

First published in 1949, *Felix* is released weekly during term time and is distributed around Imperial's London campuses. All students, staff, and alumni are welcome to contribute to the paper.



KEEP THE CAT FREE | SINCE 1949

President hails 'new paradigm' for science as Imperial launches new strategy

Strategy will help make UK a "science superpower," says President Brady.

Editor-in-Chief
JAMIE JOHN

The College unveiled its new strategy on Tuesday, with an address from Hugh Brady in the early afternoon, followed by a glitzy evening launch event at the Science Museum.

Speaking at his annual President's Address, Brady said that the strategy, named Science for Humanity, will "maximise Imperial's potential as a force for good in the world".

"Our strategy is built on the premise that we will need to be even smarter and more agile, and to play to our strengths and differentiators," → **READ MORE ON 5**



Speaking at his annual President's Address, Brady said that the strategy, named Science for Humanity, will "maximise Imperial's potential as a force for good in the world". *Walt Gao for Felix*

ENVIRONMENT

Sustainability Fortnight

A grave warning delivered by IPCC Chair Jim Skea, a summary of Sustainability Fair, and more in this eight-page pullout.

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COMMENT

Liberal feminism and men's mental health

Are men's issues overrepresented in arguments on the societal effects of the patriarchy?



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ARTS

College or Corporation?

Arts Editor Gilbert gives you his two cents on the new logo.



→ **READ MORE ON 23**

CATNIP IS BACK

Imperial College rebranding colour inspired by BSOD

College hired design firm, reportedly told to produce the most amateurish design possible.

→ **READ MORE ON 27**

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DECLARATION

At *Felix*, we believe that it is always in the interest of the students to be in the know. Transparency in the workings of the College and the work of your student representatives is key. Therefore I, the *Felix* Editor, on behalf of the team promise that:

We will, to the best of our ability, tell you the whole truth and nothing but the truth.

We will keep your confidence and will only publish something you say to us if you have explicitly said that we can.

We will work to expose unfairness and discrimination in all forms that it takes at the College.

We will treat fairly any article sent to us, regardless of point of view, and do our best to work with you to prepare it for publication.

Signed by:
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Editor-in-Chief

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SIJUNG LEE

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EDITORIAL

Vote, vote, vote!

If you couldn't tell by the insipid front page this issue – full of PR-heavy bombast taken straight from promotional releases – we have been preoccupied this week with work other than our usual bread-and-butter reporting (IYKYK).

On Wednesday, we helped to run the Union's elections hustings event, ahead of next week's leadership elections.

For the first time the event was co-hosted by *Felix*, our video production unit West Basement Studios, and the student radio society, IC Radio – a huge thank you to all the students who gave up their time to run and participate in it.

'Hustings' is bit a misnomer for the event. Instead of having candidates gather in the Union Building to address an empty room, we brought them into IC Radio's recording studio. It was a much cosier setting, in which we were able to interview candidates individually, and give them an opportunity to expand upon their manifestos – something that the previous format did not allow.

There were a few hiccups along the way (the live recording cut out, the schedule didn't quite work as planned, and there definitely wasn't sufficient promotion of the event), but we learned a lot that will inform plans for next year.

Certainly, candidates seemed more at ease, giving them more opportunity to answer the challenging questions we wanted to ask them about their plans.

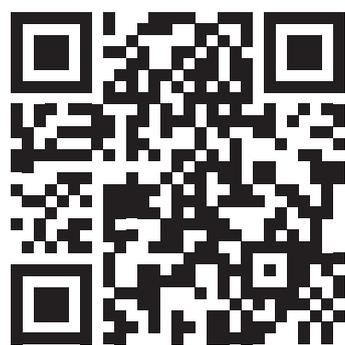
A debate segment proved tough for those involved, but we are grateful to Union President candidates Chelsea Stubbs and Camille Boutrolle for their spirit in agreeing to participate. Any serious contender for Union

President should have engaged with the event.

But really, this editorial is not about the candidates themselves. It is about voting, and why you should do it.

Imperial's community is remarkably diverse – each student faces a different set of challenges, and deserves for those challenges to be voiced to senior management and addressed.

The student union is one avenue for this. Its Officer Trustees and representation networks are avenues through which change can be brought about. The Union can work with Imperial's leadership to build a university experience that addresses your needs.



Vote here!

If the College gets things wrong or doesn't listen to you, Union representatives can lobby for change and escalate your concerns to senior decision-makers. They can support you through your difficulties and provide you with advice when you need it.

But all this relies on you voting consistently and in high numbers. If you want more support during the cost-of-living crisis, want the College to be taken to task for its failure to address the heating issues on campus, or if you want the logo

to change, then you should vote for student representatives who care about these things.

And if you don't think the candidates this year are up to scratch, then you should consider putting your name in the hat next year.

A high turnout would give the Union itself greater legitimacy – a mandate to lobby on your behalf because it would be able to claim more credibly to represent you.

And encouraged by the fact that their work would be taken seriously, we'd see a better field of candidates.

Things might not improve dramatically in a single year, but if everybody voted, then over the course of a few years – the length of a university degree even – we would see real change.

Indeed, there has already been change: part of the reason the university has started to engage on issues of sustainability is because you have voted in candidates who care about this issue.

But right now, Union elections are being decided by a coterie of vocal, passionate students who know all of the above, and exercise their votes.

So please vote in next week's leadership elections. You don't have to vote for every single position out there, but at least do so for the paid roles (Officer Trustees) and the ones that could affect your experience at Imperial.

It's very simple, scan the QR code below, and sign in with your College details. For each position, find the individuals you'd like to vote for and rank those candidates according to your preferences. If you don't think any of the candidates are suitable, vote to re-open nominations (RON).

Letter to the editor: Council Chair quotes Mao Zedong

Dear *Felix*,

In the recent President's address of Imperial's new strategy, John Allan (Chair of Council) quoted Mao Zedong, the dictator of the Chinese communist revolution. This is highly insensitive and demonstrates severe ignorance to the atrocious, blood-laden history of Mao Zedong's reign during the 1900s, and extends to the human rights abuses of today's CCP. Allan says: "as Chairman Mao once said ..., 'the journey of a thousand miles begins with a single step'". The footage can be found at minute 16:00 of the President's Address: <https://youtu.be/bq3Fso5Lc70?t=950>.

John Allan must understand the brutal history behind Mao Zedong's reign. Tens of millions of civilians and soldiers were killed or starved during the years of the revolution as a consequence of Mao's authoritarian policies. Between the likes of Mao, Stalin and Hitler, people can't decide on the most brutal dictator. But Mr Allan can decide that he likes a quote by one of these mass murderers.

Perhaps Mr Allan made an honest, ignorant mistake, but he must be pressed on his comments. Furthermore, an institution like Imperial must be aware of how it chooses to represent its position on historically significant and sensitive topics.

I hope you agree that nobody should get away lightly with this kind of ignorance. I am emailing you, the *Felix* team, as you are the best outlet to inform the College community about this.

Council Chair's reply

Hi *Felix*,

I have used the phrase that is complained of many times over many years.

No one has ever complained before. The intention was simply to make it clear that the implementation of the new strategy will take many years but we need to get started.

After my very short speech I was congratulated by a fair number of people either in person or by email.

However having been made aware that someone was offended by my remarks I will find an alternative expression in the future.

Best wishes,

John Allan

NEWS

Princess Beatrice at roundtable with ICU Mental Health Officer

Felix sat down with Aglaia Freccero to talk mental health, her encounter with Princess Beatrice, and her time as ICU Mental Health Officer.

News Writer
SAFIYYA AHMED

Imperial College Union's (ICU) Mental Health Officer attended a roundtable event with Princess Beatrice last week, ahead of Mental Health Week 2024.

ICU's Aglaia Freccero, a first-year PhD student, was invited by organiser and education technology company Chegg as a student representative of the charity Student Minds.

The event aimed to encourage conversation around mental health and raise awareness about student wellbeing, ahead of Mental Health Week 2024 (13th



Princess Beatrice attended a roundtable event with ICU's Mental Health Officer Aglaia Freccero. Lorenzo De Leonardis, CC BY 2.0

-17th May).

Freccero described the event as a "genuinely positive experience" to encourage conversation around student mental health and wellbeing. But she expressed dismay that most tabloids and journals chose to focus on the fact that Princess Kate did not attend, rather than the topic of mental health itself.

She said that Princess Beatrice – diagnosed with dyslexia in her early days of schooling – was willing to "listen and understand" during the event, sharing her mental health experiences and fostering an environment in which students felt comfortable sharing their own.

Freccero has helped develop Imperial's Mental Health and Wellbeing Strategy in her capacity as ICU Mental Health Officer. The strategy outlines Imperial's 'goals for creating an inclusive, respectful and compassionate environment that supports students and staff in their work and study', according to the College Website.

Imperial is currently working towards the University Mental Health Award, created by Student Minds. Award winners are recognised for their demonstrated 'excellent approaches to student and staff mental health'.

Freccero says that her personal lived experience is something many students

at Imperial can relate to, and is the origin of her motivation to strive towards improving college-wide mental health and wellbeing.

She describes her work helping student mental health as ICU Mental Health Officer as her "purpose".

She completed an undergraduate degree in biomedical sciences at UCL, before pursuing one Master's degree in neuroscience and a second in public health. After graduating in October, she started her PhD.

Freccero took a year out of her undergraduate studies, and says she was "close to giving up" – indeed, those around her that she should do so.

Coming from Italy, she experienced imposter syndrome. Imperial says that imposter syndrome – "a belief that you



Aglaia Freccero, Imperial College Union's Mental Health Officer. Imperial College Union

her. She persevered and was awarded a first class in her Master's degree. Since then, she has gone on to achieve two distinctions and the prestigious President's scholarship for her PhD.

This year is Freccero's second as ICU



Princess Beatrice was willing to listen and understand, sharing her mental health experiences and helping students share their own.

don't deserve the achievements you have accomplished" – is common among students at prestigious universities such as Imperial.

Freccero was diagnosed with bipolar disorder, and the mental health difficulties that she experienced impacted her studies. At UCL, it was a personal tutor who encouraged her to keep going and believed in her.

At Imperial, she recalls that a professor told her to drop out, but again, a personal tutor encouraged her and believed in

Mental Health Officer, and she has spent her time, raising awareness about mental health, developing Imperial's strategy on the subject, and running campaigns to "reduce stigma" around it. She says that mental health is often overlooked at the College, explaining that the main goal here is to "strive for excellence". Her mission, she says, has been to change that. She feels that "all it takes is one person" to believe in you, and that her story is testament to that.

→ FROM P. 1: IMPERIAL'S STRATEGY

he said, acknowledging the resource gap that exists between Imperial and its competitors in the US and Asia.

The College has taken a three-pronged approach, in which it says it will 'enable talent', 'power research' and 'amplify impact'.

The university will overhaul its efforts to attract and nurture scientific talent with a series of new scholarships and a major recruitment drive.

Researchers will have the opportunity to join one of four 'Schools of Convergence Science', in an attempt to spur interdisciplinary research.

Academics will remain a part of their departments and faculties, but also be able to join a research community in one of the following four areas: human and artificial intelligence; health, MedTech, and robotics; climate, energy, and sustainability; and space, security, and telecommunications.

President Hugh Brady said the schools were "potentially game-changing" in Tuesday's address,

vaunting them as "a new paradigm for scientific exploration", utilising the university's cross-disciplinary expertise to solve the world's problems.

The College will aim to accelerate the journey towards new discoveries and 'amplify' their impact. Imperial



As Chairman Mao once said, 'The journey of a thousand miles begins with a single step!'

will build a series of research hubs in 'strategic global cities'. Under the banner of Imperial Global, the research hubs will build on the College's links with alumni and build new partnerships across the world. The first hubs will be located in Singapore, Ghana, the United States, and India.

Closer to home, Imperial says it will

become the 'engine' of an 'innovation ecosystem' in West London. Under the banner of 'Imperial WestTech Corridor', the White City campus will be developed further to make it a hub for mathematics, data and computer sciences, AI and machine learning, and business.

Speaking on Tuesday, Brady said that the initiative would help grow the UK economy, improve productivity and create jobs, helping to make the UK a "science superpower".

Outgoing College Council Chair John Allan was keen to stress the scale of the plan, drawing upon the words of Mao Zedong.

He said the strategy would "take years to fully implement, but we have to take the first steps. As Chairman Mao once said ..., "The journey of a thousand miles begins with a single step."

UK Deputy PM at Imperial for AI speech

Editor-in-Chief

JAMIE JOHN

Deputy Prime Minister Oliver Dowden visited Imperial last Friday to deliver a major speech on AI, announcing plans to spend £110m in order to deploy AI in the public sector.

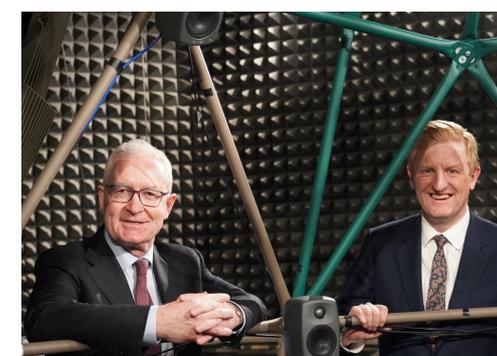
"Imperial has the combined power of over 1,000 researchers across all our faculties and disciplines working to accelerate the safe and productive development and deployment of AI," said College President Hugh Brady.

Imperial is positioning itself as a leader in AI, and has announced a series of AI-related initiatives over the past year.

In early February, the university announced that it would co-lead the UK's flagship £12m AI for Chemistry Hub. The hub aims to bring together researchers working at the interface of AI and chemistry.

On the first day of last year's AI Safety Summit – the first ever global summit on AI – Imperial released a statement calling on the government to draw on the College's technical expertise and make the country 'a global AI leader'.

And in October, Science Secretary Michelle Donelan came to the South Kensington campus to announce 12 new UKRI AI Centres for Doctoral Training – one of which will be based at Imperial. The College has been given £28 million to host its AI centre, which will train PhD researchers to develop AI systems addressing healthcare challenges.



Imperial College President Hugh Brady with Deputy Prime Minister Oliver Dowden last week. Imperial College London

Call for Union Council papers

Next Union Council Meeting:

Tuesday 19th March, 6-8pm, Union Dining Hall, Beit Building

Council Paper Submission Deadline:

Monday 11th March, 5pm

What is Union Council?

Union Council is the democratic voice of students at Imperial. Every four weeks during term-time, Council meets to discuss and vote on papers submitted by students. This allows Council to enact new policy and hold the Union and its officers to account.

Council Members are representatives who are either elected to sit on Council,

or who hold an elected role (e.g., a Constituent Union President) which gives them a seat on Council. Council Members vote on the papers brought to Council.

Any student member of the Union can submit a paper to Council and come along to the meeting to share their views on any papers being discussed.

You can find out more about how Union Council works and how to submit papers by scanning this QR code. If you have any questions or would like to submit a paper, please contact the Union Council Chair (chair@ic.ac.uk).



Scan for more on Union Council

A note from the *Felix* Editor: How you can ask Imperial to change the logo

Over 5,000 signatures, countless emails, Instagram comments galore, posts on Imperial's own social media platform, and coverage from *TimeOut* and *Times Higher Education*. But still, the logo remains.

For the record, I'm not that fussed about the new logo, but clearly students and staff care about it, and Imperial should be listening to them.

Union Council is one way you can keep up the pressure if you are a student.

You can submit a paper on the logo, and ask the Union to lobby against it – if you so wish. If the paper is voted through and approved by the Union's board, student leaders – who talk directly to College management – will press your case at the highest levels.

Nobel Prize winner Didier Queloz visits Imperial

News Writer
AINI NOORALLY

Professor Didier Queloz delivered a talk at Imperial last month, sharing recent advances in research into planet formation and the origin and prevalence of life in our universe.

In 1995, Didier Queloz alongside his supervisor Michel Mayor received the Nobel Prize 'for the discovery of an exoplanet orbiting a solar-type star'. Deep in the Milky way, they found the planet: "51 Pegasi b", in the Pegasus constellation.

Although no stranger to delivering talks, Professor Queloz was incredibly impressed with the level of engagement from the



Swiss Nobel Prize winner Didier Queloz talks Imperial students. Claudia de Rham

Imperial audience and the insightful questions.

The talk was followed by discussions spanning several hours on terraformation, cheese and astrophysics, leaving both the professor and students thoroughly inspired.

Felix Sex Survey: get your responses in!

There is just one week remaining for you to get your submissions in for the Felix Sex Survey 2024. We're pleased to report that we've now exceeded the number of responses received in the 2021 survey – the benchmark we set out to beat a few weeks ago.

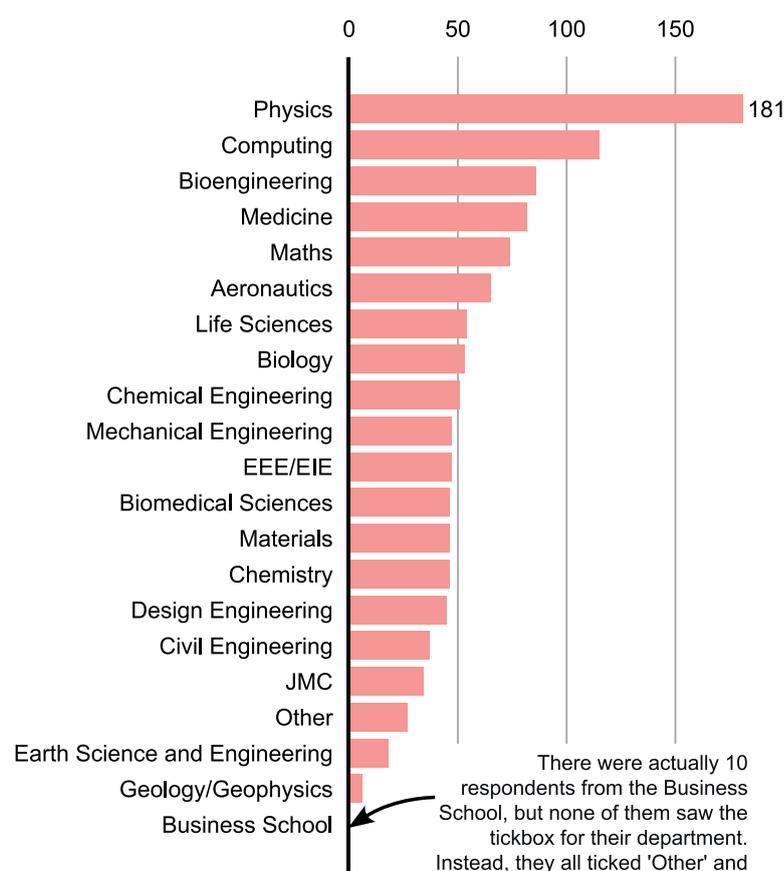
As you can see though, we have far more submissions from Physics than any other course or department (largely due to the prodigious efforts of one Ruby Lydford).

We'd love to see other departments better represented, so please: keep submitting!



Scan for Survey

Physics students are putting the rest of you to shame
Number of responses to Felix Sex Survey by course/department



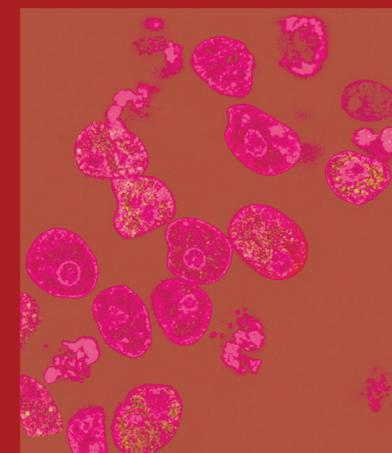
There were actually 10 respondents from the Business School, but none of them saw the tickbox for their department. Instead, they all ticked 'Other' and wrote their affiliation out manually.

Felix

Note, 902 of 2,063 respondents chose not to specify their department
Source: Felix Sex Survey 2024, accessed 04/03/2024

FRESH BLOOD?

we want it.



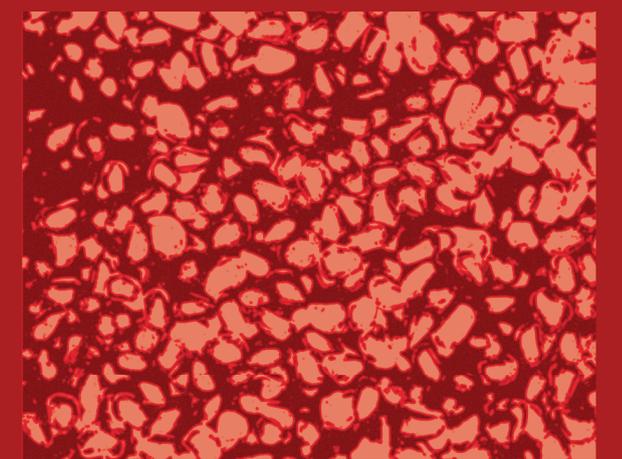
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felix@imperial.ac.uk



Selina Ye



We want you!

Want to perform at our annual Summer Ball?

Take the stage in front of 2500 partygoers at the Imperial's biggest annual event!

We're looking for student performers across a range of talents from singers and dancers to instrumentalists and bands, and all things in between.

Show us what you've got and sign up to audition today.

All student artists will also receive heavily discounted tickets to the event.



SCAN ME



Felix

STREAK SURVEY

HAVE YOU
FELT
THE FIZZ?



SCIENCE

Does low-level coding still have a place in stock market analysis?

In this week's column, Yasmine explores the uses of low-level coding in the financial sector.

Science Writer
YASMINE MARENZI

With the advent of higher-level codes such as Python and C++, low-level codes have essentially fallen into disuse. Binary, whilst being an essential part of the foundation of computing, is not used in modern day software development. Assembly code, a low-level code slightly more readable than binary, does still have some applications. For instance, in the financial services industry, assembly code is used for a specialised trading technique: arbitrage trading.

Arbitrage is where traders will find small pricing discrepancies between different stock exchanges and buy the cheaper stock to immediately sell to the exchange bidding at a higher price. For example, if the London Stock Exchange Group (LSEG) lists Microsoft shares at a price of £400.52 and EURONEXT has them listed for £400.51, traders can buy from the EURONEXT and sell to LSEG for a profit. Of course, no exchange wants to be taken advantage of in this way and when mistakes such as this occur, it usually gets rectified in a matter of milliseconds. This means that in order to execute the trade on the time it cannot be performed manually, it must happen automatically.

Fine-tuned computers which are regulated down to the microsecond are the ones executing these trades. Trading desks will even go as far as buying computer spaces as close to the exchange's central computers as possible to receive pricing updates in as little time as possible. This ensures that once an inconsistency is identified, lightning-fast trade execution code comes into play.



Graphic representation of financial market data. (CC0 1.0)

Traders cannot use higher level languages to write the code which will buy and sell the discrepant shares. Higher level languages are often compiled or interpreted into machine code through an intermediary language, which slows the execution speed down. Further functions of higher-level coding languages such as range checks, which validate the input data, slow the code down even further. As a result, it is much more efficient to use a code that can directly be translated into machine language. However, assembly language



There is a constant pull and tug between the trading desks trying to gain the system and the stock exchanges trying to consolidate the stock prices.

is not only difficult to understand, but most coders would also write inefficient scripts and end up costing the trading desk money. There is evidently a constant push and pull between the trading desks trying to gain the system and the stock exchanges trying to consolidate stock prices.

Of course, with so many specificities, arbitrage trading is a very complicated and tech-heavy industry. So how does it look like in other areas of the financial services sector? Surprisingly, despite the forefront of coding used in some areas, in others, many things are still done manually. In the governance industry, which helps stockholders elect appointed positions in the companies they are invested in, much of the work is still done by post and mail. In the accounts reconciliation sector, which helps financial institutions prepare statements for regulators, many are still relying on Excel. Many major financial institutions are relying on softwares that are decades old for portfolio management systems, custody software, accounting purposes, etc.

So why is it that in the same industry, such specific high-tuned code is used for a minute task while so much of the rest of the industry is lagging? How does it look in other industries? This suggests that perhaps it is time to invest more into computer literacy. With the majority of people only being introduced to coding at a tech-focused university, it is no wonder the financial sector is relying on outdated, manual processes for tasks that could easily be automated...

Live until 100? Live in the Blue Zones!

Felix explores the science behind the Netflix series *Live to 100: Secrets of the Blue Zones*

Science Writer
TEJAS GUPTA

Over the past 100 years, life expectancy across the world has more than doubled. To put that into perspective, a newborn in 1900 had a life expectancy of 32 years. In 2021, this has increased to 71. While this increasing trend has been witnessed globally, certain areas around the world have a life expectancy even higher than this global average.

Blue zones, as they have been termed, are regions in the world where people live longer than average. Currently, 5 regions in the world have been identified with the world's longest living people: Loma Linda (USA), Nicoya (Costa Rica), Sardinia (island in the Mediterranean Sea), Ikaria (Greece), and Okinawa (Japan). These regions are home to some of the happiest – the most vital – and contrary to what one would expect, oldest people in the world. National Geographic Fellow Dan Buettner, who travelled to each of these regions, has deciphered the mystery of the longevity of these people. Here at *Felix*, we identified the following lifestyle choices backed by scientific evidence.

1: Moving naturally

The perils of a sedentary lifestyle in the urban world have been voiced by countless studies and surveys worldwide. Sedentary behavior, such as walking less than 4,000 steps a day, reduces the metabolic benefits of acute exercise concentrated at specific times in the day. Occasional activity, such as walking to the grocers in the evening, taking the stairs, or avoiding motor transport for cycling/walking has shown to have more metabolic benefits and reduce post meal insulin levels. Through their trips across the blue zones, Buettner and his team

discovered that people in blue zones were nudged into moving about every 20 minutes. Gardening was a popular past time activity, people kneaded their own bread, and appliances were largely missing from everyday life. Going out – whether to school, a restaurant, or a friend's house – was mostly on foot. In essence, movement was engineered into their daily lives, which has been shown to have benefits in terms of increased and more efficient metabolism.

2: The happiness of happy hour

Despite the perception of alcohol being detrimental to our health, moderated consumption of wine has its own health benefits. It is rich in antioxidants, is known to lower certain kinds of cholesterol and certain studies even go as far as to say that red wine plays a role in preventing coronary heart disease. Not only do centenarians in blue zones indulge in moderate consumption of the beverage, but they always do so in a social context around friends and family. In these areas, drinking is emphasized less than the socialising and sense of community that is built through the evening get togethers with food and a good glass of wine. The social interactions that come with these happy hour get togethers are known to increase emotional well-being and decrease stress – a guaranteed way of boosting life expectancy.

3: Moderated diets and the 80% rule

Moving to a plant-based diet is a trend that Buettner and his team observed across all blue zones they traveled to. Linking back to gardening as a hobby that incorporated physical exercise into people's lives, also ensured they had fresh produce to eat and moved them away from meat to fresh vegetables. Their need for dietary components such as proteins was ensured through the abundance of beans in their diets – black, soy, fava and lentils. These are a part of diets of communities all across the world but their benefits in terms of their high protein content are mostly ignored. Hand in hand with this, people in Okinawa, Japan also followed what they call the 80% rule. By stopping to eat when their stomachs were 80% full, or when they just started feeling full, they prevented eating more than what their bodies required and hence obesity rates in blue zones were found to be much lower – another contributor to their longevity.



A church in the island of Ikaria (top), and Shuri Castle in Naha, Okinawa prefecture (bottom). JoraK (CC BY-SA 4.0), 663highland (CC BY-SA 3.0)

4: Purpose, family and friends

Longevity in the blue zones can be explained by simple science – eat less, eat more protein and exercise more. These are things everyone has heard and ample studies have shown the benefits of. Blue zones introduced a new dimension into explaining longevity. Centenarians in these areas emphasise the psychological benefits of having a purpose in one's life. Captured in the Japanese concept of Ikigai, knowing why you wake up in the morning and having a clear purpose in life can help. According to a published study, this adds seven years to an average person's life expectancy. Buettner and his team discovered that staying with family and keeping your loved ones close by have also been shown to increase emotional well-being and feeling of security in the elderly. A study, *Aging Alone in America*, reported that 100 years ago, 70% of widows and widowers lived with their families; this has now dropped to 30%.

In essence, eating healthy, eating the right food, moving more often and finding time for friends and family are the simple paths to a healthier, longer and more fulfilling life. As a centenarian in Greece told Buettner, the best kind of tea to drink, is wine.

SUSTAINABILITY FORTNIGHT RECAP

Environment Writer
OSCAR MITCHAM

Environment Editor
SIMRAN PATEL

Sustainability Fortnight was a blast, but you might not have known about it.

Imperial College and the Student Union both send a barrage of emails every month, and every section of the College fights for attention on the advertising screens on campus. It would therefore not be surprising if even climate-conscious students missed that Imperial just dedicated ten entire days to showcasing its sustainability initiatives.

That is where Felix comes in.

Sustainability Fortnight was a packed two weeks of events, speeches, interesting ideas, and welcoming spaces. Here are our highlights:

- **Professor Jim Skea** talks about the United Nations and how dire the climate crisis is
- **Imperial researchers** co-author a report on how the Global South can finance strong climate policy
- **London Student Sustainability Conference** brings the brightest climate minds in London to Imperial
- **Environmental Society** hosted three social events
- **Sustainability Fair 2024**: full of aspiration, lack of attendance?

Sustainability is valued at Imperial for longer than its designated fortnight. To get involved in local climate action, we've collected the details of

groups and initiatives from Imperial on page 20.

Message from Harriet Wallace, Imperial's Sustainability Strategy Director

"We are doing so much to make Imperial more sustainable that this year sustainability week became a fortnight. We hosted the London Student Sustainability Conference here with Imperial College Union – with many inspiring talks and posters from students from Imperial and beyond – and had lots of staff and students join events on laboratory sustainability, launching the Green Impact scheme, a sustainability fair and much more."

"As you'll see, Sustainable Imperial is a priority initiative in the new Imperial Strategy out this week, which highlights the huge investment we plan to make in sustainability, including tackling our biggest impacts on the climate by decarbonising our campuses and adopting more sustainable procurement practices."

"I would encourage everyone to get involved in making sustainability part of how we do things here at Imperial – you can find out more and sign up to the newsletter on our website."

Scan to visit the Sustainable Imperial website!



Sustainable Imperial, Kimberly Kwok, Anand Doshi

IMPERIAL HEARS FROM THE IPCC CHAIR

Professor Jim Skea from the Intergovernmental Panel on Climate Change brings a warning so grim, it's still concerning after being edited by 195 countries.

Professor Jim Skea, chair of the United Nations Intergovernmental Panel on Climate Change (IPCC), kicked off Sustainability Fortnight on Monday 19th February with a summary of the IPCC's recent findings and discussion of how the process works.

Professor Skea was very clear when discussing the findings of the reports reminding us that “we are not well adapted to the climate in which we are living.” He showed us the need to mobilise capital to support mitigation and adaptation and how Nationally Determined Contributions are “still falling well short” of meeting internationally agreed long-term temperature goals.

The IPCC works by consensus so it's the nature of the role that Professor Skea doesn't get to use the same kind of language as United Nations Secretary General, Antonio Guterres. In response to Working Group 3's report in the sixth assessment cycle, Guterres said, “Demand that renewable energy is introduced now at speed and at scale. Demand an end to coal-fired power. Demand an end to all fossil fuel subsidies.” On the same report, Professor Skea said “we are not talking about business as usual if we are going to address the challenge of climate change” back when he was co-chair of working group 3.

Skea's presentation, titled The need for science in a carbon-constrained world, discussed how the IPCC informs policymakers and some key figures from the latest assessment cycle. It didn't explain well what scientists can do now that there is already such unequivocal evidence of climate change.

The Paris Agreement, agreed in 2015, has three main goals:

To limit warming to well below 2°C, while pursuing effort to limit the increase to 1.5°C.

To increase the ability to adapt to the adverse impacts of climate change and foster climate resilience and low greenhouse gas emission development.

To make finance flows consistent with a pathway towards low greenhouse gas emissions and climate-resilient development.

The IPCC seeks to address all of these.

Professor Skea pointed out that we need to make a 43% emissions reduction by 2030 relative to 2019 to

meet the 1.5°C target, and that the “risks for a given level of warming are larger than we thought” when comparing the findings of the sixth assessment cycle to the fifth. An alternate pathway to 1.5°C in 2100 would be to allow some temporary overshoot, and in this scenario, emissions would need to peak in or before 2030.

The Illustrative Pathways highlight some of our options for addressing global warming. We're on track for between 2.2 and 3.5°C of warming right now. However, scenarios such as the IMP-LD show we have other options. This pathway leans on behavioural change early to give hard-to-decarbonise sectors the chance to do just that, and in doing so would keep warming to 1.5°C.

There are big financial gaps that need to be filled to combat climate change. Investment needs to scale up four or five times to mitigate further global warming and even more to adapt to the effects of climate change. “Adaptation and mitigation - there's no choice between them, they're complimentary,” said Professor Skea.

That said, investment in mitigation options like wind, solar, and improving energy efficiency generally saves individuals money in the long run.

Project Drawdown reached similar conclusions across many of the solutions they assessed. Drawdown estimates it would cost \$0.92-1.89 trillion to build on-shore wind turbines but they would reduce emissions by up to 143.56 GtCO_{2e} by and result in \$3.77-9.83 trillion in lifetime net operational savings.

There is currently no timetable for the seventh assessment cycle after the IPCC weren't able to agree one in the time they had. Professor Skea said chairing the “IPCC is not easy but it's worth it.”

Professor Skea is an emeritus professor at Imperial, and Climate and Innovation advisor at the Centre for Environmental Policy. During his talk, he noted that several researchers at Imperial have been part of the IPCC.



Explaining the IPCC Illustrative Pathways

- **IMP-Neg:** Limiting global warming to 1.5°C with a high reliance on net negative emissions, i.e. carbon capture
- **IMP-LD:** Limiting global warming to 1.5°C with a high resource efficiency and lower energy demand
- **IMP-SP:** Limiting global warming to 1.5°C with a focus on sustainable development, using solutions with co-benefits such as reducing economic inequality
- **IMP-Ren:** Limiting global warming to 1.5°C with a focus on renewable energy
- **IMP-GS:** Limiting global warming to 2°C with less rapid emissions reduction initially and gradually strengthening mitigation measures

THE TOOLS FOR SUSTAINABLE DEVELOPMENT

Imperial's Centre for Environmental Policy has helped write a guide for how the Global South can go from data to deal.

After Professor Jim Skea's talk, researchers from the Centre for Environmental Policy (CEP) presented their projects in Queen's Tower Rooms. One project stood out to me – a new paper setting out a guide for low- and middle-income countries (LMICs) to finance a just transition and their development goals.

The paper, called *Data-To-Deal: an emerging and effective approach to financing the climate transition* and published on 26th January, was written by a group of researchers from Climate Compatible Growth (CCG). CCG is a research initiative funded by the UK's Foreign Commonwealth & Development Office which includes academics from leading UK universities. Academics from Imperial involved in the report include CCG director Professor Mark Howells, CEP alumnus Hannah Luscombe, and current CEP Principal Research Fellow Dr Vivien Foster.

relationship by keeping benefits to themselves.

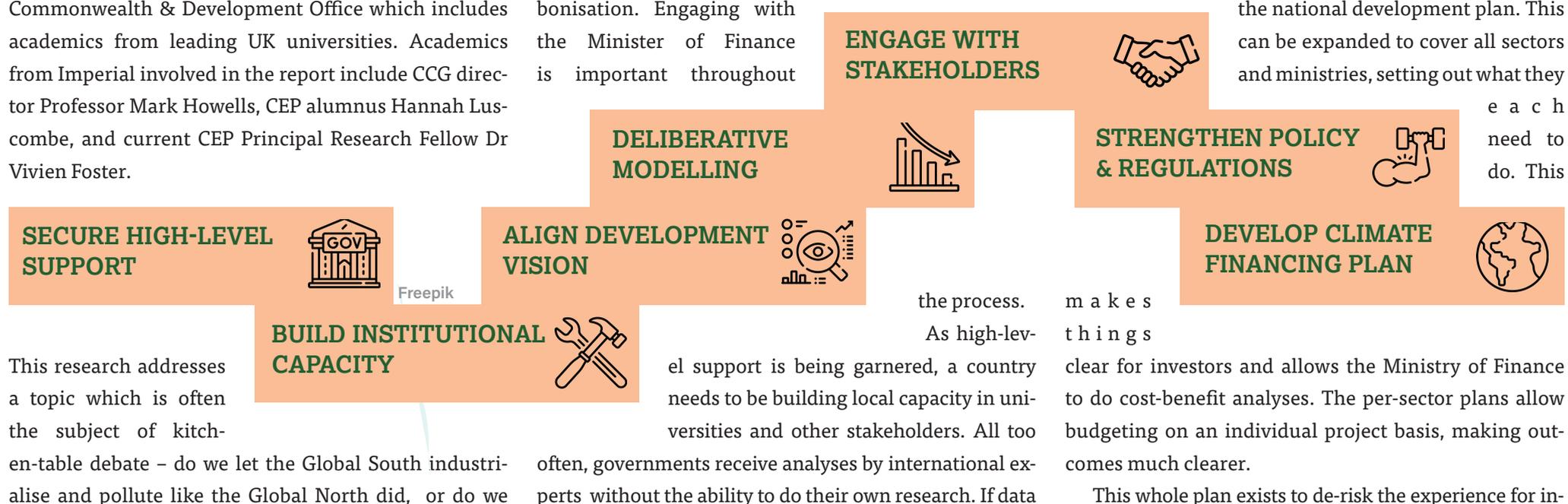
According to Dr Foster, "Data-to-Deal is a framework outlining the critical steps involved for LMICs to develop their own approach to planning and financing the climate transition." The guide is the result of collaboration between 60 specialists including government officials, financiers, and academics.

The first step is about getting high-level support in government. In the case of Costa Rica, who successfully secured \$2.4 billion in climate financing, this meant the president publicly and clearly committing to decarbonisation. Engaging with the Minister of Finance is important throughout

the process. As high-level support is being garnered, a country needs to be building local capacity in universities and other stakeholders. All too often, governments receive analyses by international experts without the ability to do their own research. If data

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If this were possible, it would help put the Global South on a level playing field with the Global North

can be gathered and analysed locally, it will be of a higher quality. That's not to dismiss the role of international ex-

the process. As high-level support is being garnered, a country needs to be building local capacity in universities and other stakeholders. All too often, governments receive analyses by international experts without the ability to do their own research. If data

m a k e s t h i n g s clear for investors and allows the Ministry of Finance to do cost-benefit analyses. The per-sector plans allow budgeting on an individual project basis, making outcomes much clearer.

This whole plan exists to de-risk the experience for investors by making the process clear and the goals certain. All political decisions are vulnerable to changes in government, but this goes some way to producing a financing strategy based on a trustworthy decarbonisation strategy.

Costa Rica stands out as a case study: it raised \$2.4 bn from initially investing only \$200,000 in this process. CCG's goal is to take lessons from Costa Rica to other nations and encourage a similar approach. In general, they promote capacity building and the expertise required for countries to make their own evidence-based policy decisions.



TBC

LONDON STUDENT SUSTAINABILITY

Imperial College hosted the London Student Sustainability Conference 2024 (LSSC) on Wednesday 21st February. The event, with students from 10 collaborating universities, ran from 10:00 to 19:00.

The welcome address featured Dr Omnia El Omrani and Laura Young, who spoke about their work as climate activists.

The day was split into five sessions, each of which consisted of multiple talks or workshops running in parallel. Research and projects were showcased from across the participating universities on topics including the psychology behind fast fashion, power dynamics in UK agriculture, and digital sustainability.



Because information is given one way to people attending talks, we're not building the connections that we need to address the climate crisis.

Posters of sustainability research from the partner universities were displayed all day at the back of the Great Hall, sparking conversations at the networking afterwards. During the closing remarks, awards were presented for the best posters submitted beforehand.

The conference focused on mitigating climate change, with a distinct lack of talks on adapting to its effects. This is a broader problem in the climate space, even though adaptation requires more funding. Despite that, I found the day energising and informative. I would thoroughly recommend attending next year if you can – perhaps online depending on where it is hosted.

The surplus of food redistribution

Natalie Jakiemiec highlighted a crucial dissonance between doing surplus food redistribution (SFR) to address food insecurity and doing it to address food waste. If the goal of SFR is to reduce food waste, we'll eventually run out of waste to donate. She also did not want SFR to be described as “leftover food for leftover people”. She went on to speak about how SFR is framed in policy, and what lessons we might take from that.



TBC



ABILITY CONFERENCE 2024



TBC

Inclusive Floodscapes: Empowering Minority Ethnicities for Urban Flood Resilience

The Student Sustainability Research Conference and the LSSC swapped speakers. Blessing Mucherera from the Student Sustainability Research Conference told us about Hull, the city most at risk of flooding in the UK. In his talk, Mucherera explained how he is using a serious game to educate the people of Hull about the risks of flooding and gather data for his research. He also highlighted issues residents face accessing flood policy.

Connecting with each other and the planet

Elliott Stoclet and Milan Paczai from Imperial's Education Office took an issue they saw with the conference into their own hands. Because information is given one way to people attending talks, we're not building the connections that we need to address the climate crisis. Their talk provided an opportunity for attendees to notice each other. Milan shared his personal concerns and asked us to do the same in a bit of mindful journaling. Elliott had us stretch, lock eyes with a random person, and finally all stand in a circle holding a piece of string. As I write this, I am still wearing my bit of the string around my wrist.

The other opportunity for networking was lunch, featuring vegetarian and vegan food. The line, which stretched so far that it looped back round to where the food was, was a highlight.



TBC

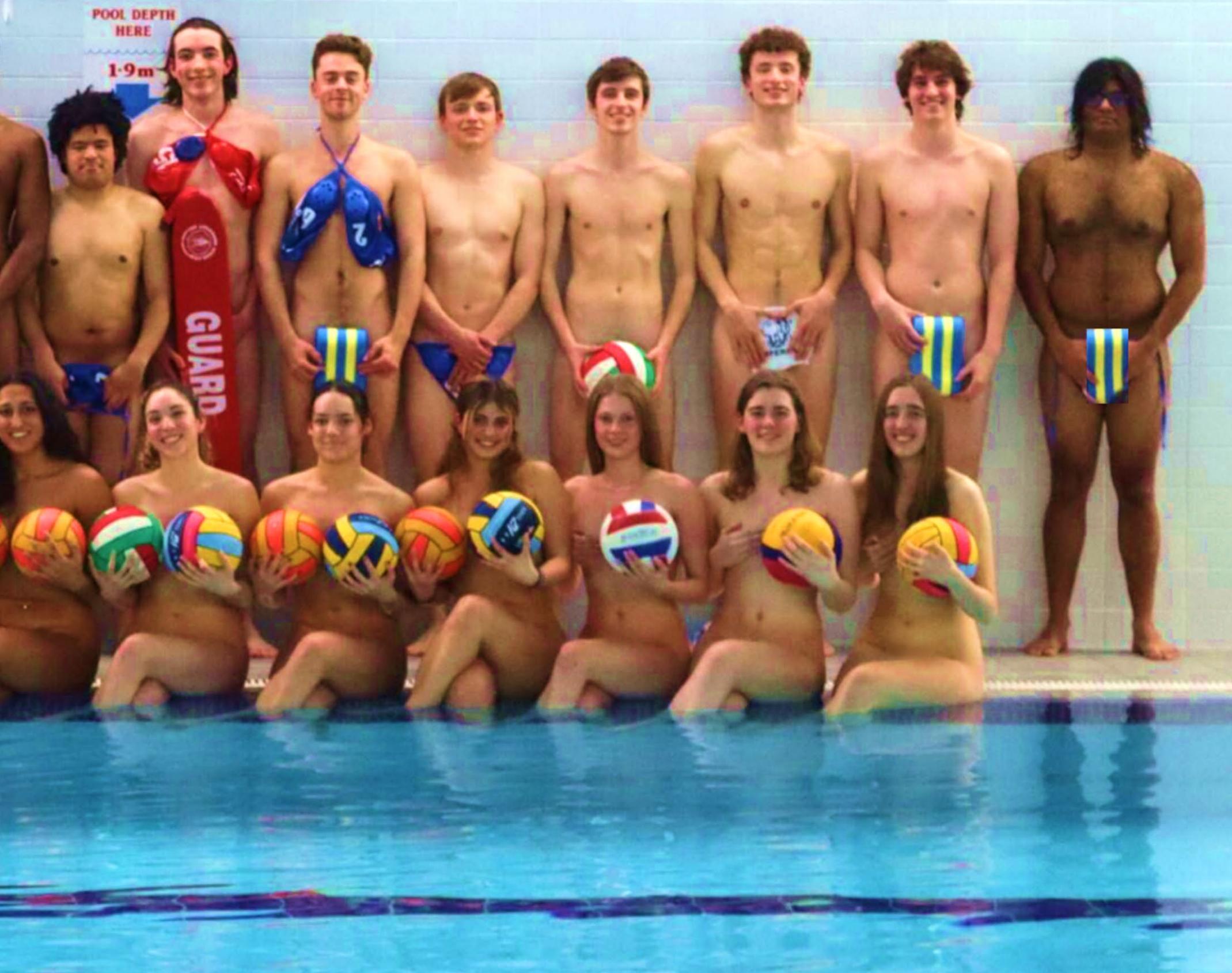
GET WET WITH IC VARSITY - ETHOS



CSWP

- 7PM!

ALL FOR CHARITY



SUSTAINABILITY

FAIR The annual celebration of local environmental groups was split into two rooms this year - did it work?

The Sustainability Fair was on Wednesday 28th February from 11:00 to 15:00 in the Sherfield Building and from 12:00 to 18:00 in Metric.

Stalls in the Sherfield Building were run by the Grantham Institute, Central Sustainability Hub, Move Imperial, and Students Organising for Sustainability UK's Green Impact initiative. The Grantham Institute is Imperial's premier climate research collective. At the fair, they

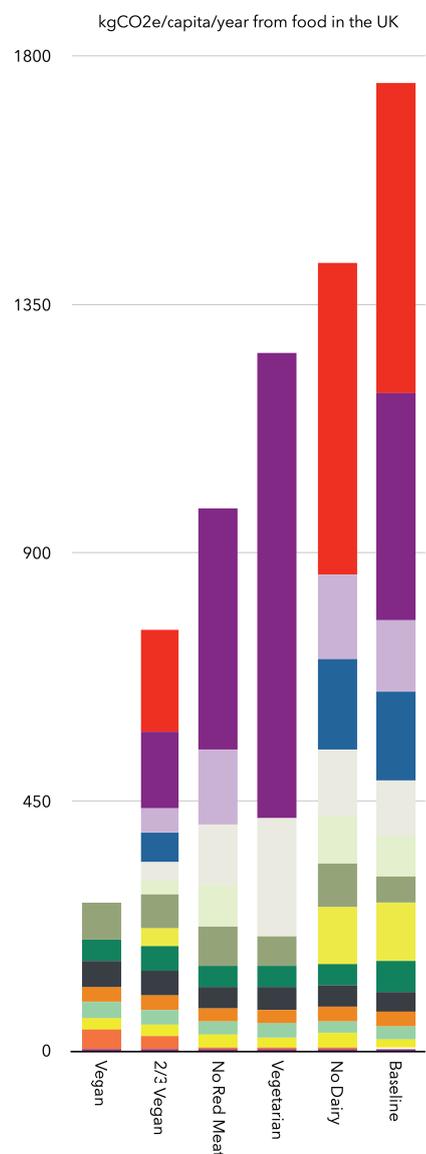
promoted plant-based milk, and other initiatives individuals can take to fight climate change. Move Imperial handed out high-visibility jackets and other tools for cyclists to stay safe in London. Green Impact was present to promote its new partnership with Imperial, where research groups can compete to have the most sustainable operations.

The coveted Sherfield Building spots were a subject of envy among those in



Imperial's Grantham Institute had a stall raising awareness about lifestyle changes which benefit the climate. Sustainable Imperial

EAT MORE PLANTS!



Eating more plants is one of the best things you can do for the Climate.

- It's big: **21-37% of global emissions** are caused by the food system. That's enough to **blow through our carbon budgets** for **1.5C** and most of **2C**.

- It's healthy: **eating red meat caused 900,000 additional deaths** in 2019.

- It's impactful: just by changing your diet, **you could reduce your emissions from food by 84%**.

The UK is already 13th worst in the world in terms of per capita food emissions. We need to eat more plants!

For full sources, see climatesoup.co.uk/20230423-foodposter/.

Key: ● bovine meat, ● dairy, ● poultry, ● pig meat, ● eggs, ● aquatic animals, ● grains, ● sheep and goat meat, ● sugars, ● vegetables, ● vegetable oils, ● fruits, ● starchy roots, ● pulses and soy, ● nuts and seeds (top to bottom).

Plant-Based Universities Imperial used this poster to campaign for more plant-based food to be served on campus. Oscar Mitcham

Metric – especially from those running the repair workshop, who had been in the Sherfield Building in previous years, and Plant-Based Universities (PBU), who had been told they had a space in the Sherfield Building only to have arrangements changed last minute. The event was supposedly publicised but the total attendance in Metric was, generously, 10 people. I was at the Plant-Based Universities stall for four hours and saw maybe one person. The unexpectedly low traffic caused frustration among the people working the stands, who began packing up hours before the event was supposed to end. One activist on the day said “this is absolute sh*t” before packing up their stand early and leaving.

The four stalls which were relegated to Metric were PBU, Environmental Society, Students Organising for Sustainability (SOS), and a Repair & Upcycling workshop. For more information about getting involved, check page 20.

At the repair workshop, I had the opportunity to repair several holes in my waterproof jacket – the design of which

they called “just stupid” – while sitting at the PBU table.

All the stalls in Metric addressed critical areas where behaviour change is needed – exactly what one could hope to achieve at a better-placed stand. PBU encourages eating more plants, which is the most significant behavioural change we can make to reduce our emissions according to the Intergovernmental Panel on Climate Change. Environmental Society's gardening does crucial work connecting people to nature. Their campaigns for Ecosia on campus (read more in *Felix* issue 1821) and abolishing single-use plastics promote easy wins that could do with more popular support. SOS is a national campaign encouraging specific actions for students and organising within halls to improve sustainability. Repairing and upcycling clothing is critical to the circular economy and addressing fast fashion.

ENVIRONMENTAL SOCIETY RULED SUSTAINABILITY FORTNIGHT

Anand Doshi

Social Secretary, Environmental Society



Anand Doshi



Ioana Balabasciuc



Sustainable Imperial



Ioana Balabasciuc

Environmental Society has provided Imperial students with ways to destress and socialise since 1997, while raising awareness about the most pressing threats to nature. This Sustainability Fortnight, the society ran three incredible events to encourage sustainable lifestyles and connect students with nature.

Paper Upcycling Workshop in Collaboration with Origami Society – 21st February

Attendants were encouraged to bring used paper – old notes, practice problem sheets, and even past exam papers – to the workshop. With the help of the artists at Origami Society, the paper was turned into dragons and cranes! Not only did the dragons look extremely cool, but some designs could store stationery.

Secret Garden Planting with Gardening Club – 28th February

Environmental Society's secret garden is a hidden gem on the South Kensington campus. Last Wednesday, a group of merry garden lovers gathered there to plant tomatoes and bell peppers. With help from the Gardening Club at the Multi-Faith Chaplaincy Centre, they spread some compost over the flower beds in both the secret garden and the chaplaincy garden. After an afternoon of hard work, they gathered for tea and a discussion about the sustainability initiatives on campus.

Beeswax Workshop in collaboration with BioSoc and BioChemSoc – 1st March

The beeswax workshop is an annual tradition for Environmental Society members, but this year it was done in collaboration with departmental societies from Biology and Biochemistry. About 50 nature enthusiasts gathered to make their own lip balm and reusable food wraps. It was an evening full of scented oils, satisfying beeswax melting and anti-consumption!

FEELING INSPIRED? GET INVOLVED!

PLANT-BASED UNIVERSITIES

Fill out their survey asking for input on feelings and concerns about Union outlets transitioning to 100% plant-based food within the next five years.



Attend their gardening sessions every Wednesday near Prince's Gardens at 14:00. Their next monthly campaigns meeting is on Monday 11th March, 18:00-20:00 in SAFB 120.

ENVIRONMENTAL SOCIETY

IMPERIAL CLIMATE ACTION

Sign and share the petition asking the College to divest from fossil fuels. Attend divestment campaigns meetings every Friday 12:00-13:00. Help raise awareness about UK biodiversity.



UK
ENGINEERS
WITHOUT BORDERS
IMPERIAL COLLEGE LONDON



BOTANICAL SOCIETY

Join the WhatsApp group and attend Botanical Society events, including new Botanical Bingo sessions.

VEGSOC

Attend monthly dinners at London's best plant-based restaurants, and take part in their annual vegan Bake-Off.

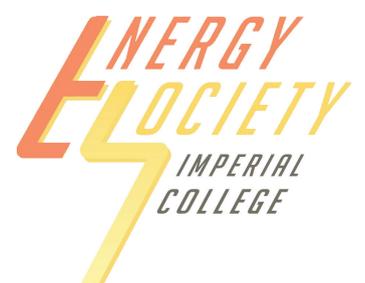


On Mondays, bring lunch to Imperial+ weekly meetings – where sustainability-minded students from all departments and societies discuss how Imperial can become greener. Monday lunches are a great way for newcomers to integrate into Imperial's vibrant sustainability scene.

IMPERIAL+

IMPERIAL COLLEGE UNION

Attend the Union's monthly sustainability forums which are open to everyone. Browse the Union's sustainability webpage to discover other environmental societies at Imperial.



COMMENT

Liberal feminism and men's mental health

What place does men's mental health have in the feminist discussion – if any?

Comment Writer
ANUBHA BAL

(Contains references to mental health issues, suicide, and sexual assault)

To make the idea of 'feminism' or 'gender equality' (a term poorly defined by liberal feminists) palatable to men, I often hear a following intense discussion surrounding men's mental health. This brand of 'feminism' is sold by the corporate world to prove patriarchal capitalism is justifiable, as long as it flies a pink flag and is led by a woman. Liberal, a cover term for patriarchal, feminism operates under the assumption that men's lives, systems, and actions are the desideratum. The discrepancies between this faction of feminists and their advocacy for equality with men in a fundamentally unchanged world, and a true women's liberation movement are immense. The issue I am going to focus on is the emphasis on men's mental health as if it were the sine qua non in feminism.

As a supporter of a revolutionary women's liberation movement that insists on a changed world as opposed to seeking equality with men in the status quo, a conservative aim that is itself ill-defined, I am no stranger to controversy, and in that spirit, I present my concerns on the discourse surrounding men's mental health. Another opinion piece I read critiqued feminism in general and the writer asked, 'How often do we see feminists stand up for the hardships of men?' My answer is too often. I

presume the writer wrote their piece rhetorically, failing to justify why these so-called hardships are relatively significant compared to women's true hardships.

Men's mental health is often viewed as the systematic subjugation of men as a social class. Many feminists will agree that patriarchy oppresses men as they sacrifice the ability for emotional expression. Some of us take a different approach. Phrases that imply men are oppressed by the patriarchy at all reduce it to a random and aimless system with individual men and women as bad actors, rather than an institutionalised entity with men as a social class being material beneficiaries, in which women are systematically stripped of their personhood from birth and truly oppressed.



'How often do we see feminists stand up for the hardships of men?'
My answer is too often.

I do not believe that a social class that is both a material and an immaterial beneficiary in an oppressive system can ever be classified as a victim of that system. Victimhood is relative – all humans could be seen as victims of capitalism – but given the immense power and advantage that it gives the super-rich, they cannot be considered victims, as any victimhood they may claim is thoroughly and definitively outweighed by the material and immaterial benefits they enjoy through exploiting others.

The same is true of patriarchy. Men are not its victims in the same way that those who own the means of production are not the victims of capitalism. The inability of men to express sadness through tears in front of their peers is relatively insignificant compared to the subjugation of their female counterparts, and therefore they

should not be described as victims of the same system that allows them to enjoy the benefits of the exploitation of their sisters, mothers, and wives.

Now, let's look at the fallacies which are often invoked when discussing the principally incomplete data. Quite often, when men's mental health is viewed as a form of oppression, various statistics are invoked when arguing so – the male suicide rate being one of them. We could spend hours talking about reported statistics, yet mentions of women having higher rates of anxiety, depression and attempted suicide are met with the argument that men's mental health issues are stigmatised, and so the men's rates are under-reported – which, aside from being a symmetric argument, is frequently a disguise for the thought process 'we believe the men's rates are true but the women must be exaggerating'. What is never mentioned in this counterargument is that mental health issues are widely stigmatised in general – there is no reason why women somehow overcome this, while men do not. To avoid a lengthy discussion about the trustworthiness of universally underreported statistics, I will discuss the roots of the argument.

A frequent argument is that men face social pressures to conceal their emotions to some substantial degree. What is ignored is that women are forced into emotional suppression to an arguably more severe degree by not being able to express anger or pain in conventional ways, and being socialised to be submissive no matter how much they resist. The average woman's life is almost guaranteed to include her being resigned to be a wife and being expected to provide the traditional unpaid services of a wife, being used by her partner for housework, doing the emotional labor in her relationships with men, being sexually assaulted, being abused emotionally and in many cases physically or sexually by her husband, bearing the children and raising them (but not being able to give them her name), and that is to list but a few things which define the lives of women in the world, which no one seems to notice.

She is stripped of her dignity, her right to self-deter-

mination, and her sexuality, and is instead groomed into femininity; this fundamental denial of her personhood demands emotional repression. These experiences are far more damaging to women's mental health than what men experience. I postulate that women's rates of suicidal thoughts as well as their rates of depression are higher than men's – but their ingrained sense of immense responsibility to those around them including their children as they are forced to be the primary caregivers, and their socialisation to care more for others' wellbeing than their own, lead to less women carrying out their intentions.

Men do not face the same type or extent of such social pressures. The argument that states men are oppressed by patriarchy due to the social pressures that make them commit suicide and therefore are subjugated does not explain why women, who generally lead harder lives and face more damaging experiences, both in severity and frequency, under a system which hates them, do not have higher rates of suicide.

Furthermore, it is important to explore how men and women exhibit depression. While men exhibit mental



This fundamental denial of her personhood demands emotional repression

health issues in external ways, leading to violence and substance abuse, women, despite experiencing more intense effects, fail to exhibit such external symptoms and instead internalise their feelings. This is once again caused by the fundamental denial of personhood to women and the socialisation of men. Men's violence or self-destruction as a response to anger is condoned and the victims of these responses are ignored. This evidence is often ignored in conversation as the supporters of the proposed 'subjugation of men' refer to clinicians' biases against men and their emotions, but this again fails to consider that clinicians are far more biased against women. Women who have neurodevelopmental disorders go undiagnosed, women with physical conditions go ignored, and women's pleas to doctors are frequently dismissed or attributed to mild anxiety or hormones.

One cannot argue that men as a social class are the predominant victims of emotional stifling. When we analyse capitalism, which does alienate all people, we never frame the super-rich as the victims, and when we analyse white supremacy, which again separates and divides people and stops them from enriching their understanding of cultures, we never frame white people as the victims. Unfortunately, uniquely when analysing patriarchy, are we hellbent on framing men as victims too.

Men's emotions may indeed be stifled to some extent

under patriarchy – those men who challenge me on my views assert that they feel uncomfortable being emotionally open in front of their peers, specifically with sadness or disappointment. They also assert that to solve issues affecting predominantly women, like sexual abuse, we must prioritise men and fix men's mental states first.

To this, I present two responses. Firstly, women's emotions are repressed to a larger extent as outlined above about anger and frustration. When it comes to sadness, women are often regarded as hysterical, and their concerns are ignored, while men who cry publicly may be regarded as 'feminine', a word sometimes synonymous with weakness. However, being emotional is something men can use to their social advantage. Openly emotional men are regarded as caring and kind – we even see this odd praise during political campaigns, such as Obama's reactions to national tragedies, which were at worst reported neutrally. The outcome of men being openly sad is at best praise, and at worst, mocking and some form of emotional repression. This worst-case scenario is not even comparable to the emotional repression of women, the denial of their concerns by the doctors and the psychiatrists, the frequent way in which they are mocked by those around them for 'hysteria', and their forced resignation to a life of subjugation.

Secondly, men's violence against women is not borne from men's depression – it is borne from the dominance and submissiveness dynamic between men and women. In the words of Catharine MacKinnon, it is the so-

cial requirements of heterosexuality that define gender, and this "institutionalises male sexual dominance and female sexual submission". There is no reasonable case for suggesting that stopping men's violence is contingent upon prioritising their allegedly more important depression. Arguing that men rape because they are depressed or because society doesn't give them enough support implies that there is no socialised violence in men as a social class. We can easily ascertain this to be false by observing their behavior when interacting with women and with each other. As mentioned before, it is reported that men's mental health issues are also expressed far more violently than women's, and this implies that men are socialised to be violent. Otherwise, we would be arguing that violence comes from depression itself, and that does not explain why women, who have higher rates of depression, are not more violent.

In this piece, I have been careful not to assert that the mental health of humans is not a societal issue, but it cannot be used to frame men as victims of patriarchy in any reasonable way. Arguments on this topic, but through summarising some points I conclude that the discussions surrounding mental health issues in which men are frequently considered victims of patriarchy do not stand up to even the brief analysis I have been able to give. Continuing to frame men as patriarchy's victims and centering them in these discussions and policies is frankly a disservice to the women of the world.



halfpoint

ARTS

College or Corporation?

‘Tragedy in Blue’ or ‘The Artist formally known as ‘...College London’

Arts Editor
GILBERT JACKSON

When it comes to a brand, design is of paramount importance. If you want your brand to do well, you want a simple, easy to visualise logo that stands out on a sign and sticks with people even after a quick look. However, while simplicity is a helpful guideline for a logo design, it shouldn't be the only factor we consider. A good logo is also one that is iconic, unique, and lets the consumer know what it actually is; communication is key. For example, the logo of the Walt Disney corporation is not the simplest in the world (it is quite literally Walt Disney's signature rendered in typeface) but it is instantly recognisable and iconic proving that less is not necessarily more.

In a bold, controversial, and quite frankly stupid move, Imperial has decided that it was time for an unnecessary rebrand. The college's own website says that the rebrand will “tell our story with even greater clarity, confidence and impact.” One must first ask how Imperial College will attempt to tell its story with clarity now that it proclaims itself with a single adjective of ‘Imperial’.

The actual design aspect of the shocking rebrand has been done by the company ‘Pentagram’ whose suite of

white, male, tieless suit-shirted non-jobs are quids-in for coming up with the revolutionary idea of changing the blue to...get this...a worse shade of blue, and having the name ‘Imperial’ rendered in a rather chunky sans serif. Imperial College also felt the need to make an inclusivity consultancy privy to its design which - judging from the collective disapproval from the student body - means it did a good job at making all students equal in their hatred for the rebrand.

Where did it go wrong then, how can we address this, and could a five-year-old do a better job? To answer this one needs to do an old-fashioned compare and contrast. Imperial's now old logo featured the College's full name in both Imperial Blue and it's lighter counterpart flanked by the college crest. The communications logo featured the same blue colour scheme but with a bold white ‘I’. Blue and white is an age old combo (as old as the earth in fact as clouds are white and the sky is blue), and it remains a pleasing combo. Off white colours are also very trendy in design circles as they allow one to match many off whites with different undertones (beiges and creams) which allows one much greater colour diversity and creativity with the design.

Now let's look at the new logo: It has removed any and all recognisable identifiers choosing instead to remain as ‘Imperial’ and all colour schemes showcased attempt to cause great distress to the viewer by choosing contrasting colour schemes: blue with green, green and pink, blue and orange etc. The font is a rather squat sans serif lacking in any character, and the accessories (lanyards, keycards etc) look more like a finance internship merchandise than college property. Such colour

schemes, merchandising, and showcasing are not foreign to us however, we see corporations like apple, google and facebook use such minimalistic brands all the time in their publications and chose to showcase their designs with an art style known as ‘Corporate Memphis’ which incorporates bold, contrasting colour schemes and exaggerated art styles. What's gone wrong then, is that Imperial has disregarded its collegiate identity and history dating back to 1909 in favour of imitating the big tech conglomerates with which it hopes to compete or do business with, and cares more about its image on business plans and contracts rather than on its students' degree certificates.

How can we address this? Currently there are many petitions online regarding the boycott for this rebrand however one fears it may be too late. Imperial swooped in like a thief in the night to quickly replace all it's sign posts and logos before anyone could raise a hand in protest. The damage has been done and it may be irreparable. However, we should continue to protest such things as best we can, Imperial College has now built a reputation of commissioning art and designs that no-one asked for that overpaid management-types thought was ‘pretty neat’ such as ALERT and the still-in-the-works god-awful Blackett mural. Should the college continue to promote shockingly terrible designs, they may find their hallowed student satisfaction score go through the floor?

And finally, could a five-year-old have done better? Most certainly! This is one piece of art that won't be going on the fridge!



Imperial's new merchandise Imperial College London

IMPERIAL

Player Kings

A review of Robert Icke's retelling of 'The Henriad'

Arts Writer

CHARLIE CHUA

If I were to ask you what are the first plays that come to mind when I say “Shakespeare”, you would probably say *Romeo and Juliet*, *Macbeth*, or even *Hamlet*. Perhaps these are his most notable works. Or perhaps this is what years of High School Literature have trained us to regurgitate. Either way, you would be hard pressed to find someone answering with *Henry IV* parts 1 and 2. They are not the most memorable of titles nor is their subject the most notable of Royal Henries. Within Shakespeare's oeuvre, both works are best remembered as part of a tetralogy known as the *Henriad*, wherein critically, the whole is often considered greater than the sum of its parts.

To not alienate modern audiences, writer director Robert Icke has combined both parts into a single play, retitled, *Player Kings*, which had its opening night last Friday at the New Wimbledon Theatre. The new title implies a shift away from the political and historical aspects of the original plays, instead focusing on the ‘players’, or actors, responsible for bringing the characters to life. The setting has similarly been updated to a modern one. Negotiations are now done over telephone; armour has been swapped for military fatigues and swords have been traded for handguns, although talk of beheadings have survived into Icke's script.

Richard Coyle (*Fantastic Beasts: The Secrets of Dumbledore*) plays the once titular King Henry IV. Despite the peripheral role, his presence is always felt. Coyle plays a Henry IV at war with his own convictions. He is torn between maintaining stability and waging war. He is torn between his ambitions as king and the guilt of usurping his cousin Richard II. Above

all, he is torn between his disappointment in Prince Hal's wayward behaviour and his hopes for his son's future as a worthy successor. Coyle best captures the character's inner turmoil when he breaks the fourth wall to provide a sombre delivery of the play's most iconic line, “Uneasy lies the head that wears the crown”.

Uneasy is an understatement when heir-apparent Hal is mingling with the likes of Sir John Falstaff in the seedy Eastchapel Tavern. Toheeb Jimoh (*The French Dispatch*) plays a Hal fighting his own war. He is torn between his duties as successor and his loyalty to drunken friends. One of whom is Falstaff, an aging knight in constant need of inebriation. He is a humorous but comforting sight for Hal when away from the royal court — a court jester in Hal's own court of outcasts.

Playing Falstaff is the play's headliner, Sir Ian McKellen. While McKellen will be recognised by most as Gandalf from *Lord of the Rings*, he was perhaps best known in his early days as a champion of theatre. He is no stranger to Shakespeare. His experience as a leading man in Shakespearean theatre has progressed with age, going from princes to kings, from *Hamlet* to *Lear*. Now, at the golden age of 84, McKellen's role as Falstaff marks a modest step away from the spotlight.

His career on stage appears to have reached its canonical tail, playing an aging knight who is neither eponymous nor the protagonist, but rather, a comic relief. Even if Falstaff is a man past his prime, McKellen proves that he is still in it. He plays the aging knight with sincerity, and yet, with the same verve and charisma of a newfound talent. McKellen



Curtain Call Charlie Chua

flexes his comedic chops, proving that he can do more than play tragic heroes. That said, McKellen's Falstaff is not without nuance.

While most of the source material is preserved word for word, Jimoh and McKellen's delivery of Shakespeare's writing paint a pivoted portrait of Hal and Falstaff's relationship. In Part 1, Hal and Falstaff are traditionally portrayed as having a friendly relationship. However, *Player Kings* interprets their relationship as one that has eroded with time and soon to reach its breaking point. This is a Hal that appears disillusioned with Falstaff's boisterous demeanour.

One scene that sticks out is from Part 1, set in the Eastchapel tavern. Hal and Falstaff take turns role playing the King and his advisor, in a mocking exchange. It is a scene played for laughs, and McKellen got many out of the audience, including myself. Things takes a heated turn when Hal takes the place of his father. Traditionally, the insults Hal direct at Falstaff in the King's voice are made in jest, with irony helping to soften the blows and keep the tone of the scene light. The scene is also meant to foreshadow Hal's ultimate betrayal and abandonment of Falstaff and his friends, as his sarcastic remarks mask reservations about their character.

However, Jimoh does not play a textbook Hal. He takes words that could have been read as playful jabs and sharpens them into daggers, hurling them with resentment to attack Falstaff's appearance and demeanour. Though the underlying tension is meant to be subtle, Icke's direction brings Hal's deep-seated resentment to the forefront. It makes you wonder how many lies Falstaff told to push the young Prince to such an edge. McKellen drops Falstaff's joyful demeanour as Hal's tirade goes on, and for a moment I got the sense that he saw Hal's underlying feelings peek through. It makes Hal's eventual turn all the clearer.

With this alteration, Icke re-contextualises a few of Hal's actions. Take his masked robbery of Falstaff after one of his heists for example. Hal's eventual reveal to everyone in the tavern that Falstaff had lied about how he got the money stolen can no longer be interpreted as a practical joke, but rather as an exposé on Falstaff's compulsive lying.

Although, in sticking to the script, this interpretation takes away from other canonical events. Hal's endorsement of Falstaff in the latter half of Part 1 to select the conscripts for his platoon makes less sense knowing his distrust. Furthermore, Falstaff's supposed death, in what



Cast Rehearsals Manuel Harlan

I imagined would have been a consolation for this version of Hal, initially plays out like a tragedy.

Ultimately, these hiccups are not enough to distract from the central theme of Henry IV, that is the tension between duty and personal identity. After watching *Player Kings*, I am reminded of how Shakespeare's writing still rings true even after 500 years.

If all of this, besides having Sir Ian McKellen's name on the tin, has convinced you that this latest adaptation of Henry IV is worth your time, there are a few more factors to consider before putting your money down.

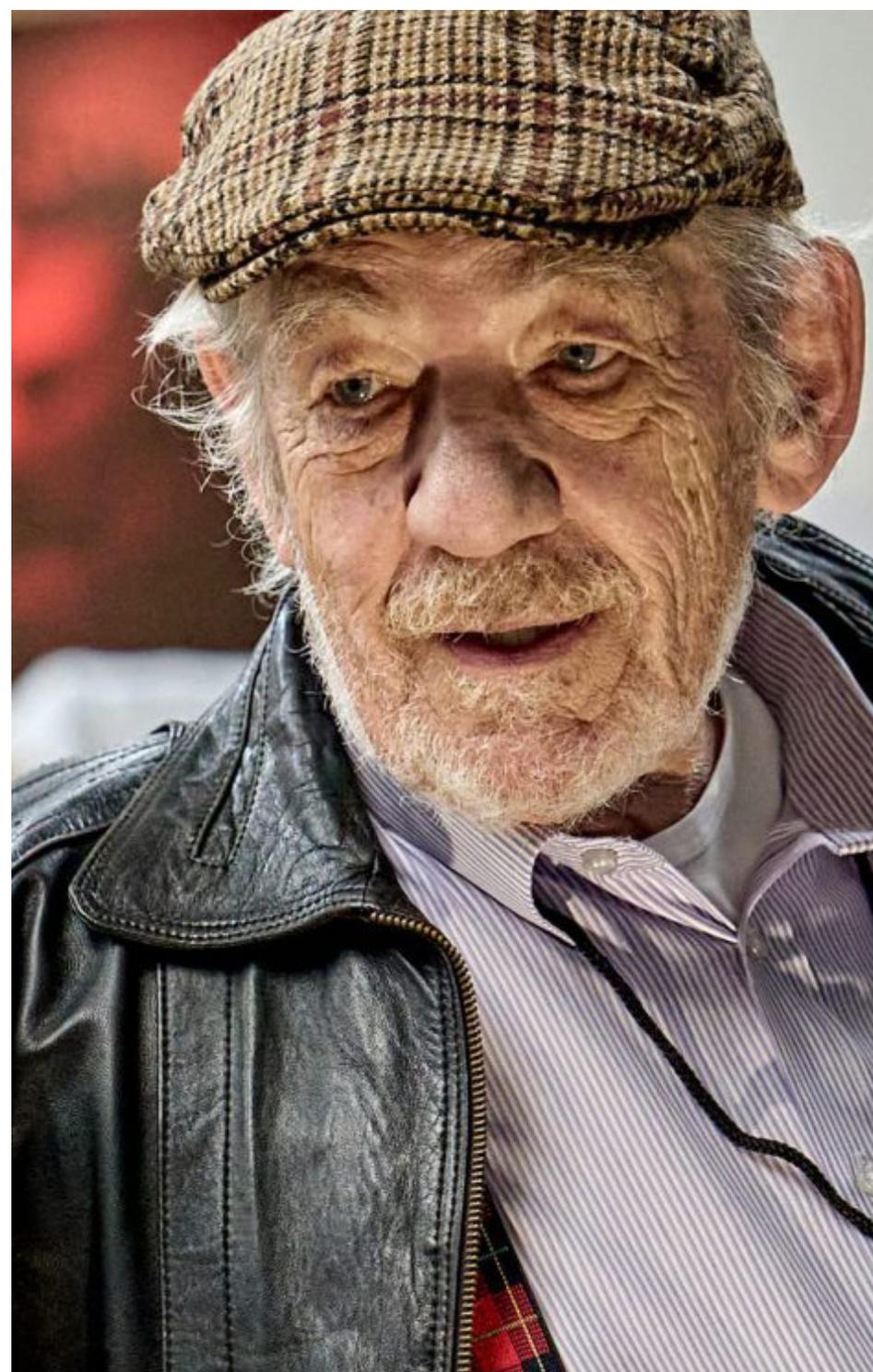
The play lasts four hours, including an intermission and a shorter 'pause' between the second and third act. For anyone who frequents the theatre, that is nearly double what most plays and musicals are offering in terms of runtime. Understandably, this can make a supposed enjoyable evening at the theatre feel like a marathon. As is often the case with Shakespeare, there are times it can feel that way. Just keep in mind that you are getting two plays for the price of one.

And then there's the issue of visibility. Throughout the performance, an opaque screen moves vertically like a curtain. It doubles as a variable aperture, revealing or concealing stage space depending on what the scene requires. Limiting the audiences' field of view helped to focus our attention to action in the foreground, or even shape emotive forces. For instance, the screen can

be lowered to create a narrower opening to heighten the tension for dramatic scenes. Conversely, it can be raised for comedic effect. For example, a scene featuring Falstaff feigning his death has the screen slowly lower like a curtain closing, before abruptly retracting as he springs to life.

However, the unintended consequence is restricted visibility the higher you are seated. I was seated in the front row of the Upper Circle (Third level) and even then, there were numerous times I found myself staring at the actors' legs mid-scene, through the sliver of stage left by the lowered screen. I hate to imagine what those seated at the back were left with, if at all. The worst of times was when the screen moved up partially to reveal something shocking that only those seated in the Stalls and Grand Circle (Second level) could see. Granted, my seat did come with a restricted view warning upon purchase, but there is no indication the extent to which your view will be obstructed. Your mileage will also vary depending on the theatre you watch this in, seeing as it will be touring at two other venues. It is not enough to ruin the experience but something to keep in mind when purchasing tickets at a more affordable price.

Player Kings is running its previews from 1-9 March at the New Wimbledon Theatre before moving to the Opera House in Manchester from 14-23 March. It will finally land closer to home at the Noël Coward Theatre in the West End for its final run from 1 April to 22 June.



Sir Ian McKellen in rehearsals Manuel Harlan

PHOTOGRAPHY

Purple

A monochromatic theme that is neither mundane nor simple.

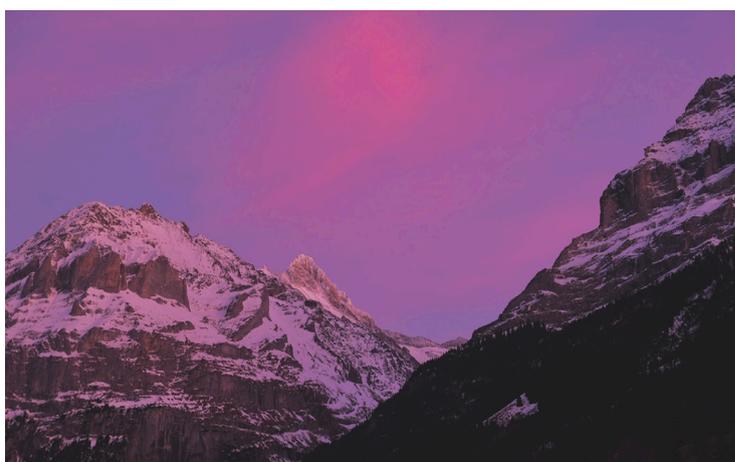
Photography Writer
ZANNA BUCKLAND

'Purple' might at first seem a mundane theme when coming after abstract concepts such as 'limerence' and 'sonder', but one realises in looking for photos to submit to this theme that the colour purple is truly an elusive one. It is most often seen in flowers and sunsets, and in artificial lights used for concerts or exhibitions. We also see purple in fashion and in other human designs, though still rarely. More often than not, an image that appears purple is actually a combination of blues, reds, and pinks: a trick of the light. It makes sense then

that purple can stand for so much: such a wide range of emotions and concepts.

It holds a certain power in its elusiveness, often used to represent royalty or wealth, wisdom, and creativity, but also jealousy or 'evil'. In film, it can be used to evoke a sense of unease or call to mind the supernatural. In space and the stars, purple appears to occur naturally from afar, and yet this is something intangible to us, beyond our reach. In nature, purple often signifies something toxic and dangerous.

The evasiveness of purple isn't just to do with its real rarity, but is also an actual phenomenon in digital photography, even extending to its use (or lack thereof) in film. Digital sensors often have trouble



Take my heart Pawida



Streaks Jack Xie



Mauvy Agility Dhanvanth Srinivasan

picking up the colour purple, owing to its blue and red components being on opposite ends of the digital colour spectrum. This makes it exceedingly hard to capture what the eyes see in reality, and so photographers who are able to do this – like the ones displayed here – have a gift.

It's also possible to do this in post-production, while editing your picture. Use the 'Hue' slider (usually under HSL or a similar abbreviation) to shift your colours away from whatever background you have and towards purple. For example, if your background contains a lot of green, use the 'blue hue' slider, or if your image contains lots of red, use the 'purple hue' slider. Remember not to overdo it! You don't want your colours to look unnatural, and you don't want to introduce too much chromatic aberration to the picture (colour distortion, also called fringing, that usually appears in a purplish hue at the edges of subjects in your image).

This comes back to one of our greatest strengths; recreating or amplifying what occurs in nature – we make dyes and paints from the purples we observe in flower petals and minerals, and we fig-

ured out that the mixture of red and blue creates this coveted colour. It is no surprise, then, that purple is sometimes taken as the ultimate symbol of modernity. This might bring to mind the vibrant colour palette of synthetic dyes and neon lights, designed to draw the eye and exude luxury and mystique.

We might also disagree on what actually appears purple – the strong characters of its neighbouring colours can easily dominate an image, leading in individual perception to play a larger role in interpretation. The winning photo for this week's theme, *Mauvy Agility*, is vividly, almost undoubtedly purple, and yet we could easily question whether parts of this are still just a trick of the light – the reflection of purple on silver or blue sequins.

It is hard to show the powerful nature of a single colour without overpowering the image, but this week's submissions did so fantastically: Dhanvanth has captured a dynamic movement that complements the colour's own personality, while Jack and Pawida have framed their respective environments in a purple haze.

CATNIP

Imperial College rebranding colour inspired by ‘blue screen of death’

Arts Correspondent

WILLIAM MCGONAGALL

Students and staff members alike have reacted with concern to the news that the new Imperial College blue branding was inspired by the infamous Microsoft ‘blue screen of death’, a screen that signified that something had gone so wrong internally that total shut-down was the only answer.

NegaFelix has found that consultations with the design firm, Summoning Circle Kreatives (SuCK), hired by Imperial for rebranding work, began well but were hindered by technical problems. Eventually, panicked Imperial brand

managers simply pointed at their malfunctioning laptops and told SuCK that they wanted something “just as iconic”.

SuCK is a world-famous design studio known for hiring the brightest talent from London Arts and Design colleges, but it has faced allegations in the last few years that its internal working culture was hostile to companies coming to pitch there. Ex-employees are notoriously tight lipped but rumour have suggested that the office floor is covered in earth and rocks and the sprinklers are always turned on in order to simulate a drizzly walk up in the Lake District, all the better to match the company uniform of high-tech

walking shoes and Gore-tex waterproof overwear.

A College employee, who was present at the meeting, described how the atmosphere ‘[grew] increasingly tense’ as the Kreative design group watched the hapless Imperial pitch team fumble with their laptops. “They had so many eyebrow piercings they would clang every time they frowned,” he told NegaFelix, “which made it impossible to focus.”

A student petition demanding that the College revert to its old branding has gained 37 signatures, the highest participation in student politics at Imperial since the 2003 march in support of the Iraq War.

Senior College staff have, however,

rebuffed any suggestion that the money spent on the rebrand may not have been value for money. Senior Vice Provost for Boondoggles, Geila Luerra, told NegaFelix that the rebrand was necessary to cement Imperial’s international reputation. She told our reporter that “If Imperial is going to be known as an international centre of technical excellence, we have to demonstrate that all of our money is being spent on research and not wasted on marketing or administrative nonsense. Hiring SuCK (for an estimated fee of £3.4 million) ensured that our branding would look as amateurish as possible and convey that image to the world.”



ARIES

This week you set your Hinge radius to 20 meters and make eye contact as you press X



TAURUS

This week the older boyfriend you met in fresher’s week reacts badly to Facebook being down



GEMINI

This week the Easter holidays offer you a chance to scroll through TikTok in a different bed



CANCER

This week your rent is paid late resulting in a stern email from Maria Patzchnetzskychis the estate agent



LEO

This week you get so lazy you start skipping club nights as well as lectures by telling yourself you will catch up later



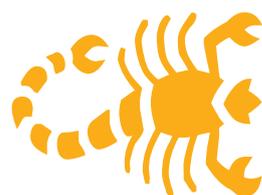
VIRGO

This week it’s nothing that a mortis and tenon won’t fix



LIBRA

This week the lack of fibre in your diet is giving you constipation and a BBL



SCORPIO

This week you start practicing your Northern accent again for when you go back home



SAGITTARIUS

This week the warming weather means that it is no longer too expensive to turn on the heating



CAPRICORN

This week the worst person you have ever met asks you to follow their campaign page



AQUARIUS

This week you are the irritating member of the friendship group everybody wishes would stop showing



PISCES

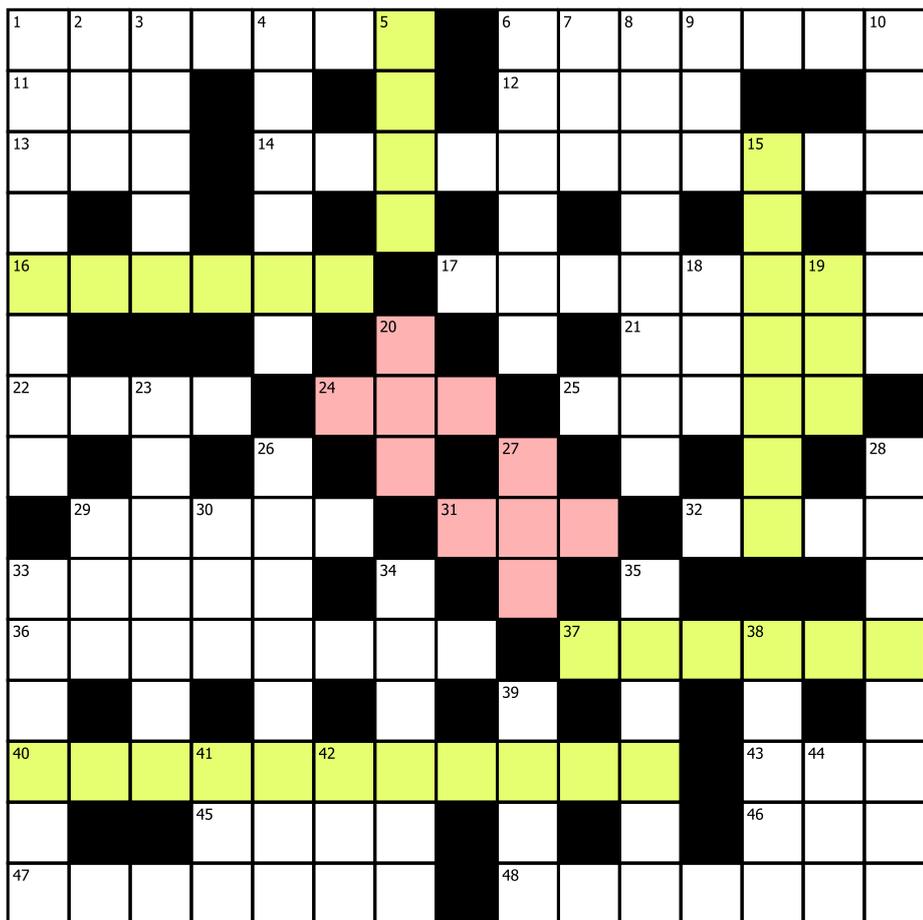
This week it has become mathematically impossible for you to get a first

PUZZLES

Puzzles Editor
STANLEY SCOTT

CROSSWORD (3 pts.)

20+24 27+31. Six of this in the puzzle. [6 6]



Across

- 1. Drivers make it up. [7]
- 6. Royal house of Peter the Great of Russia. [7]
- 11. Frightened sound. [3]
- 12. Girl's name taken from the Irish for Ireland. [4]
- 13. Pasture. [3]
- 14. Taking the view that a religion must spread. [11]
- 16. Kind of flatfish. [6]
- 17. Trouble, proverbially. [3 5]
- 21. Opera ____ et Euridice. [5]
- 22. Warty amphibian. [4]
- 24. __ Bombadil, mystical character from The Lord of the Rings. [3]
- 25. Weak. [5]
- 29. It precedes crew or fever. [5]
- 31. German masculine definite article. [3]
- 32. Indian clarified butter. [4]
- 33. Have a look at a company's books. [5]
- 36. Sparsely, as spelled by the Americans. [8]

- 37. Small crustacean. [6]
- 40. Ocean echinoderm. [3 8]
- 43. Under the weather. [3]
- 45. ____ Redding, American singer-songwriter. [4]
- 46. Old Chinese dynasty. [3]
- 47. The archetypal miser. [7]
- 48. Thickening agent. [7]

- 18. Genus of macaws. [3]
- 19. Often jellied fish. [3]
- 20. Computer-managed social media account. [3]
- 23. Ancient Achaemenid palace. [7]
- 26. Musical marker to slow down. [8]
- 27. Price. [3]

Down

- 1. One who communicates with the mind. [8]
- 2. Irish lake. [3]
- 3. British activist poet. [5]
- 4. Kissing or fancy may be this. [6]
- 5. Mud or fiddler, e.g. [4]
- 6. Area. [6]
- 7. It bears metal. [3]
- 8. Wooden ornamental constructions. [8]
- 9. Tatooine child from Star Wars. [3]
- 10. Hooked fabric. [6]
- 15. Whiskered swimmer, or online deceiver. [7]
- 28. Airship named for a German count. [8]
- 29. Pool implement. [3]
- 30. Tom Hanks film in which a boy becomes an adult overnight. [3]
- 33. Humours. [6]
- 34. Section of a legal document. [6]
- 35. One of Pluto's moons. [6]
- 38. From the Emerald Isle. [5]
- 39. Mountain goat. [4]
- 41. Bird noise. [3]
- 42. Tobacco product, abbr. [3]
- 44. Programming language taking its name from the Portuguese for moon. [3]

Cryptic across

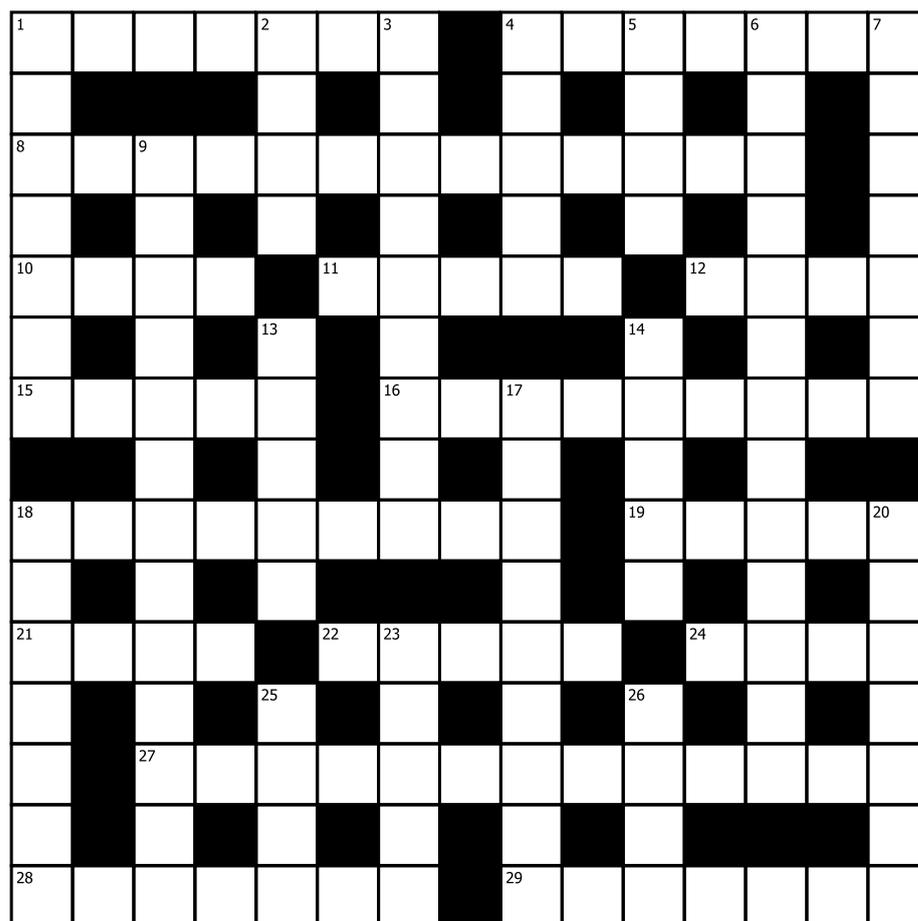
- 1. Get wet spot, frenetically having a dance. [3-4]
- 4. Your supporter has success getting head from dude. [7]
- 8. Rapid sciences confuse with inconsistencies. [13]
- 10. Monster might cause gore? [4]
- 11. Crazy idea you got after your exit. [5]
- 12. Wilder DNA? [4]
- 15. He reflects me, the model. [5]
- 16. Old state of half-burned relic. [9]
- 18. Get bananas if a melon's on the island. [4 2 3]
- 19. Models lacking a number of styles [5]
- 21. Gazebo dyed, including frame. [4]
- 22. Terrible nausea when leaving European bathhouse. [5]
- 24. Author had a thousand of this! [4]
- 27. Opossum clings violently to parts of rag. [6 7]
- 28. Foil wrapped around his ground supplement. [4 3]
- 29. President on penny, and nearly the first two-pound coin, strangely. [7]

Cryptic down

- 1. Swimmer has a little rod. [7]
- 2. One who might have many red flags? [4]
- 3. On the flute, played many a fantasy. [5 4]
- 4. It's cringe when incorporated in US. [5]
- 5. Score a covered catch. [4]
- 6. Where young Mr. Chambers sleeps? [6 7]
- 7. Near the twisted tree is buried a happy follower. [3 4]
- 9. Breakfast of Surgeon General, e.g.? [9 4]
- 13. So, back to the old gym? [5]
- 14. A little fruit gook. [5]
- 17. Can oilcan mix be officially recognised? [9]
- 18. To summarise: length of cheese comes above volume. [2 5]
- 20. Card has appended remark on the cartoon family. [7]
- 23. The electric rail confused her. [5]
- 25. Even bogs flood in this city. [4]
- 26. Place an outline. [4]

CRYPTIC CROSSWORD

(5 pts.)



SUDOKU

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

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

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

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

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

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

Medium (1 pt. each)

Hard (2 pts. each)

Extra hard (3 pts. each)

GROUPING GRIDS

top	strange	excellent	exquisite
τέλος	right	fine	fin
sperm	choice	blue	up
minke	down	first-rate	Ende

How-to:

For fans of *Only Connect*! The sixteen clues in each of these puzzles can be placed into four groups of four, each with a connecting feature. To solve the puzzle, write these groups and their connections below! An example can be seen in last week's solutions.

opal	soap bubble	bank	butterfly wing
BC	CD	CE	nacre
yam	AD	wolf	raptor
low	bowl	pin	BCE

Medium (3 pts.)

Hard (4 pts.)

1.					Connections
2.					
3.					
4.					

1.					Connections
2.					
3.					
4.					

CRYPTOGRAM

Clue: Blasphemy stagers (anagram, 3 words)

Submitted by Ivin Jose

How-to:

A cryptogram is solved by cracking the cypher in which an encoded phrase is written. The first few letter correspondences are given to you, and your job is to use your linguistic and logical skills, as well as your quotes knowledge, to work out the secret message. Bonus point for giving where the quote comes from!

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

Y O Y I I I G P X B G M R G H X P X H

O E S L X P X H E S F F X D T L Y I I Y

U Y X S D U S R L X H Y U Y X S D U

O E X D Y R Y D U Q B O S B G M L G R

L E X I S D U G R L E X U X S U Y I I

U H Y R L S Z G M L R G H X P X H S I I

Q B S L G Q T L Y I I Y R Y D U

B G M S N S Y D

(3 pts.)

Quote from: _____ (2 pt.)

LEADERBOARD

Pos.	Puzzlers	Points (Last week)	
1.	Aspenlads	70	32
2.	Louise Parchson	54	29
3.	S&J	42	25
4.	Jasmine Nugroho	36	21
5.	(B)ayesian Babes	31	31
6.	Hursh Popat	16	-
6.	Xuangyong Tay	16	-
7.	Christopher Kaye	1	-

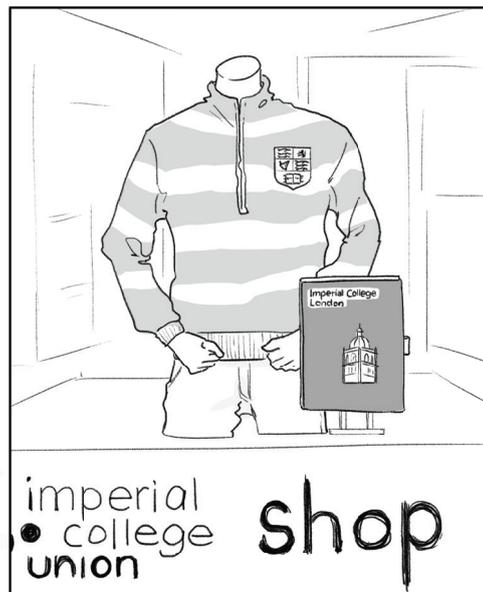
Send a picture of your solved puzzles to puzzles.felix@ic.ac.uk by **Thursday** to get yourself or your team on the leaderboard!

Send them in by **Tuesday** if you want to see your points for this week in next week's issue.

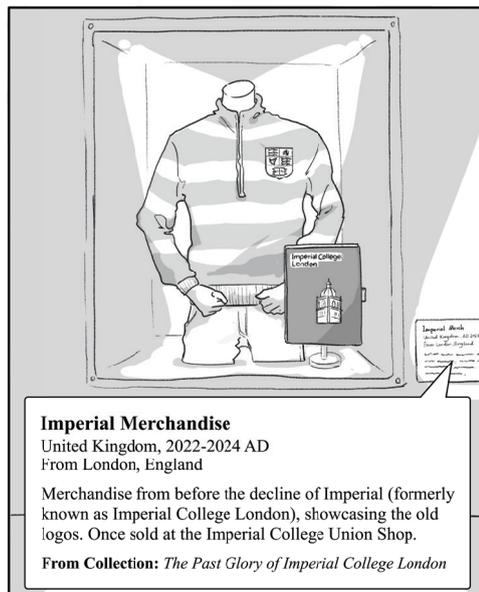
COMIC

Artefact

BEFORE



AFTER



© Sitong Guo @namou.art

Puzzle Editor's Note

Dearest puzzlers,

This week I'll begin with a couple of corrections for the last issue's puzzles. First of all, I must right a truly heinous wrong in the cryptic crossword, in which I referred to Justin Trudeau as the Canadian *President*, rather than *Prime Minister*. I hope our Canadian readers will forgive this ghastly error. Secondly, there was a mistake in the cryptogram where the letter P was cyphered both as an L and a J. Well done to the many people who solved the puzzle despite this, and many thanks to Louise Parchson for pointing the mistake out to us.

This week has seen Aspenlads race ahead into first place with a magnificent 70 points! A huge congratulations to them, and to our many newcomers to the leaderboard. The scores will reset next term, so don't think there's not a chance to catch up!

Finally, I'd like to thank my personal friend Josh Newson for kindly contributing some clues to the cryptic crossword. They're certain to scratch the wordplay itch of our solvers this week.

That leaves me with nothing more to say, other than have a fantastic week of crossing, connecting, completing, code-cracking, comic-consuming and competing!

- Stanley

Three groups

Junior Mathematics Olympiad 2016 B6

Q: For which values of the positive integer n is it possible to divide the first $3n$ positive integers into three groups, each with the same sum?

A: All $n > 1$

Increases of 75%

Junior Mathematics Olympiad 1999 B5

Q: Find all the two-digit and three-digit numbers that are increased by 75% when their digits are reversed.

A: 12, 24, 36, 48, 132, 264, 396

Maths puzzles

Last week's solutions



New Names

Cryptic

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

W E L I V E A N D B R E A T H E W O R D S .
F A S E I A D H Z G X A D O B A F P X Z C

I T W A S B O O K S T H A T M A D E
E O F D C G P P Y C O B D O K D Z A

M E F E E L T H A T P E R H A P S I
K A N A A S O B D O J A X B D J C E

W A S N O T C O M P L E T E L Y A L O N E .
F D C H P O U P K L S A O A S M D S P H A

T H E Y C O U L D B E H O N E S T W I T H
O B A M U P W S Z G A B P H A C O F E O B

M E A N D I W I T H T H E M .
K A D H Z E F E O B O B A K

Quote from: *Clockwork Prince*

Cryptogram (Mechanised time, that's next in line)

quail	startle	jump	spook	show fear
ostrich	eagle	canary	wren	birds
stone	pound	ounce	tonne	imperial weights
lira	hryvnia	euro	rand	currency

Medium grouping grid

dart	poster	message	white	types of board
black	bread	rice	Christmas	types of pudding
blue	sad	down	depressed	words for sad
console	project	refuse	desert	meaning changes with syllable stress

Hard grouping grid

SPORT

Muay Thai: ICL vs KCL

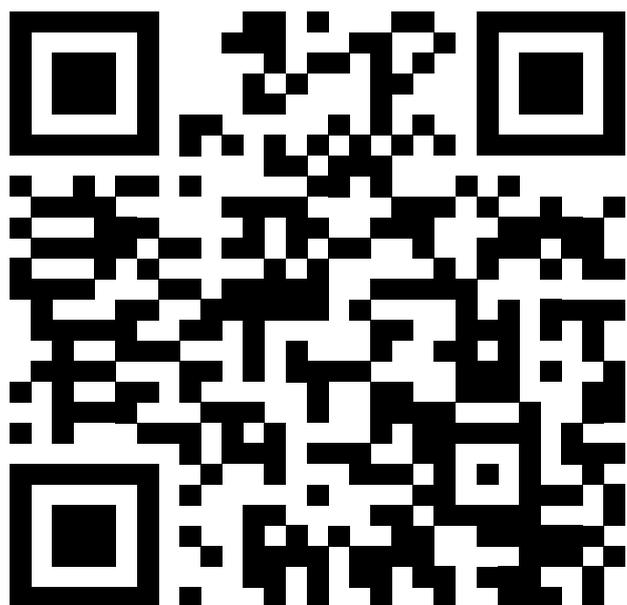
All bouts at the event were inconclusive, but the pictures tell a more interesting story.

Sport Editor
CHARLOTTE PROBSTEL

The Gmail notifications announcing the arrival of a new submission to the *Felix Sport* form that I emailed out two weeks ago always make me smile. Glimpsing the sporting events that occur every week reminds me how multi-talented the Imperial community is.

This week, the Muay Thai fight team submitted a gallery of images from the KCL King of the Rings 10 event. "Emmanuel finished his opponent in the third round, Batu scored a knockdown in the third round, and Hasti, Amos, and Kami all had closely-matched, entertaining fights", the team reported.

If you wish to submit your scores or you did not receive the email, please email felix@ic.ac.uk. or scan the QR code below.



Amos (left) lands a hard knee. Alan Chan
Instagram: @_alan.chan



Kami (left) walks down his opponent. KCL



Kami (right) and his opponent. KCL



Amos (right) walks down his opponent. KCL



Emmanuel (left) taunts his opponent. Alan Chan



Emmanuel (left) lands a flush teep. Alan Chan



Hasti (left) and his opponent both recoil. KCL



Imperial College Muay Thai Fight Team. Emmanuel Lennis-de la Fuente