your console name by one, adding a letter and wilfully confusing people with your first console, respectively. What happened to the time when we had names such as 'Dreamcast' and 'Gamecube'? Heck, I'd even accept mixing random words and letters to get new names, like the 'AssPlayer 128' or 'Screaming Eagle X', as that would at least be a less-half-assed attempt. Wow, didn't think I'd moan about the names for that long. So yeah, onto the real disappointment. Apparently, everyone in the world watches TV, or they'll die – a school of thought founded by TV Licensing, and now adopted by Microsoft. Now, that's not to say that Netflix, etc aren't popular, but trying to advertise your console because you can watch TV on it is... well... that's just stupid. That's what a TV is for.

Unusable gimmicks aside, Kinect is required for the console to even boot, so in other word... oh right, unusable

gimmick. Well, I started so I might as well let myself finish. Kinect will always be on, and watching your room – your supposed to use Kinect commands to turn on your XBone. So, in other words, Microsoft will now have a way to watch and record everything that's going on in your room. Germany and Australia, the stalwarts of sensible-thinking, are debating banning the console in their countries, due to the ma-hu-ssive privacy concern.

Much hilarity could be had with other people's XBones, if the announcement ceremony was anything to judge the Kinect by. Internet denizens reported that their Kinect-equipped Xbox 360s turned off whenever the people at the event gave commands to their on-stage XBone. Be ready for people using in-game chat to direct your XBone to lemonparty or goatse (Google at your own risk). Also, using your Xbox to watch the reveal of it's successor is just cruel.

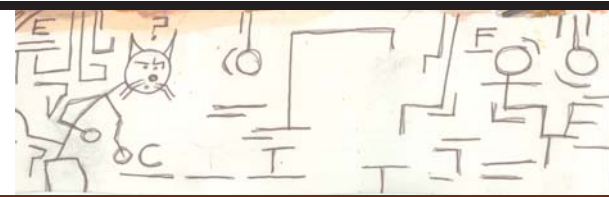
DRM is back for another round,

where now Microsoft has you bent over a barrel, and you're still begging for more. No backwards compatibility with previous games, and games are tied to your Xbox Live account (like WiiU games, but we're bashing Microsoft today). Microsoft has mentioned creating a monopoly on

the used-game market, where you can give up your license of 'Game A', to get a discount on 'Game B' – the sequel to Game A, with nothing changed apart from a new weapon, which we'll nerf on release'. So yeah, good luck with that Microsoft. We'll be watching. And silently judging.



XBone is watching you sleep. It enjoys it.



Rap Lyrics of the Week

Tulisa: "Girls"



"I am the biggest female boss that ever lived"

Erm? Are you? Is this a fact? I think Angela Merkel may disagree with you. Let's just do a quick calculation though: you're in a band. She is the Chancellor of Germany, a position she has held for about 8 years. Yeah, actually, you probably just about edge being a major world leader.

Dappy: "Tarzan"



"Estate agent told me I can't be late,
When I turned up told her chat to my briefcase"

So were you late or not? You haven't actually said. You could have been on time and then told a woman to talk to an inanimate object. What's really strange is carrying around a briefcase that is, presumably, full of money. That's fucking stupid and unnecessary. Just pay with a bank transfer.

Do people laugh at you all the time?

Really?

Anyway... Send stuff in: felix@imperial.ac.uk

Forever alone!

Hangman's 2013 guide to getting some nerdy companionship

When your eyes first meet:

1. Check in a mirror to make sure your fedora is on straight.
2. Approach the female.
3. Choose an icebreaker that will distinguish you from the grunting apes that she normally dates. Go for something that shows off your mature side.

"Kirk or Picard?"

4. When she turns away, and continues to talk to her friends, she's just playing hard to get. Don't worry, white knights – persevere.

5. Compliment her, so she knows how you feel about her.

"You smell like my mother."

6. She should now be enamoured, but too shy to be seen with someone as handsome as you, so you need to make the first move.

7. Ladies love to be surprised, so when she's not looking, twist her head towards you, and shout about how great you are.

8. She might start groping you there and then – if not, just inform her that you do engineering so could potentially fix any appliance that ever breaks (even though you definitely couldn't).

9. By now, you have either been thrown out of the bar (the urinals are not "fancy toilets" as you claimed before squatting), arrested (the sink basin isn't a "tall urinal") or, more likely, are nursing a pint in the corner pretending to send a text message. In either case, repeat steps 1-8, until success. If everyone rejects you, retreat to a kebab shop and then home – your lecture notes can keep you warm at night.

10. If she doesn't want your number then give the guy doing those weird rhymes in the toilet your digits. Then you can tell your friends you gave someone your number, as long as you

don't go into specifics you technically aren't lying.

Your first few dates:

1. Chose something unique, such as going to the movies to watch a horror movie. Girls love all that blood and screaming.

2. Bring her back to your parent's basement, and watch all of *Firefly*, whilst holding back the tears. Then move onto a *Lord of the Rings* marathon. This way, she sees that you have

some emotion.

3. Go out for a meal somewhere. The ladies love european cuisine, so a classy establishment like Pizza Hut is a great choice. Ignore the 14 year olds on dates. That doesn't mean this isn't sophisticated, they're just mature.

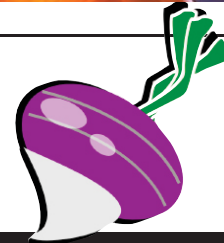
4. Fall deeply in love, and ask her to marry you.

5. She if she subscribes to the YOLO philosophy by asking how awesome from 1-10 your 15 YOLO tattoos are.



the turnip

Hangman's Finest News Source



Honey honey honey..... honeeeyyy

Researchers from University College London, along with the Bee Research Group at the University of Illinois have published a paper in *Nature*, which details the decline of the honey bee within the British Isles.

Through the use of tagging, the Freedom of Information Act, and enlisting the help of InterPollen, the 203-page paper reports that an increasing number of bees are spending their time at secondary, or even tertiary hives, in the Cayman Islands.

The majority of bees monitored, spent their time moving between their hives and members-only gardens, and are often quoted as 'working' when questioned.

Over the last 4 years, much of the bee populace of the UK has been subject to a political shift, with many of the constituent apiaries moving towards a conservative standing. Due to the stresses of political life, MBs are able to claim back honey that is spent maintaining their two hives – one in their constituency, and another in London. They are not allowed to

claim against their allowances, honey spent on any properties which they do not live in.

However, rumours spread on the internet last year, over alleged embezzlement of honey, after photos were released of Sir Edward Fuzzington-Stripes, meeting with a group of wasps. Upon confrontation, Sir Fuzzington-Stripes, aged 2 months, and 12 days, gave up a list of names of other involved parties.

This led to the arrest of many MBs, also on the charge of wax evasion, which holds a maximum prison sentence of 18 days.

This isn't the first time that Sir Fuzzington-Stripes has been caught in the spotlight either. Last May, a super-injection was taken out to prevent the proliferation of photos of him, crawling out intoxicated, from the flower bed of a Miss Givens of Bethnal Green, London. It didn't help his image, when later, upon leaving Downing Street, he was heard to mutter 'fucking drones' as he was ushered through a side gate.

In the light of this research, the gov-

ernment has suggest that we should lower the wax tax for the bees with the most honey, to stop them from leaving the country. The paper, how-

ever, does go on to say that trying to bribe bees to stay in this country, just to keep the honey flowing, is goddamn stupid.



THE NEWS WITHOUT THE NEWS



OPEN AIR BRANCH OF SAINSBURYS IS AN INSTANT SUCCESS



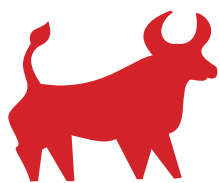
NEW FULL BODY CONDOMS PROVE IMPRACTICAL AND UNATTRACTIVE

HOROSCOPES – BRB G2G LOLZ



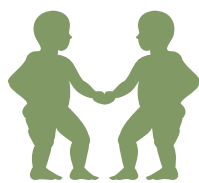
ARIES

This week you start shagging your personal tutor in an attempt to get extra marks on your upcoming exam. They're into some seriously weird shit. You just hold your snorkle and take it, it's for the greater good. It turns out your tutor has no power and didn't even set the exam. Week wasted.



TAURUS

This week you just can't shake off that feeling that someone is stalking you. You feel eyes on the back of your head. You can feel them burning a hole in your head. "GO COMPAREEEEEEE". The Go Compare man is behind you with a knife. He stabs you and displays your corpse in the Library.



GEMINI

This week you finally lose your virginity. Awwwww yeah. It was beautiful. It was humbling. It was awe inspiring. You were definitely on top form, although you don't know what exactly top form is... You wake from your dream with cum all over you, and realise you fell asleep in your exam. Awkward.



CANCER

This week Neptune and Uranus are finally aligned. This means your anus will finally align with a hot piece of ass. Boom. Shame your partner has a praying mantis fetish and eats off your head after. You die with a smile on your face, knowing you may get giving an honorary first. Or at least hoping. Pint?



LEO

This week you let down generations of your family by not getting 80% in your group project. You really sicken me you do. You think you can walk in here and just have fun at university. FUN. FUN!? Don't you know this is Imperial. Fun was never an option here. On your bike to the Library.



VIRGO

Dis wk u decide 2 tlk lyk dis 2 attract da hotties. It wrkd wen u wer 14 y wud it not be gud now?

BRB

K, bk. How r u? Lol. U Fb msg every1 u no. U get 0 dates frm it. Soz. Ttyl. Cya. xxxxxxxxx



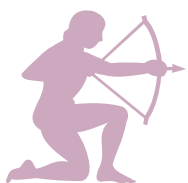
LIBRA

This week you finally get added by your secret crush on Snapchat. You immediately start a strict grooming regime (no more greasy foods etc) to look your best. You also look up lighting effects to make everything seem bigger just in case. Turns out you were added by accident, and they talk like they're on MSN in 2000.



SCORPIO

This week Mars has moved into the war position. This means exams are on the horizon and you must guard your computer with your life. Having found one spare machine in a training room you fortify it with armed guards and barbed wire. You get overthrown in a coup and have to live in exile on Queen's Lawn.



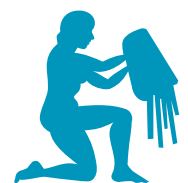
SAGITTARIUS

This week you're a bar of soap. You really have a tough life. All that happens is your used by men to rub their sweaty genitals. Some even use you for lubrication when they're taking a long shower that they think is so subtle that their housemates won't realise they're wanking. Being a bar of soap is hard. :(



CAPRICORN

This week you start frantically stroking the mighty sword in the toilets. Awwwww yeah. The soap jumps from your hand and goes under your foot. You slip and break your arm. Now you have to scream for help from your housemates knowing they'll walk in to see you standing to attention. Wouldn't happen at UCL.



AQUARIUS

This week the library printer is so fed up of printing badly-written coursework that it swallows you whole and holds you hostage in paper tray 2. It starts flashing error messages in Morse code to communicate the ransom for your release, but no one understands so it drowns you in ink and spits you out while flashing 'paper jam'.



PISCES

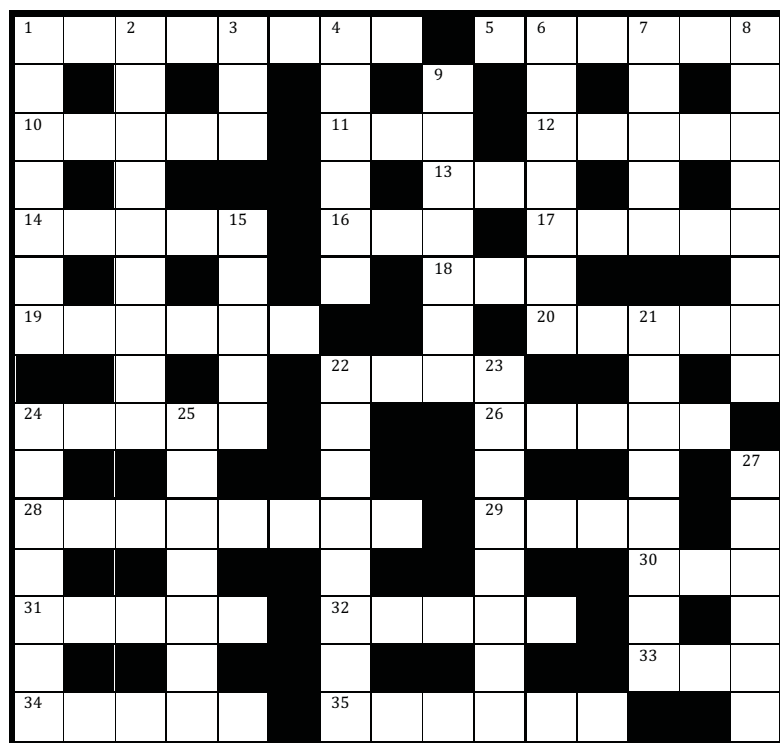
This week you have to decide between having to drink straight vodka for the rest of your life and having penises for limbs. Your permanent state of intoxication could be fun, but you may be an annoying drunk. The penises would make you individual, but people would jack you off by accident. What's it going to be?

PUZZLES

Puzzles Commanders:
Sotirios Karamitsos,
Louisa Byrne
 puzzles.felix@imperial.ac.uk



Crossword



Across

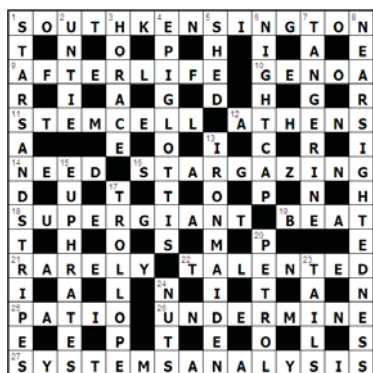
- 1. Expressing adverse or disapproving judgements (8)
- 5. Fish often sold in tins (6)
- 10. Strong, robust, with sexual desire (5)
- 11. Writing fluid (3)
- 12. Amber coloured, protein rich liquid (5)
- 13. Part of the circumference of a circle (3)
- 14. Originating from a nearby country (5)
- 16. Suitable (3)
- 17. Mary-Kate and Ashley surname (5)
- 18. A place to stay (3)
- 19. Lacking on quantity or quality (6)
- 20. Previously resided (5)
- 22. Violent, uncontrollable anger (4)
- 24. Game with pawns and knights (5)
- 26. Wrongful deception for personal gain (5)
- 28. Someone who attacks in search of 'booty' (8)
- 29. Roman goddess of the moon (4)
- 30. 2012 film about a bear that comes to life (3)
- 31. Spy, representative (5)
- 32. Sea movements caused by the moon (5)

- 33. Press lightly with absorbent material (3)
- 34. Multiples of three feet (5)
- 35. Be scattered over an area (6)

Down

- 1. Element with 20 protons (7)
- 2. Initiate, bring on (9)
- 3. Evergreen climbing plant (3)
- 4. Creature (6)
- 6. Leave hurriedly and secretly to avoid detection (7)
- 7. Scores (5)
- 8. Propose a candidate (8)
- 9. Moving on ice, wheels or board (7)
- 15. Back parts of feet (5)
- 21. Well informed (8)
- 22. Felt bitterness or indignation towards something or someone (8)
- 23. Liquid waste discharged into a river or sea (8)
- 24. A commercial business (7)
- 25. Looked quickly but not thoroughly (7)
- 27. Owe money, negative finances (2.4)

Last week's solutions

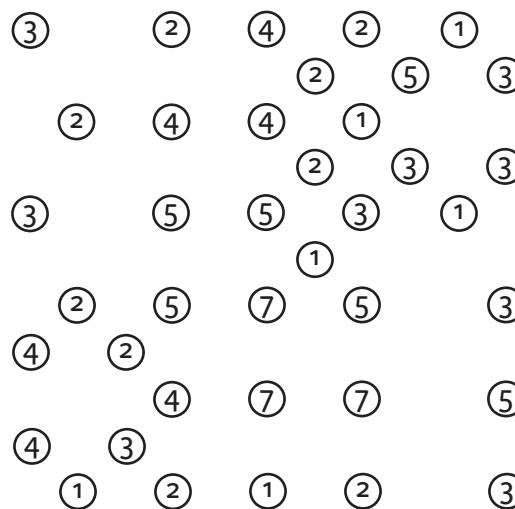


Too busy to send in answers?

Take a revision break so we feel like we aren't wasting our time here.

Hashi

Connect all the islands with vertical and horizontal non-intesecting bridges so that you can get from any island to any other one. There can be up to two bridges between any two islands. Each island indicates the number of bridges starting from it.



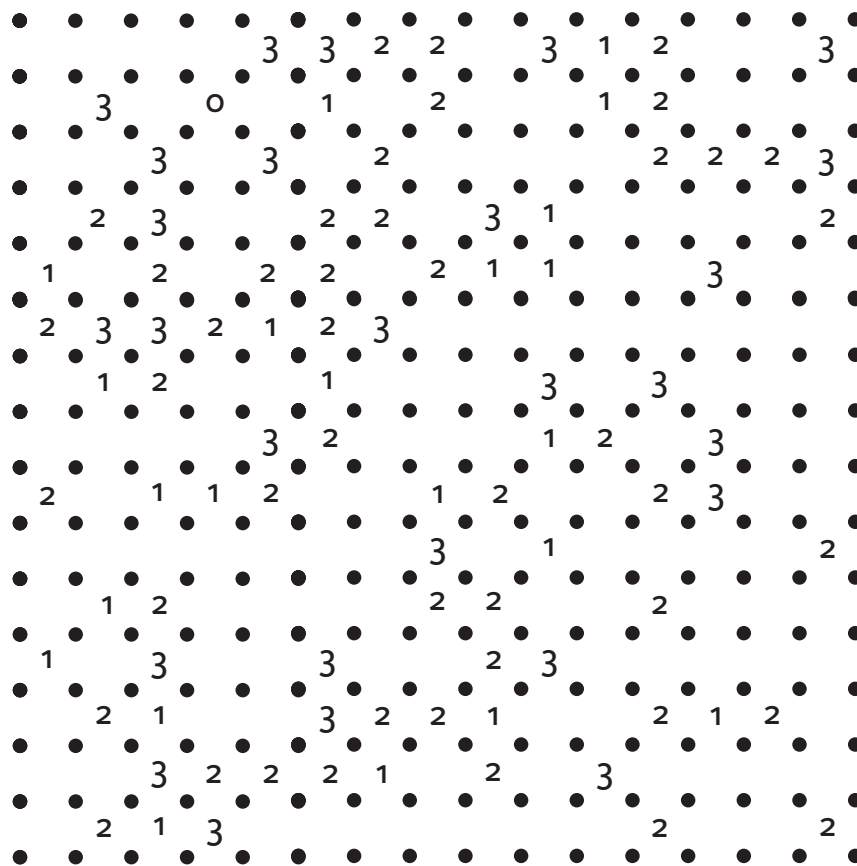
FUCWIT League Table

INDIVIDUALS

Yufan Zhao	21
Wael Aljeshi	14
Gabriel Quek	3

Solutions. Send 'em.
 puzzles.felix@imperial.ac.uk

Rules are as always: draw a single closed loop by vertically and horizontally joining the dots so that the numbered squares are surrounded by the corresponding number of lines.



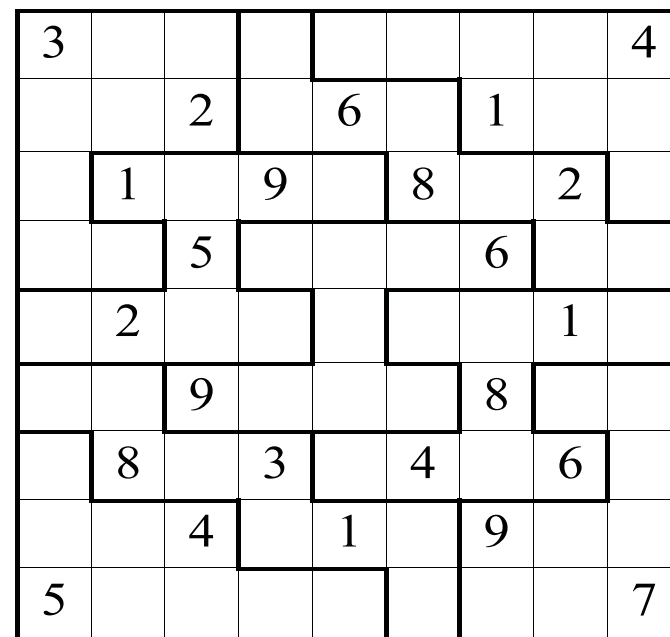
Sudoku with a twist

Fill in the grid with numbers 1-9 such that:

a) Each row and column has each of the numbers only once

b) Each bordered set of 9 squares also has the numbers 1-9 once

so like a sudoku but a strange shape!



Puzzles Commanders:
Sotirios Karamitsos
Louisa Byrne
puzzles.felix@imperial.ac.uk

PUZZLES

A special treat for students finished exams

	5 6	1 1 3 2 3	1 1 3 3 1	3 2 3 1	5 6 1	1 5 2 2	1 1 1 7	5 1 1 7	5 5 6	1 1 5 6	1 1 1 6	1 1 1 6	5 6 1 2	5 5 2	1 1 9	3 7 2 3	2 2 3	3 3 3	3 3 3	2 2 2	2 2 2	
3 1 1 4 1 1																						
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Nonogram Instructions

The numbers in each row and column tell you how many groups of black squares are in a row or column, as well as how many black squares each group is made up of. Filling in the grid produces a pretty picture, which in turn produces points if you send it in, so get solving!

PASSI THE PARABOLASHAPED PENGUIN



CHURCH

everynation.co.uk



SUNDAYS
ACTIVITY SPACE 1
STUDENT UNION

Free café – 5:30
LIVE BAND



Sport Editors: Oli Benton,
Margot Pikovsky, Sorcha Cotter
sport.felix@imperial.ac.uk

SPORT

Lions Rampant at Polo Nationals

ICU Riding and Polo celebrate victory at the Arena Polo Nationals

Alex Savell Riding and Polo Chair

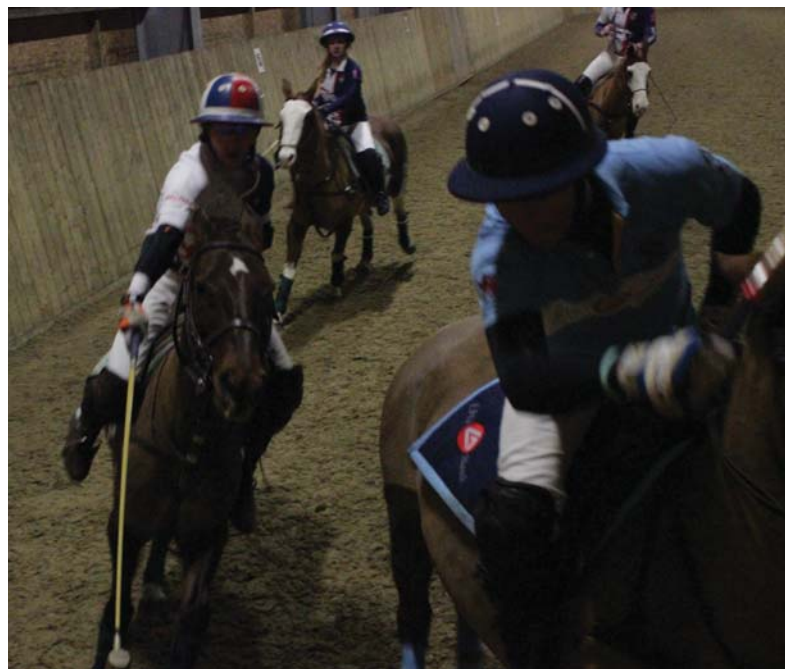
I'd like to say that there is some really good reason for how long this article has taken to come out. You'd think given this is my personal highest achievement at the Polo Nationals in the last 5 years that I'd have managed to get it out quickly. But no, life and, more annoyingly, work goes on. However, as we close in on our trip to the summer edition of the Polo Nationals in early June I have finally managed to sit down (at the pub) and whip my laptop out antisocially to write up my hazy recollections of a cold weekend in February and what looks from the outside like an industrial estate a little outside of Rugby which is, in fact, a polo ground.

Imperial this year managed to beg, borrow or steal enough cars so that most of us could rock up under our own steam fairly easily with just one medic having to join us via the train late on the first day. However, by this stage our beginners, already irate about pre-tournament politics interfering with their fun, had to swallow their anger and hop on ponies sporting their very fetching ICU Lions polo shirts kindly supplied by the Polo Bar at Rydges Hotel Kensington. I should probably point out what these "politics" were. Invariably any sport involving horse lovers (a pretty nutty breed of person at the best of times) will bring out the worst in people. And where a slight mixup with the division entries meant that we were relying on another team to do the decent thing and swap with us. It all looked sorted for some time until the president of a large student polo club, based in the capital and comprising a number of different universities (that shall remain nameless), kicked up a fuss and destroyed the whole thing leaving us stuck in Beginner 1a. Suddenly worried about the safety of my players in a group that would include a number of teams far more confident on horseback than them I watched with my heart in

my mouth as they took on Portsmouth.

This is where my memories start to get hazy. Which, while I would like to blame it on the intervening time, is probably due to the fact that most of my cheering time was spent with a pint in my hand. Despite a few hairy moments when I thought one of my players, Mike, might make an unceremonious exit from his pony, Midnight knows his job well and gave Mike the sort of smooth and forgiving ride he needed and to the sound of one embarrassingly loud cheer from me Imperial managed to pull ahead to an early lead. The chukka continued, hard fought and scrappy, with Portsmouth scoring two and Imperial managing to increase their tally to stay in touch. With the game being only 7 minutes long and 4 goals already scored everything looked set for a draw and then eventually the more confident riding of the Portsmouth girls took its toll and they pulled ahead for a 3-2 victory. Never underestimate how good at riding girls from Portsmouth are.

I should introduce the rest of the team. But our number 3 thinks that polo is an embarrassing sport that might get her teased by her friends for being posh. As a girl who's favourite word (and nickname) is "Shan't" I doubt any of her friends were in any doubt as it was. Marina on the other hand finished up the team of three, another tiny little blonde girl. "Shan't" got off of Cura with some mixed feelings about the match; many people say that 90% of polo is your horse and while I think at our level things tend to swing back to our incompetence making the greatest difference it's true that if you and your pony don't get on you will just be out of it with no way to get back. Still, with a change sorted for match 2 they headed swiftly out to play again against Warwick (a team with a reputation for dominating the Beginner divisions). Again our guys held their own but just couldn't compete and it was a very disheartened Beginner group that left the yard that evening, however with



intentions for having a decent night of drinking in the pub.

Unfortunately, at this stage my memories really do get hazy, though I do remember I ate a huge meal that was far too large for any sane person. It did give me a chance to get back to the polo on Friday morning. Myself, Jon and Olivia were in the prestigious Novice 1 division and were pretty excited to see what we could do when we got on. I can't for the life of me remember who we played in our first round match, it may have been Portsmouth again, however I do remember the score: 6-0. We pretty conclusively smashed them into the ground. Jon went on a spree of goals and after the first throw in I think they only made it over the half way line once from a free hit before we were back after them. Trying hard not to let the score line go to our heads we waited for match 2. Against the much more worrying Cambridge team involving a player well known to us as someone that has played at the level above... but then so have both me and Jon before now so we were aware we'd have to fight hard.

Things did not go well with us starting behind and me at the back having to fight off strong attack after strong attack. Jon and Olivia managed to mount plenty of attacks of their own keeping us in contention and winning us a penalty to keep the scores level. These have been our Achilles' heel in the past and my heart was racing as I lined up to take it, my words from a few days before ringing in my ears; "I've never scored a penalty in an arena match before". The match ended 3 apiece and dread set in as we realised we were going to be penalties for the match and Jon and Olivia both agreed that I would be up first. If I recall correctly we ac-

tually got through a full round of penalties and were still tied, but it was all over shortly after with the first penalty of sudden death making the difference. We were through to the top four.

The Beginners were enjoying a day off and slowly resolving to enjoy their final chukkas no matter what. Takeaway Chinese and plenty of drinks at our B&B were the order of the evening as we were all a bit knackered for the pub. Plenty of banter ensued and while I was just about okay the next morning I somewhat assume that some of the others were a little the worse for wear come Saturday, even if they didn't let on. A match each on Saturday left the beginners happier with a nil-nil draw where they were competitive the whole way through, yet still not the victors. Perhaps my most fun match of the nationals was against Sterling that afternoon despite a couple of notably dodgy moments. A harsh call against us led to a 2-0 deficit in the first minute. And Sterling were by no means going to let us get it back easily, challenging our goal several more times, stopped once primarily by a player tumbling off of his pony practically underneath our ponies. Still, we were quickly getting goals back and my overriding memory of the chukka is a moment galloping down the pitch where an opponent light hearted asked Jon if he would ever stop appealing for fouls and I had the time to reply that it seemed extremely unlikely. The match ended 4-2 in our favour and the Sterling lads were extremely gracious in their defeat despite mutterings before the match about our team being 'unfair'.

The penultimate night of any given polo tournament is usually a fairly messy players party. And this Saturday was no different. I think I saw more of

Jon's flesh than I ever needed to and some cunning individual came up with the remarkably pretentious idea of the "Champager Bomb". Which, for anyone that likes the idea of Champagne and Jagermeister tastes absolutely foul by all accounts. Something about us means Imperial seem to always have a 9am chukka on Sunday and as such the beginners were on relatively good behaviour; the same cannot be said for Jon, though he continues to claim he was actually ill on Sunday not ridiculously hung over. Still, my team spirit remained more or less intact and I did manage to blearily watch the beginners starting up this year's London Derby against ULU. Much as I'd have liked to work up some proper rivalry at 9am slightly hung over it is hard to do anything but club together and generally cheer everyone on. Our guys put up a good showing, with even the ULU spectators admitting that there was a visible difference from them on day 1. However, as close as they kept it our beginners went down 2-1 to claim the unfortunate wooden spoon.

All hope of redeeming ourselves then rested on the Novices and a final with our training partners and good friends Oxford Brookes. Much as in the warm up arena we were all happy to crack a few jokes with Sophie, Georgie and Saul it was clear that every one of us wanted it badly. The chukka was close, physical and scrappy; both teams happy to muscle in and ruin each other's play rather than allow anyone a real chance to make flowing runs up and down the pitch. Frustration started to set in as a few obvious fouls got missed by the umpire and with the clock counting down Brookes were ahead by one. A last foul against Jon, adding to his already splitting headache, gave us a penalty from 25 yards and a final chance to level the score and we sent it home comfortably despite the pressure.

So the final eventually came down yet again to penalties and with us up first we put the pressure on, putting yet another against the backboard and laying to rest our demons (the usually unreliable nature of Imperial penalties). Georgie Bolton lined up to try to equalise. She struck it well but low and the ball bobbed slightly to the left, then slightly more and eventually caught the wall just wide. It took a few seconds to realise that these penalties were sudden death before the elation hit and we knew we were taking home a national championship title. Alongside a pretty hefty trophy Jon managed to pick up the Novice MVP award and we all went home on a high. Time now for the summer version playing on grass and hopefully a tournament that isn't quite so cold and wet!





Fellwanderers Chill Out for Easter

Fellwanderers Easter Tour to the Snowy Scottish Highlands

Fellwanderers President

Jack Redvers Harris

We set off bright and early from Imperial College Union meeting at 7am on Saturday 23rd March 2013. Fifteen Fellwanderers packed into the minibus with all their kit secured on the roof and tents, gas stoves, ice axes, the beast pot and more as well. After a lengthy stop in North London to fight with a tyre inflating compressed air machine we sped up the M1 – which had enough snow to convince us we were already in Scotland – and on to the M6, stopping at Birmingham for a greasy spoon fried breakfast. Passing the Peaks and Lakes we soon crossed the border and stopped for a break at Gretna Green village, stocking up at the Cadbury factory outlet store. The journey continued between the tower blocks and industrial sprawl of Glasgow up to the beautiful Loch Lomond and beyond into the Highlands. As the gale force side-winds lashed the bus we were all speechless, either from the beautiful scenery or the ruined van and coach that had seemingly been ripped from the road and rolled into the frozen lake to our side. To ease the journey we filled the bus with a half week's food and continued under the veil of darkness, blissfully ignorant of the perilous conditions outside, arriving safe and sound at 11.45pm.

The Bothy (constructed 'on a budget' with solid stone walls and a meagre hardwood ceiling beneath sheet metal to ensure efficient heat loss) nestles itself on the shores of Little Loch Broom, in the wee village of Badrallach, which was comfortably enjoying a sub-zero yet sunny and dry climate.

Sunday morning we rose early munching granola and drinking tea, with a tantalising view of the snow capped An Tealach massif across the Loch basking in sun. We walked from the Bothy climbing the ridge immediately behind us which formed a peninsula spiking towards the Atlantic ocean. We summited both Cnoc a' Bhaid-rallach (544m) and Beinn Ghobhlach (635m), escaping the harsh winds to enjoy a sandwich picnic huddled between some rocks. We strolled down to Scoraig Village, which is accessed by boat across the Loch (no road); some 50 people live there, with well-drawn water, electricity from windmills, and neat little houses where phone and TV signals do not reach... a real contrast to London. We wandered back around the coast to our new home for a slice of Hello Kitty cake and then a classic cheesy chorizo pasta meal with a few beers. There was a good sized table and chairs to eat around but we were a bit cosy with 15 squeezed in, though the comfy sofa and roaring



fire kept us happy. After hot showers it was time for bed, where two sleeping bags was the only way to keep warm!

Monday we were hungry to enter the mountains, hiking from Camusnagul up to Glas Mheall Mor (979m Munro Top) with a snowy scramble to the summit, then epic views to the spikes of the Munros beyond. We crossed the valley before heading up Sail Mhor (767m) with panoramic views of the mountains behind and the islands and sea in front. Thai green stir-fry and cherry pie for dinner. Tuesday we journeyed inland to Iverlael Bridge (on A835) climbing the snowy ridge up to the white-out that was Eididh nan Clach Geala (927m Munro), slowly picking our way down the icy decent we had lunch by the frozen fords and then retreated down the valley via Loch an Chnapalch. A delicious beef curry with rice and naan was prepared at the bothy and much fun was had.

Wednesday was a rest day for most, some basked in the sun with books at the bothy, others made a tour of the highlands, visiting gorges, waterfalls, distilleries, the glorious Morray

Firth suspension bridge and picking up some shopping in the bleak city of Inverness. Others took a walk from nr. Loch a' Bhruicin (on A832) up to Meall a' Chrasgaidh (934m Munro) and Carn na Criche (961m tour high point), with spectacular views of Sgurr nan Clach Gaela (1093m), before heading back down via Coire Breabig after bailing on Sgurr Mor (1108m) summit attempt. The minibus journey back passed by many wild peat fires, caused by the strong sun and dry conditions, with flames and smoke filling the valley. A delicious pork and dumplings meal was prepared with trifle for dessert over which many tales of old were told.

Thursday we enjoyed a hearty fry-up breakfast, fuelling folks with energy. One group climbed from Torran Dubh (on A835) up to Beinn Liath Mhor Fannich (954m Munro) via Creag Dhubh Fannich, returning via Beinn Liath Bhearg (664m). Meanwhile another group undertook an epic journey passing the back of An Tealach down to the shores of Loch na Sealga and back. After a brisk dip in the icy sea loch and a spot of tea and cake at the bothy, a

traditional Scottish dinner of Haggis with potato mash and swede was had in the evening, with many an ale and cheesecake for dessert.

Friday we woke at 5am to pack and leave at 7am, driving over three hours North along “A roads” which consisted of single-track roads with occasional passing places, to reach Ben Hope, the most Northerly Munro. We eagerly marched from sea level up the long ride to summit Ben Hope (927m Munro), before white-out set in and we found our way back down the snow to the sunny valley, before bundling back in the minibus for a long journey home. We left the valley at 4pm, stopped for dinner in Perth at 8pm and returned to London for 7am.

MAPS

Day 1-2: OS Explorer 435 An Tealach and Slioch

Day 3-5: OS Explorer 436 Beinn Dearg and Loch Fannich (Ullapool)

Day 6: OS Explorer Ben Hope

