



UNIVERSITY OF
LIVERPOOL

ALUMNI



GALAXY QUEST

Aspiring astronaut Dr Jaclyn Bell tackles the ultimate job interview

INSIDE YOUR 2018 EDITION:

› Capital of Culture 10 years on › HIV's smaller solution › Colm Tóibín becomes Chancellor

ALUMNI



This year, we are celebrating 10 years since Liverpool was crowned European Capital of Culture. Turn to page 12, where Professor Michael Parkinson talks about the impact of that award and what's next for the city. If it inspires you to come back to visit, we would love to welcome you to campus. We also have a number of hotel discounts for you to take advantage of, so why not make a weekend of it?

We were overwhelmed this year by the response to our 'Class Notes' and it's been great to read our graduate stories from around the world. We have included a selection on page 28, but you can read more online at: www.liverpool.ac.uk/alumni/magazine/class-notes.

As always, if you have any questions or comments, please do get in touch at: alumni@liverpool.ac.uk.

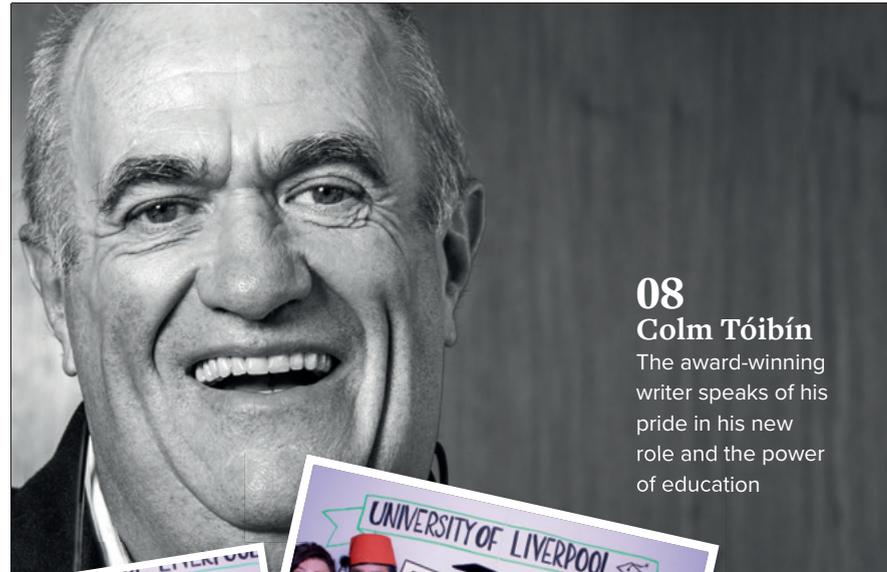
Best wishes

Anita Irving
Head of Alumni & Supporter Relations

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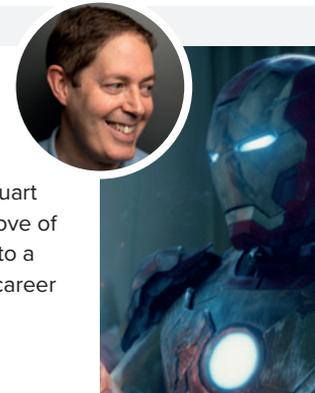
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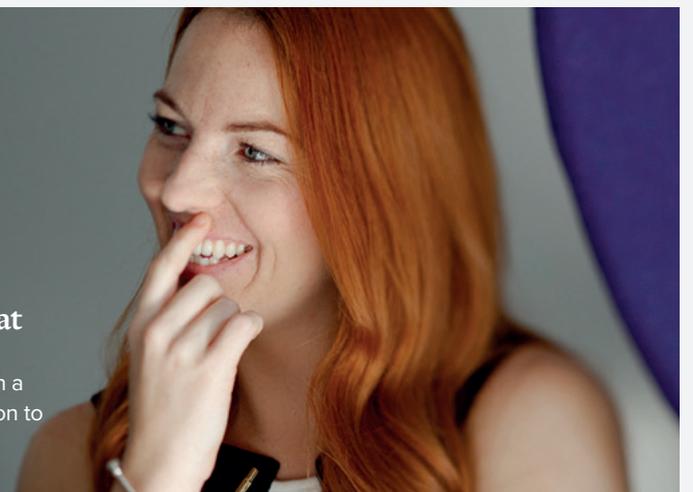
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COVER PHOTO AND ABOVE BY PETER DIBDIN | DESIGN BY WHITE LIGHT MEDIA

A message from our Vice-Chancellor



2017 HAS BEEN A YEAR OF PROGRESS ACROSS MANY RESEARCH FIELDS, PARTICULARLY IN RELATION TO OUR AREAS OF REAL STRENGTH: PROMOTING HEALTH, WEALTH AND SOCIAL JUSTICE.

In March, the University's Centre for the Study of International Slavery launched a report assessing an innovative solution to the problem of long-term care for survivors of modern slavery in the UK. In May,

researchers at the University, working in partnership with Liverpool School of Tropical Medicine and other colleagues, announced the development of a molecule which has the potential to become the first fully synthetic, one-dose treatment for malaria. And in November, we officially opened Sensor City – a joint venture with Liverpool John Moores University which is expected to create 1,000 jobs in the region, nurturing 300 start-up tech businesses over the next decade.

One of the key pieces of work we would like to undertake in the coming year is to improve treatment of HIV in children around the world. Using Solid Drug Nanoparticle technology, our researchers are developing a child-friendly treatment for HIV, which can be

dissolved in water not alcohol. We want to get this new medicine into use as soon as possible and will be fundraising over the coming year to enable a manufacturing run and clinical trial with a focus on paediatric nanomedicine. You can read more about this on page 16.

2018 is an exciting year for the city as we celebrate the tenth anniversary since Liverpool's term as European Capital of Culture. With various events happening throughout the year, there has never been a better time to come back to visit.

I do hope we have the opportunity to welcome you back to the University and the city in 2018.

Professor Dame Janet Beer
Vice-Chancellor

Congratulations, Dame Janet!

Staff, students and alumni at the University of Liverpool were delighted to see Vice-Chancellor, Professor Janet Beer recognised with a Damehood for her services to higher education and equality and diversity in the New Year's Honours list.

Dame Janet has dedicated the majority of her working life to higher education. An outstanding researcher in the field of late 19th and early 20th century American literature and culture, she has held a number of senior leadership roles and took up the post as Vice-Chancellor of the University of Liverpool in February 2015. She is also currently President of Universities UK, the representative body for universities nationally.

Dame Janet is known for her drive to improve equality and diversity in the higher education sector

and beyond. As Chair of the Equality Challenge Unit, she significantly raised the profile of the equality and diversity challenges in the sector and championed the adoption of Athena SWAN and other charters in support of university staff across the country.

In response to the announcement, Dame Janet said: "I am both honoured and humbled by this award and grateful for the support of colleagues across the sector over the years. Having had my own life transformed by higher education, I feel very privileged to have had the opportunity to contribute, in the University of Liverpool founders' words, to the 'advancement of learning and ennoblement of life' throughout my career."

Institute of Irish Studies appoints new Patrons



The Prince of Wales and the President of Ireland, His Excellency Michael D. Higgins (Hon LLD 2015), are to become joint Patrons of the University's internationally-recognised Institute of Irish Studies.



IntoUniversity North Liverpool

Liverpool FC Manager, Jürgen Klopp (pictured above, left), was the guest of honour at a special gala dinner at Knowsley Hall in aid of our IntoUniversity North Liverpool project. The event, which was held in partnership with the LFC Foundation, raised more than £52,000 for the project which will help to improve the lives and aspirations of children and young people living in the Anfield area of Liverpool.

Find out more about the project and how you can get involved here: www.liverpool.ac.uk/giving/priorities/intouniversity.

Centenary of Geography and Geology celebrated

Alumni returned to campus to take part in a programme of events to celebrate the centenary of Geography and Geology, as well as 50 years of Geophysics at Liverpool.



How goldfish make alcohol to survive without oxygen

Scientists at the Universities of Liverpool and Oslo have uncovered the secret behind a goldfish's remarkable ability to produce alcohol as a way of surviving harsh winters beneath frozen lakes. The fish convert anaerobically-produced lactic acid into ethanol, which then diffuses across their gills into the surrounding water and avoids a dangerous build-up of lactic acid in the body.

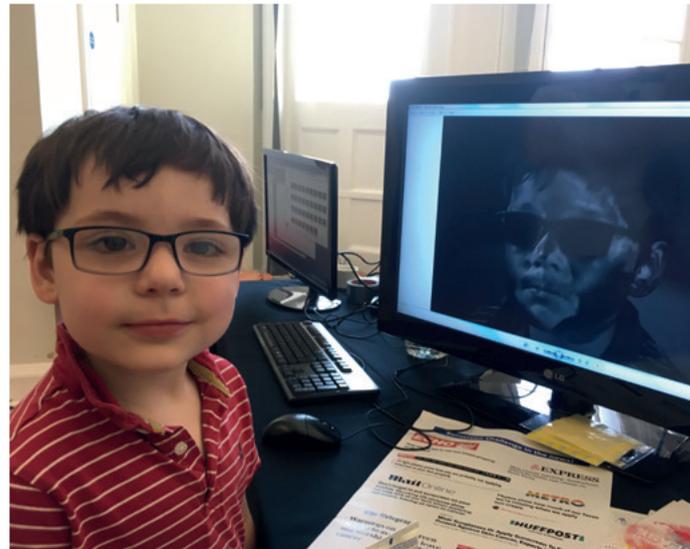


Work begins on Paddington Village development

As part of the Knowledge Quarter Liverpool construction plan, Paddington Village will house the Royal College of Physicians' new Northern Centre of Excellence as well as an education and learning facility with 260 residential bed spaces for Liverpool International College's new home. For more details see: www.kqliverpool.co.uk/spaces/paddington-village.

Honoured by the Queen

The University's Department of Molecular and Clinical Pharmacology has been honoured with a Queen's Anniversary Prize – one of the most prestigious awards in higher education – in recognition of its work to improve the safety and effectiveness of medicines.



Ancestors uncovered

Family historians, teachers, crime writers and academics can follow the lives of people convicted and transported to Australia or imprisoned in Britain using a vast new free online resource, the Digital Panopticon. See: www.digitalpanopticon.org.



Sunscreen challenge

Scientists from our Institute of Ageing and Chronic Disease revealed that people miss on average 10% of their face when applying sunscreen. The researchers hit the road with their sunscreen challenge, using a UV sensitive camera to let the public test how effective their suntan lotion application skills were.



New podcast series launched

The University has launched a new podcast series featuring in-depth conversations with our academic experts explaining cutting-edge research and analysis from the University of Liverpool. Visit: www.liverpool.ac.uk/news/podcasts.

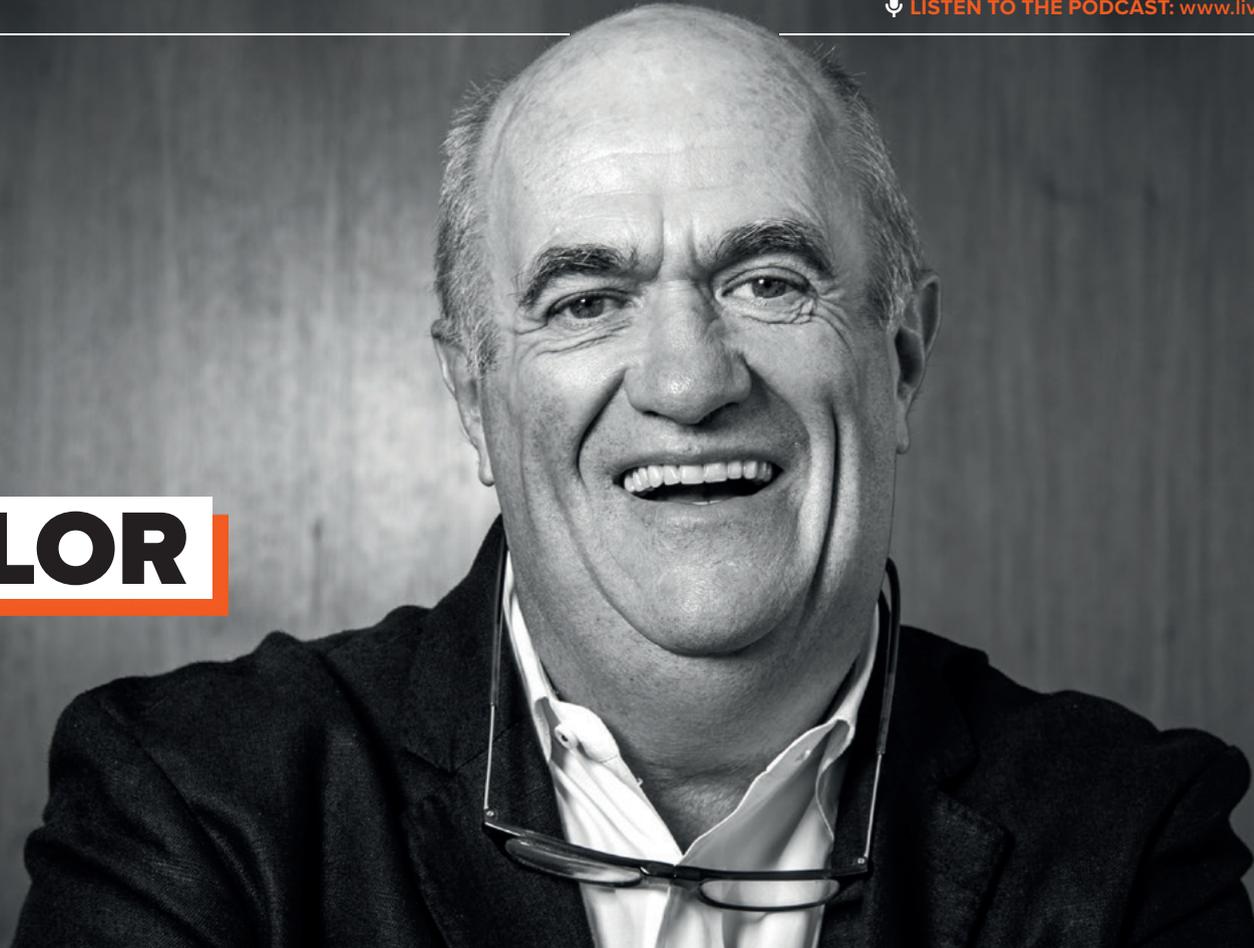
Liverpool International College celebrates 10 years

Over the last 10 years, more than 6,500 students from 100 different nationalities have studied at the College, which offers pathway courses in partnership with the University.



COLM TÓIBÍN BECOMES UNIVERSITY'S 10TH CHANCELLOR

THE AWARD-WINNING WRITER SPEAKS OF HIS PRIDE IN HIS NEW ROLE AND THE POWER OF EDUCATION



Award-winning Irish author, journalist and playwright Colm Tóibín has begun his role as the University of Liverpool's 10th Chancellor.

Colm is the author of nine novels including *Brooklyn*, which won the Costa Novel of the Year in 2009 and was adapted into an Oscar-nominated film in 2015. Several of his works have been shortlisted for the prestigious Booker Prize and his 2013 Broadway play *The Testament of Mary* was nominated for a Tony Award for Best Play.

A graduate of University College Dublin, Colm was elected Fellow of the Royal Society of Literature in 2007. Currently a professor at Columbia University in New York, he has taught at many universities, and was a headline speaker at the University of Liverpool's inaugural Liverpool Literary Festival in 2016.

Over the course of a career spanning a quarter of a century, Colm has been a strong advocate for free expression and LGBT rights. Ahead of the Marriage Equality referendum in Ireland in 2015, he delivered a talk entitled *The embrace of love: being gay in Ireland now*, in which he said: "We are not talking about sexuality. We are talking about our love, the embrace of love, how our love equals that of our fellow citizens."

As Chancellor of the University of Liverpool, Colm will be the ceremonial figurehead and play an important ambassadorial role, locally, nationally and internationally. He said: "I feel honoured to have been appointed Chancellor of the University of Liverpool. The University has a great deal to be proud of and is a part of an education system that has inspired people all over the world, not least in my own country, Ireland."

"I believe that those of us who have experienced the privilege of education should do our best to make sure that others have the same chance"

"As a writer and as a citizen, I have greatly benefited from my own time in higher education, and believe that those of us who have experienced the privilege of education should do our best to make sure that others have the same chance. I will do what I can as Chancellor to enhance the experience of students and connect the University's inspiring work with the city, with society, and with the world outside."

During an episode of the University of Liverpool's podcast series, Colm discussed how he perceives the role of universities in society against a turbulent backdrop in modern history, and how universities can

help provide the insight and capacity needed for citizens to best understand the world in which they live.

"We need to understand the current trends going on," he says. "We have

to go beyond the headlines of the day and learn to read under them. In every area, from literary criticism, to science, to engineering. We need to be able to analyse what's happening."

He adds: "Part of what a university means, is that people leaving university will be better at interpreting things like that."

Restoring society's pride in intelligence

By encouraging pride in intelligence, universities inspire both students and faculty alike. It is a feeling that Colm believes universities should treasure. →

Reflecting on his studies at University College Dublin, he recalls “finding moments of pure clarity in a classroom, as somebody with a brilliant mind actually began to disentangle something that you couldn’t have imagined before.

“The question of being as intelligent as possible remains at the very centre of the enterprise,” he says. “That’s really what inspires me and I think it inspires most of the people that I know who work as university teachers.”

Opening doors around the world

Online education will allow universities to reach increasingly remote communities around the world, says Colm. This, in turn, will spread knowledge further than ever before.

“In so many countries, people are getting faster internet systems. Some might think that’s nothing much – it just helps them to get Netflix faster – but, actually, it will end up having an enormous power, because it will become a way for knowledge to spread and be disseminated, and for study to be made possible. We’re talking about something immensely important,” he says.

Creating citizens capable of critical thought

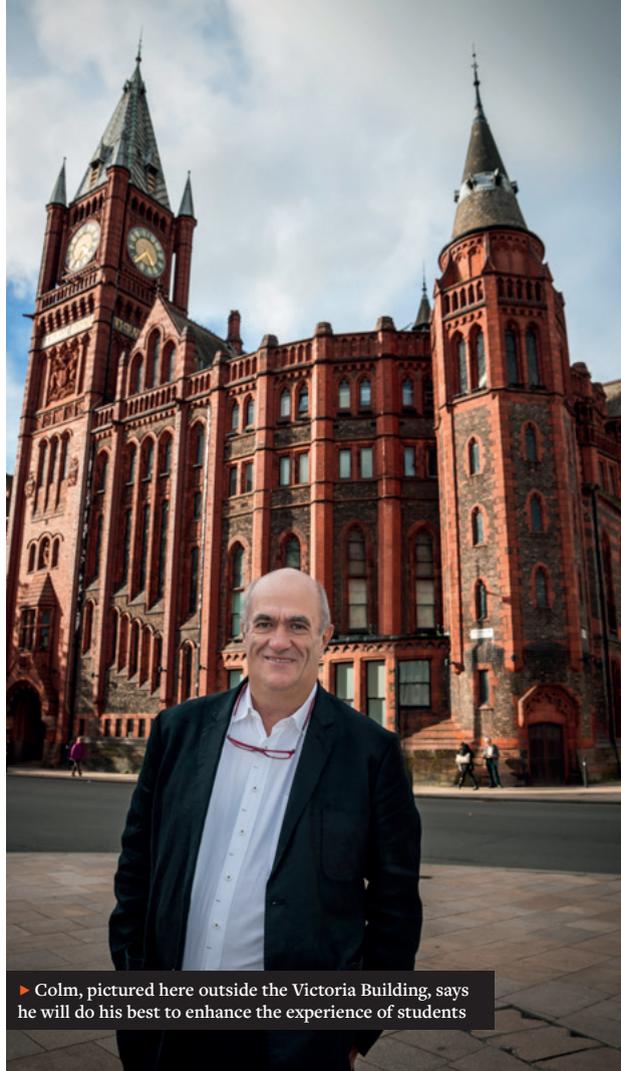
With the explosion of ‘fake news’ and manipulated, unchecked online publishing, Colm suggests that universities may have to “become more vocal.”

He says universities have a real role in developing the next generation of people, who can think independently and challenge beliefs. He says part of their role is to create educated citizens who have the tools to think critically about the information they are faced with, rather than standing out as champions and arbiters of what is true and what is not.

“If we work with the idea that our job, before we do anything else, is to work with the students and offer students a way of thinking... and approaching any material that comes their way for the rest of their lives, that will then matter enormously,” Colm states.

Committing to transparency

According to Colm, education has the unique ability to enable people to “become the best part of themselves” – but this can only be achieved by securing the support of the wider society.



▶ Colm, pictured here outside the Victoria Building, says he will do his best to enhance the experience of students

Underpinning this is a fundamental belief that education can be a form of liberation that nourishes and enriches society, regardless of race, gender or sexuality. To achieve it, though, universities must be prepared to put themselves at the centre of public discourse, and to be held accountable for their performance.

Colm said: “We have to go on making this argument, not merely as an ideal or dream, but as something that is actually happening now. That is being done and worked out all the time in the classrooms of now.” ●

Colm’s podcast episode, entitled *Colm Tóibín on universities in the era of Brexit and Trump*, is available to download now. Find out more, and subscribe to the whole podcast series, by visiting: www.liverpool.ac.uk/news/podcasts.

A NEW FUTURE

It was in this same spirit that the Friends of the University was established, a little over a century later. With a mission to support staff and students and improve University facilities, the Friends

have funded numerous projects over the years including: sponsorship of the student-led ARION project to build the world’s fastest human-powered bike, specialist display cases for the Victoria Gallery & Museum and new radio broadcasting equipment for the Guild of Students. The Friends of the University brought together staff, graduates and other members of the community who wanted to support and develop the University.

In 2007 the University’s Development and Alumni Relations team launched the Benefactors’ Fund, a regular giving programme with a mission similar to that of the Friends. The Fund enabled alumni to make regular donations to the University to support undergraduate and postgraduate scholarships, improve learning facilities and provide high-tech teaching equipment to give our students the best possible experience at Liverpool. Projects supported by the Benefactors’ Fund included: a laptop loan service in the libraries, a ‘pop-up’ planetarium for teaching and community outreach events and an eco-friendly 3D printer which creates architectural models out of recycled paper.

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WHEN THE UNIVERSITY WAS FOUNDED IN 1881, IT WAS THANKS TO THE GENEROUS DONATIONS AND SUPPORT OF THE PEOPLE OF LIVERPOOL

To coincide with the 10th anniversary of the Benefactors’ Fund, and to support the fundraising strategy for the University, these two bodies have been brought together to form the Alumni & Friends Fund. The new

Fund will continue to support their shared mission to enhance the student experience and will build upon the legacy and contribution the Friends have already made to the life of the University.

The Alumni & Friends Fund will support our ambitious and growing University by supporting scholarships and student experience, as well as funding pioneering research. Donations to the Fund are an investment in our future as a University, bringing us closer to achieving the ambitious vision set out in Strategy 2026.

Christina Turner, Director of Development and Alumni Relations, said: “This is an exciting opportunity for us and we are looking forward to working even more closely with the supporters of the Friends. With more than 1,200 donors, this new Fund really gives meaning to the phrase ‘strength in numbers’ and it will help to provide an even more stable future for the University.” ●

If you would like to support the new Alumni & Friends Fund, you can do so by visiting: www.liverpool.ac.uk/giving/alumni-friends.



A CULTURE OF

CONFIDENCE

10 YEARS ON FROM LIVERPOOL'S YEAR AS EUROPEAN CAPITAL OF CULTURE, PROFESSOR MICHAEL PARKINSON CBE (BA HONS POLITICAL THEORY AND INSTITUTIONS 1965) SAYS THE UNIVERSITY IS POISED TO PLAY A VITAL ROLE IN THE BRIGHT FUTURE OF A CITY ON THE FRONT FOOT

SUPERLAMBANANA IMAGES: © RUARAI DH GILLIES, STIG THE GEEK, KAREN O'D

In 1985, Professor Michael Parkinson wrote *Liverpool on the Brink*, an account of the city's financial, political and economic crisis, at a time when it was on its knees. The intervening 32 years have not been without their challenges but, as he prepares a new report considering the state of Liverpool in 2017, Michael has

found more optimism across the city's political, cultural, economic and educational scene than at any previous point.

"I have lived here since 1962 and can't remember a time when people were quite as optimistic about the future. I also can't remember a time when people from outside the city were so optimistic. People in →

government no longer see Liverpool as a basket case or a no-hoper. They see it as very investable with huge potential," says Michael, who is the University's Associate Pro-Vice-Chancellor for Civic Engagement.

Five defining decades

2018 marks the 10th anniversary of Liverpool's year as European Capital of Culture, which was a particularly vibrant period in the city's cultural and economic life during its journey back from 'the brink'. This period in the late noughties is one of five eras identified by Michael in this journey, starting with the period of coalition and confrontation in the 1970s and 1980s, marked by confrontation with the government and political crisis. The 1990s saw an attempt to normalise by moving on from militant politics and attempting to engage the private sector. Michael says that from 1997 to 2007 Liverpool was an 'imperial European city' managing to capitalise on movements in the market which began to see cities as drivers of growth.

"In 2008, and for several years after, the city did tremendously well politically, economically and culturally and the key bit of that was the Capital of Culture," he says. "It was the first time Liverpool clearly demonstrated it could deliver a quality affair on a European stage. That persuaded the government, European Commission and most importantly Scousers that we weren't losers. We had a huge amount to build upon and the five years from the winning bid in 2003 to 2008 were very important.

"They focused minds politically and the city did a huge amount of physical reconstruction. We built hotels, the arena, convention centre and invested a huge amount in the city centre. The city put on a top-class year and it was a great success. It made money and everyone, including the government, liked it. But it also changed the psychology of Liverpool people and the decision makers."



“ We are networked globally but entrenched locally and we want our global success to translate to local success ”

The period since is described by Michael as one of continuing ambition in the age of austerity.

"The crunch was challenging because a lot of the things we had invested in, like leisure and retail, took a hit. On the other hand - Liverpool One came in just at the right time tying up the city centre and connecting it to the waterfront - and that has been hugely successful."

But challenges remain with some parts of the city, particularly North Liverpool, not benefiting as much as others in terms of jobs and opportunities. Another recent report written by Michael concluded that Albert Dock has fallen behind its neighbours and a more powerful organisation is needed to align and integrate the ambitions of all those operating on the waterfront.



► Top left: The giant puppets are rumoured to return in 2018. Top right: Liverpool's waterfront
Above: Michael Parkinson
Left: A Sgt. Pepper's-themed Superlambanana from the 2008 parade

A University in step with its city

The University of Liverpool sees itself as playing a central role in the future of the Liverpool City Region. "We have a simple view," says Michael. "Our economic fate is tied up with the economic fate of Liverpool City Region. If it does well, we do well. So, we are redefining our role so we can play a bigger part."

Last year, Michael helped prepare a report on the University's economic and social impact on the region which showed that the University, its students and their visitors added £652 million to the region's GDP in 2015-16 and that the University's acceleration in economic growth is at 31% since 2011-12, compared to a 4% increase across the region.

"We are networked globally but we are entrenched locally and we want our global success to translate to local success," says Michael. "We are in conversation with the Metro Mayor about how we can bring our talent and expertise to help with big challenges whether that is

sustainability, health, transport, education or digital. We are talking about ways we can second staff to help do the thinking work or use our 25,000 students to engage more in the region."

Liverpool City Region Metro Mayor, Steve Rotherham, has appointed the University's Vice-Chancellor, Professor Dame Janet Beer, as a special adviser as he seeks independent strategic advice from across the region. The University is also heavily involved with Liverpool's World Heritage status and Michael is a member of the Mayor's new Advisory Board. It is also deeply engaged in the development of Knowledge

Quarter Liverpool – with the Vice-Chancellor chairing the Board of the area, which encompasses the universities, the hospital, the science park and cultural organisations. Michael says: "We've started to treat Knowledge Quarter Liverpool as a coherent, integrated part of the city, which contains many of the drivers of the economy of the future. We have done regeneration, we have done retail, we have done leisure, we are doing tourism. They are all valuable and should be sustained. But to get a high-value-added economy to help Liverpool really motor in future and make a contribution to the national economy, we want to develop those knowledge-based skilled industries."

Liverpool back on the front page

The University will also will be supporting the 2018 Capital of Culture anniversary programme and Michael says everyone linked to the city should take the opportunity to get involved.

"It will be a year to be in Liverpool and will put Liverpool on the front page again. It will attract artists, writers and musicians and will be a hugely significant follow-up after 10 years. 2008 was a first-class affair and it played to Liverpool's strengths as a city of poets, a city of philosophers, a city of theatres and a city of wit, humour and innovation.

"The legacy has been carried on. They kept the people in place, they invested and the Mayor is keen on cultural spectacle and prestige projects because they keep you in the global eye. The Capital of Culture helped develop capacity and we are very good at big events now. Confidence follows from delivery. But of course, the city is about more than festivals. Success is about long-term economic place making and the University has a big part to play in that." ●

Turn to page 39 to see some of the amazing events taking place in Liverpool in 2018.



SEEKING SMALLER SOLUTIONS

THE UNIVERSITY OF LIVERPOOL IS ON THE CUSP OF CHANGING HIV THERAPY AROUND THE WORLD, AND IN DOING SO DIMINISHING THE EPIDEMIC – ALL WITH A VERY SMALL IDEA

Each week more than 19,000 people die from AIDS-related deaths worldwide, while another 34,000 people are newly infected with the virus. Despite continued efforts by the global community to reverse the epidemic, HIV continues to spread.

The crux of the epidemic is the fact that there is no known cure for the virus. To think of it solely in terminal terms, however, is to ignore the rest of the iceberg. Current HIV therapy is very effective, and while this means that patients who are diagnosed early can have life expectancies close to that of HIV-negative people, it also means that healthcare systems are under an ever-increasing burden for drug supply. What's more, in many cases demand for antiretroviral drugs is outstripping supply. This is a problem felt most keenly in the low- and middle-income countries that happen to bear the vast majority of the epidemic's burden in the first place.

There's another problem: without therapy, the HIV virus can mutate very quickly. Missed doses can give

it opportunities to mutate and become resistant. As such, successful therapy demands an absolute commitment to daily dosing. But life isn't always so simple; the logistical difficulties of ingesting a cocktail of antiretroviral drugs at a set time each day for an entire lifetime speak for themselves.

This problem is amplified when considering HIV amongst children. The only antiretroviral drugs approved for children by the World Health Organization are poorly soluble and so must be dosed in liquid form. The solution? Alcohol. At present, the most widely used paediatric antiretroviral therapy is a 42 per cent ABV ethanol propylene-glycol solution – in lay terms, vodka and antifreeze. Matters are worsened by the fact that this solution is unstable, particularly in high temperatures.

In short, the world is struggling to afford current antiretroviral therapy for HIV; daily dosing is worryingly precarious; very young children are being systematically dosed with alcohol; and vital drugs are perishing where they're most needed. As things stand, the prognosis is not good. But there's a potential solution.

Working on the nanoscale

Andrew Owen, a Professor in the Department of Molecular and Clinical Pharmacology at the

University of Liverpool, grew up at a time when AIDS was all over the media. It sowed the seeds of a distinguished career in infectious disease during which he would come into contact with Steve Rannard, a materials chemist working in industry and now a Professor in the University's Department of Chemistry. Meeting at an industry event, the two came to realise synergies between their respective expertise in infectious disease pharmacology and materials chemistry.

"There is a lot of research being undertaken by materials chemists without the input of specific clinical need or an understanding of what real-world clinicians will see as relevant dosing options," says Steve. "A lot of research is also going on by clinical scientists without materials chemistry insight and a view of what is ultimately manufacturable," says Steve. "Where the real value lies is in the overlap between both. We realised that if we put our heads together we might be able to address some of the issues surrounding current HIV therapy."

That was in 2008. In 2009 the pair received their first grant to develop their work on a small solution for a big problem: an antiretroviral therapy based on nanomedicine. "Picture 100 one kilogram bags of sugar," says Andrew. "That's approximately the amount of drug one patient would need over their lifetime. But it's not sugar, of course; it's a complex and sophisticated drug molecule. What we're trying to do is build medicines which provide the same amount of drug exposure (i.e. the same amount of drug within the blood) as existing medicines, but with

lower doses. Because the particles we're using are very small they can pass through the gut and into the blood more effectively, meaning that less drug is wasted by not being absorbed."

For context, there are a million nanometres in a millimetre. Steve and Andrew are working within the 200-600 nanometre range. The two medicines they currently have in clinical trials are providing approximately the same exposure as existing medicines with a 50% dose reduction – which in turn could translate to a cost reduction of almost 50%. "By dramatically decreasing the amount of drug needed in a tablet we can address a number of problems within the supply chain," says Steve. "If we can have an impact of approximately half and take that off the cost of dosing people then that means the same money would buy more tablets to dose more people."

The invention of a prevention

It's more than just a case of saving money, though. For the past four years Steve and Andrew have been relying on their collaborative knowledge and findings in nanomedicine and infectious disease to build long-acting therapeutic options for HIV treatment and prevention.

"They're called Long-Acting Injectable (LAI) medicines," says Andrew. "You put one dose [injection] of the drug into the gluteus and it sits as a depot in the muscle. The drugs are released very slowly from the depot over a prolonged period of time – between one and three months – providing sustained blood concentrations."

LAI medicines for HIV have the potential to negate many of the logistical problems associated with daily dosing of existing antiretroviral therapy. More than that, they have the potential to be used in the context of other epidemic diseases such as tuberculosis and malaria.

The benefits are manifold, but none is more significant than prevention. "We know that in the case of HIV if an individual has the drug on board then infection is much less likely in the first place," says Andrew. "High-risk individuals – sex workers or intravenous drug users, for instance – can



► Steve (front, centre) and Andrew (front, right) with their award-winning Nanomedicine team.

“LAI medicines for HIV have the potential to negate many of the logistical problems associated with daily dosing of existing antiretroviral therapy”

therefore be protected by therapy. Think of it like a vaccine which gets topped up every few months.”

HIV might not have a cure, but prevention could go some way towards diminishing the epidemic.

Saving the children

Of the estimated 40 million people who have HIV in the world today, an estimated two million are children – mostly as a result of mother-to-child transmission (MTCT). The majority of MTCT happens through breastfeeding. “We’re not saying that you can contract HIV by oral exposure to a healthy gut,” says Steve. “But, when you’ve got an immature gut taking in repeated volumes of breast milk containing HIV on a daily basis then there’s a high chance of transmission at some point.”

At present some 750,000 children are being dosed twice daily with the aforementioned ethanol-propylene glycol solution. “Nobody knows what dosing alcohol does to children,” says Steve. “But we do know what it does to adults. Children’s livers, kidneys, brains and guts are developing. The effects can be predicted to be worse.”

It is this arena – paediatric HIV – in which Steve and Andrew hope to make real impact. Their work on nanomedicine has led them to develop free-flowing powders that can be dispersed in water (or juice) at the point of use. Instead of using ethanol-propylene glycol to dissolve a poorly soluble particle, they’re using nanotechnology to make suspensions in less-volatile liquids – and prove that dosing it to children in this manner can result in the same blood drug concentration.

Steve and Andrew have received UK government

funding to follow their oral dose adult therapies. Clinical trials are already verifying everything the pair had modelled, opening doors onto more avenues of infectious disease and nanomedicine research. They are also working with the US government and commercial partners to develop the LAI medicines which could prove critical to diminishing the epidemic.

“The one thing we haven’t got funding to follow at all is the paediatric angle,” says Steve. “It’s disappointing but also understandable. If you think about the scale of the problem you’ve got an estimated 38 million adults and 2 million children suffering from AIDS. The focus is on impacting the 38 million; that’s where everyone feels they can make the biggest bang with their buck. But we can’t just forget about the children being dosed with alcohol every day.”

To bring the therapy through clinical trials and onto the market on a not-for-profit basis, Steve and Andrew need to secure £400,000. To date the University’s Development and Alumni Relations team has secured £70,000 in gifts and pledges.

“We just want our translational research to have an impact on the lives of patients living with the virus,” says Andrew. “Too many children are victims of the epidemic because they don’t have access to therapy, or because the therapy they have access to is not fit for purpose. If we can have an impact on that, the hard work will all have been worth it.” ●

If you’d like to contribute to the impact of Steve and Andrew’s work, visit: www.liverpool.ac.uk/giving/donate.

Realise your potential

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MY SPACE ODYSSEY

STUART PENN (BSC HONS PHYSICS 1988, PHD 1992) HAS TURNED A LOVE OF SCIENCE AND SCI-FI INTO A BLOCKBUSTER MOVIE CAREER. HERE HE DESCRIBES HIS JOURNEY FROM SUPERCONDUCTORS TO SPECIAL EFFECTS

PORTRAIT BY TONY FRENCH

From fairly early on I knew I wanted to work in science. I always had a natural thing for physics and maths and have always enjoyed technical things. I built a lot of Airfix kit models and played with a lot of Lego and I was very much into the sci-fi movies of the era – *Star Wars*, *Aliens* and *Blade Runner*. But I had no notion then of working in the movies. If I'd known there was going to be a visual effects industry I might have thought about it, but at the time there wasn't such a thing. I'm originally from Chelmsford in

Essex and I chose to study in Liverpool because the course looked great and the atmosphere felt good. I've been back recently and the city's changed a great deal since I was there in the 80s. I lived there for seven years getting both my degrees, taking my first job there and even meeting my wife. It had a big influence on my life. I was a fairly diligent student but outside of my studies I was also heavily involved in the Role Playing Games Society. It was something I picked up from friends at halls and was a great way to meet new people. It's still something I enjoy today.

From superconductors to special effects

I loved the Physics course because it suited my analytical mind and was quite practical. There's no doubt my degree and PhD helped me develop analytical skills, problem solving and also

presentation skills, which stood me in good stead for speaking at conferences and dealing with clients. My final-year project was on high-temperature superconductors and when I graduated there was space to carry on that work at PhD-level. I learned to programme and a lot about building equipment, which definitely helps me with my current job. When I finished my PhD I went to work for ICI and later helped set up a new research department at London South Bank University. I spent a good few years there doing academic and industrial research on superconductors and dielectric materials.

My move into visual effects started from watching TV shows – particularly *Babylon 5*, which was one of the first to use digital effects on a big scale. I read some articles and looked at the software involved and started tinkering around with it. I started to get a real feel for it and did a couple of little freelance jobs on the side and eventually applied to Framestore, who had just done the first season of *Walking with Dinosaurs*. To my surprise, they gave me a job.

At this point in the UK it was mainly TV and commercial work. There wasn't much of a film visual effects industry. My first project at Framestore was a TV mini series called *Dinotopia*, which won an Emmy. After that I moved into films and the first one I did was *Harry Potter and the Chamber of Secrets*, which is when the visual effects industry kicked off in London big time. I started as a modeller at Framestore. I would be building assets – bits of a city or some dinosaur armour. There is a certain technical element to it but it's still an artistic thing. You are sculpting or manipulating things to look like a piece of concept art which might only be viewing something from one direction and you have to interpret it across full 3D space so that it works as it would in the real world.

Obedying the laws of gravity

I've enjoyed so many projects during my time – from *Dark Knight* to the first *Guardians of the Galaxy* and *Iron Man 3*. This year working on *Alien Covenant* was going back to a subject matter that I grew up with. I really enjoyed the original *Alien* and getting to work on a Ridley Scott movie was something a bit special. More recently I helped out on *Kingsman: Golden Circle* and on some of the shoots for *Paddington 2*.

A real career highlight was working on *Gravity*. It was the ideal project for me because it was so physically based in science. The director was really keen that people watching would feel like they were in space and this was real. We could take some liberties here and there but everything started from what would really happen, how this would work with real physics. Having a knowledge of mechanics, dynamics and what space is like really helped with that. I was very gratified when the film came out that NASA astronauts put together a little video congratulating us on our work and how realistic it was.

It was such a ground-breaking project. Being so heavily involved in it, even being on set, and working on it for three years made it really special. It won the Oscar for Best Achievement in Visual Effects. I wasn't at the Oscars ceremony myself but I did get to attend the BAFTA award ceremony when it won again. I think we were probably the loudest row when we got awarded. It was our night. ●



Stuart Penn (far left) has worked on blockbusters including *Guardians of the Galaxy*, *Gravity*, *The Dark Knight*, *King Arthur: Legend of the Sword* and *Iron Man 3*

MAKE A DIFFERENCE



“I have felt throughout my career that I want to offer placements to university students which will enable them to enhance their prospects and develop their skills. I would recommend that other alumni employers take the opportunity to take motivated University of Liverpool students, I know you won't regret it”

– NICK FELL (LLB HONS 1984), GENERAL COUNSEL AND SENIOR VICE-PRESIDENT OF BW GROUP, SINGAPORE



“Some things about the University will never change so it's great to reminisce with students, but also fascinating to see how the University has changed since I graduated. Supporting the University isn't just about monetary contributions – alumni have a wealth of experience that is an invaluable resource for students, so what are you waiting for? Get involved!”

– DR NICOLA BEESLEY MRCVS (BVSC 2009, MSC 2009, PHD 2016), POSTDOCTORAL RESEARCH ASSOCIATE



“Being connected with a graduate was a real turning point for me; I'm now starting my third year with confidence and a clear career plan. During my degree I am exposed to bright legal minds and this, complemented by my mentoring relationship, has given me an all-round great university experience!”

– ANMAR ALGHADHANFARI, THIRD YEAR LAW STUDENT

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Over the last 12 months, more than **1,300** alumni have volunteered a total of **4,500** hours of their time



35 professional, academic & regional alumni networks were run by a community of **72** alumni around the world



alumni provided careers and employability support for students and recent graduates, of which:

3,260 hours were donated to our mentoring programmes by **992** volunteers

160 alumni networked with students and graduates at events and careers fairs

276 Liverpool Connect users have offered to host students on work experience

The University has made a commitment that 50% of our students will undertake work placements during their degree by 2026, could you help?

For more information about becoming an alumni volunteer please email the team via: alumni@liverpool.ac.uk or visit: www.liverpool.ac.uk/alumni/volunteering to see how you can get involved.

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Want to connect with your alumni community for advice & support?

- Search a global directory of alumni professionals
- Make e-networking connections for informal mentoring and career insights
- Access career development resources and FREE online events
- Join community groups to connect around shared interests.

More than 2,500 other graduates are already using Liverpool Connect, join now: www.liverpool.aluminate.net



ASTRONAUT!

SHE'S GOT WHAT IT TAKES

DR JACLYN BELL IS ON A JOURNEY FROM WALTON TO BEYOND THIS WORLD

As a PhD-level particle physicist and champion cheerleader, Dr Jaclyn Bell (BSc Hons Mathematics 2010, MA Mathematical Sciences 2011, PhD 2016) is not used to feeling like the most average person in the room. But the 28-year-old Liverpool graduate, who recently appeared on BBC2's *Astronauts: Do you have what it takes?*, admits she was initially intimidated by the other high-flying candidates hand-picked for the programme by the former Commander of the International Space Station, Chris Hadfield.

They included RAF pilots, athletes, explorers and ballerinas – all at the top of their fields. “I thought I was at the bottom of the pile the whole time,” says Jaclyn. “I had so much respect for them and felt myself sinking into the floor and wondering if I deserved to be one of the 12, but I did start to see my own qualities as it progressed and it definitely helped my confidence.”

The ultimate job interview

The show put the candidates through the selection process for astronaut training and promised the winner the ultimate reference from Chris Hadfield for when space agencies are next recruiting. Jaclyn says it was an unmissable opportunity to fulfil a life-long ambition to go into space.

Viewers saw Jaclyn exit the programme after a series of tasks exposed that she wasn't a strong swimmer. However, this knockback has only made her more determined to become an astronaut. “I was dreading seeing the episode where I was asked to leave, I was so stressed that people would say, ‘she's got a PhD but she can't swim, what's that about?’ But the whole experience was amazing and I got so much positive feedback and support.

“It's still my dream to become an astronaut. The European Space Agency will be recruiting in a few

years and I've already got a timeline of things I need to do before then. I would absolutely love to be the first Scouser in space and am even more passionate about it since taking part in the show.”

Along with improving her swimming, she plans to learn to fly, SCUBA dive and speak Russian in the spare time she can fit around a new job working as a Space and Physics Project Manager at the UK Association for Science and Discovery Centres.

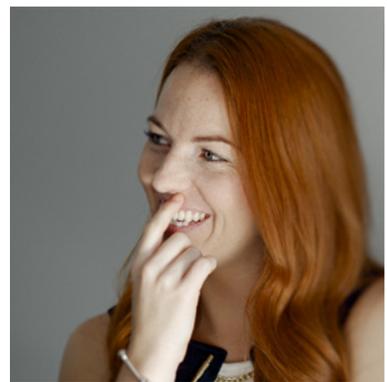
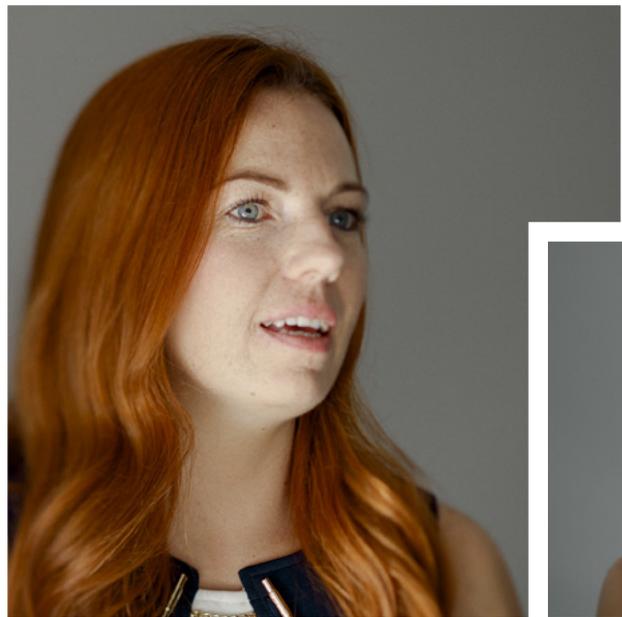
This new role follows a stint working for the British Science Association and both jobs appealed to Jaclyn's passion for education, and especially for introducing young people to science. Throughout her late teens and her University career she was always involved in youth and community projects.

Broadening horizons

“When I was a kid I was told that being an astronaut was an unrealistic goal, and so had my heart set on becoming a teacher,” she says. “I was always such a nerd... I still am. I would play school with my little brother but I never thought of going to university. I never knew much about it because no one in my family had been. My parents weren't keen on me getting into debt so I said I would live at home and work hard to make sure I didn't.

“At University, meeting people from all over the world and from cultures I'd never been exposed to before made me think. I only knew home, school and becoming a teacher – the jobs I saw everyday. University opened up so many different opportunities to me. My little tiny world became a massive world.”

During her undergraduate degree in Mathematics, Jaclyn worked up to 30 hours a week to cover the cost of her fees. “I'd always leave afternoon lectures early to get to my shift. My lecturers would always notice because I'd sit right at the front. I'd be ready when they turned round to run off down the hill and start waitressing!” →



Running the Youth Squad project with the Liverpool Housing Trust, which got young people from her part of Liverpool, Walton, into positive community projects, helped Jaclyn gain a John Lennon Memorial Scholarship to fund her MSc in Mathematical Sciences and another to partly fund her PhD.

The scholarships allowed her to focus more on University life during her postgraduate studies. “My PhD was an especially memorable time because I decided to become more involved in clubs and societies and that’s when I started training with the cheerleading team. We competed nationally and I ended up competing at European level twice. I wish I had joined on day one as an undergrad as it was an amazing experience to be part of a sports team at the University of Liverpool and you do make friends for life. The scholarship also meant I got to meet Yoko Ono because she funds the John Lennon Scholarship – she was amazing and asked us all about our research.

“I always want to help my community because I could have been one of those people who said it’s easier not to go to university and to stay at home”

“My PhD was in quantum chromodynamics. I wanted to learn programming skills and see if I could do research. But what I really enjoyed was the public engagement that came with it, visiting schools and meeting kids. At the same time I was working with Walton Youth Project as a young person’s development worker where I introduced Maths, English, Science and IT elements to their programme and this confirmed my passion for informal education. I always want to help my community because I could

have been one of those people who said it’s easier not to go to university and to stay at home and start a family young.”

Astro aspirational

But Jaclyn’s proudest achievement to date was discovering that the 12 *Astronauts* candidates had been personally selected by Chris Hadfield. “I thought it would be the BBC selecting candidates and I was trying to figure out which character role I slotted into – probably the emotional ginger Scouser! But then I found out Chris had looked through all the applications and whittled them down and chose us. I’d found it difficult getting a graduate job straight after leaving uni, so to apply for something so prestigious and get it was a real confidence boost.”

Jaclyn says she would never have made the cut without her PhD and other qualities developed during her time as a student. She credits her maths

background with giving her the problem solving skills which shone through in some of the tasks and her cheerleading training for the trust and self discipline needed to work as part of a team.

“I’ll always maintain my links with Liverpool, the community and the University,” she says. “I’ve kept in touch with the Athletics Union and still advise the cheerleading teams. Because I worked in outreach and public engagement I want to maintain the links with my department and plan to go back and do careers talks to some of our maths students. I think it’s really important that more alumni should consider giving back, not just in terms of money, but by visiting and being involved in programmes that will support undergraduates and the local community.” ●

Find out how you can give back your time to help support current students by visiting: www.liverpool.ac.uk/alumni/volunteering.

Class NOTES

Where has life taken your classmates since graduation?

Find more online:
www.liverpool.ac.uk/alumni/class-notes

1940s

Bryan Wade (BArch 1949, pictured, below, left) and **Cyril Morris** (BArch 1949, pictured, right) recently held a reunion at Bryan's house in Edinburgh to celebrate 73 years since they met as first year students at the Liverpool School of Architecture and their 90th birthdays later in 2017. Bryan retired from the Scottish Office and Cyril from local government posts in Chester and Cheshire.



1950s

Geoffrey Bishop (BEng Hons Electrical Engineering 1953) after graduation, Geoffrey emigrated to Canada and bought a Triumph TR2. After three years he moved to the US and worked for Link Aviation and then IBM working on magnetic computers. Geoffrey is now retired and has spent 25 years cruising round the world.

Anthony Silson (BSc Hons Geography 1959, MSc Geography 1961) has recently completed writing a long historical geography article titled *Forced Rhubarb in West Yorkshire c.1852-2017*.

Bob Holden (BA Hons Political Theory and Institutions 1964) after a spell working for John Lewis partnership, Bob emigrated to South Africa in 1969. There followed a business career in FMCG with Unilever, L'Oreal, and JWT advertising agency. He is still working with a water users authority in the Hex Valley, South Africa, providing irrigation to table grape export industry. Bob was President of Rhythm Club at Liverpool and still gets together regularly with fellow Jazz mates, all ex-Liverpool musicians - they have been playing together for more than 50 years.

1960s

Janet Loverseed (BA Hons English Literature 1965, MA English Literature 1970) has published a collection of poems, *The Shadow Shop*, in 2016 with Oversteps Books, Devon.



Robert Rogerson (BA Hons Geography 1965) after an MSc at McGill, PhD at Macquarie, and a career in Canadian universities (Memorial University of Newfoundland 1969-88, University of Lethbridge 1988-2006, University Canada West (2006-2010), Robert let his interest in glaciers and the Arctic subside, but couldn't completely retire. Robert is pictured with Minda, his wife of 49 years.

Professor David Russell (BEng Hons Electrical Engineering 1965) is soon to retire after 32 years at Penn State where he taught and researched intelligent automation for industrial systems.

Rosalyn St Pierre (née Palmer) (BA Hons Political Theory and Institutions 1965) former editor of the *Guild Gazette*, Rosalyn has spent a lifetime in education in post-conflict war zones and provided assistance to teachers working in difficult circumstances. Rosalyn is the author of school textbooks distributed world-wide, and currently an East Sussex County councillor.

Christopher Tapp (LLB Hons 1966) qualified as a solicitor in 1969 and spent nearly 40 years in local government before retiring in 2006 from the post of Council Chief Executive in Eastleigh, Hampshire.

He met his wife, Mavis – then at teacher training college – at a University of Liverpool Students Union dance in 1965. They will celebrate their Golden Wedding in 2019.

Carolyn Browning (née Maude-Roxy) (BA Hons Geography 1968) emigrated to Canada in 1968 but returned a year later and after Dip Ed joined the RAF in 1970 as an Education Officer. She later changed to an administrative role with a variety of personnel-related postings in the UK. She retired in 2007 to a village in Somerset and is involved in voluntary work for a number of RAF charities, the National Trust and various village activities.

Colin Tennant (BSc 1968) resident of Roscoe Hall in 1965/66. After graduating, Colin spent his career in the food industry with Unilever and ICI in Great Yarmouth, Wirral and the Netherlands. Now retired and living in Peterborough spending his time tending a 1965 London Routemaster double decker bus.

1970s



Catherine Broun (née Gray) (MBChB 1972) is still working as a General Medical Practitioner, 19 hours a week. She is saving a lot of superannuation via Australia's 'Transition to Retirement' and hoping to be fit enough to travel when she does retire, since she had a second major Lumbar Spinal surgery in May last year. To make up for no holiday in 2017, Catherine and her husband Peter plan to go to Spain and Canada this year, avoiding winter! However, she says that Tasmania is a great place to live and it's always good to get home!

Phil Royle (BA Hons Geography 1973) after 36 years of teaching - one of them as a Geography teacher and the other 35 with deaf children, Phil took early retirement six years ago whilst he still retained a small modicum of sanity. As a retirement present to himself, Phil bought a Morgan 4/4 sport in which he travels all over the place. He also volunteers on Mondays at Kedleston Hall for the National Trust and invites anyone who knows him to pop in to see him sometime. Phil has a four year old grandson who keeps him on his toes - although he does run 20 miles per week to keep middle-aged spread at bay.



Rick Cowley (BA Hons Geography 1969, MCD 1971) and **Karen Cowley (née Belk)** (BA Hons Geography 1969) both retired in 2005 after careers in town planning and education respectively, all within the North West. At retirement, Rick was Chief Planner at Bolton Council and Karen was deputy head at a Burnley school. They currently live in Rossendale, Lancashire. Since retiring they have pursued their passion for places by visiting each of the seven continents. They have been particularly intrigued by Antarctica and the Arctic, but also enjoy the variety of the UK and are currently seeking to visit each of Scotland's accessible islands. Return visits to Liverpool are also enjoyed!



Helen Matthews (BA Hons English Language and Literature 1974) has published her debut thriller *After Leaving the Village* by Hashtag Press. Find out more at: www.helenmatthewswriter.com.



Professor Stephen Hawkins (BSc Hons Marine Biology 1976, PhD Marine Biology 1980, DSc 2008) after stepping down as Dean of Natural and Environmental Sciences at Southampton in December 2015, Stephen had an 18 month sabbatical based at the Marine Biological Association Plymouth, but also working in Brazil and Singapore with shorter working visits to the Canaries, Hong Kong, Italy, Portugal, Ireland, Belgium, France and the US. His final working week before retirement at the end of June 2017 was spent on the Isle of Man doing rocky shore surveys - back where his research career began at Port Erin in 1975.

Anne Hodgkins (BSc Hons Microbiology 1978) due to a severe accident to her right hand, Anne was unable to continue in a bench scientific career (but did learn to write with her left hand!) so joined the pharmaceutical industry and worked in many roles including marketing, clinical research and medical affairs (not as racy as it sounds!). She has had a fantastic career but continued education as and when she could and even got a BA with the Open

University. She said that Liverpool was a wonderful University for student development - she is so pleased that she was there.



Miles Arnot (BCom 1979) is now happily retired and living in Chester after working for Price Waterhouse and

then Shell. He still remembers university days, in particular, the Gilbert and Sullivan Society.

1980s

Steve Gutteridge (BSc Geography and Geology 1985) is a partner in a Lloyd's of London broking house, considering early retirement. Now waving off children to University, sadly none to Liverpool thus far.



Steve Jones (BSc Hons Biochemistry 1985) left university to work as a researcher at the Pain Relief

Foundation, worked at Beechams, Glaxo, GSK and changed career from operations to HR, then to Novartis Vaccines. Now Vice President, Talent Management and Organisation Development at ConvaTec, a global medical devices business. He still lives in Liverpool and plays football for Convocation FC, University of Liverpool old boys. Very proud of his connection! Fiat Lux!

David O'Daly (BSc Hons Biochemistry 1985) after graduating David qualified as a chartered accountant and completed an MBA degree at Henley

Business School in 2007. He is married to fellow Liverpool graduate **Una O'Daly (née Herlihy)** (Diploma in Education 1990), and they have three children and live in London. David currently works in the Finance function of Gatwick Airport (formerly BAA) and in his spare time he is studying for an MSc in Professional Accountancy at the University of London.

Lynn Collins (BSc Hons Combined Science 1986) is the Regional Secretary of the TUC in the North West, and was recently appointed Mayoral Advisor on Fairness and Social Justice. Lynn is also Chair of Healthwatch Liverpool.



(John) Benedict Southworth (BA Hons Political Theory and Institutions 1987) is a social justice campaigner, strategist

and manager. He was Chief Executive at the Ramblers until 2016 and before that at the World Development Movement.



Neil Davies (BA Hons Religious Studies and Computer Studies 1989) writes horror and science fiction books, and plays

music with his son as The 1850 Project. Neil has recently taken up painting again using acrylics. Find out more here: www.nwdavies.co.uk.

1990s

Dr David Gregory-Kumar (BSc Physics Combined 1990, PhD 1995) in a break from the day job reporting science

and environment stories for BBC News David has been presenting *Farming Today* for BBC Radio 4 over the summer, covering everything from robot tractors to the problems faced by rural churches. The highlight was presenting from a salmon farm on the west coast of Scotland.

Dr Peter Compton (PhD 1993) qualified as a Chartered Accountant in 1994. Since then Peter has worked in France, Algeria, Cameroon and Kurdistan, mainly as a Finance Manager but also on occasion as Country Manager in various exploration and production companies in the oil industry.

Dr Simon Warner (MA Popular Music Studies 1993) is a Visiting Research Fellow in Popular Music at the University of Leeds, who publishes his latest book in February 2018 through Bloomsbury. The title, *Kerouac on Record: A Literary Soundtrack*, considers the influence that music had on the US novelist and the impact he had on popular musicians who followed in his wake.

Tim Priestley (BA Hons Economic History 1994) is a Headteacher in Nottinghamshire. Prior to that he worked with Nottinghamshire Police as a firearms officer.

Dr Ruth Brighthouse (PGDip Tropical Medicine & Hygiene 1995) has for the past 22 years raised one son who she is very proud of. She practices family medicine with a focus on women's reproductive health in the Southern Interior of British Columbia, Canada. She also runs a Travel Medicine and Vaccination Clinic in her community.



Andy Herries (BSc Hons Archaeological Science 1997, MSc Archaeological Science 1998, PhD 2003) is an Associate Professor of Archaeology at La Trobe University in Melbourne, Australia. He is head of the Australian Archaeomagnetism Laboratory and runs a paleoanthropology field school in South Africa at the early hominin site of Drimolen.

She has been working with Mayan Midwives in Guatemala for the past 15 years, providing an education program in emergency obstetrical care. Ruth loves her work and the opportunities that her DTM&H has afforded her.

2000s



Vui Kien Liao (BEng Hons Electrical Engineering and Electronics 2000) worked as a Lecturer at Xi'an Jiaotong-

Liverpool University 2007-2012 and was shortlisted for the IET Achievement Medal for Volunteering 2017.

Dr Judy Ford (PhD 2001) retired from academia in July 2017 to spend more time writing detective novels.



Last year she completed *Mystery over the Mersey*, the tale of a murder on a Mersey Ferry. Judy is currently working on a second

Liverpool-based story, *In my Liverpool Home* in which her heroine, Bernie Fazakerley, has her own website where you can learn more about the characters in her novels and has her own Twitter handle: @BernieFaz.

Paresh Mistry (BA Hons Accounting 2002) after graduating, Paresh went on to a career in finance beginning as an Audit Trainee at Grant Thornton, then qualifying at Phones 4U. His career evolved to encompass sales and strategy in the technology space where he worked for IBM and HP and completed an MBA.

He then joined a software company called Redwood and eventually the entrepreneurial bug took over and he formed his own business called ROLABOTIC. The business is named after his son Rohan, daughter Laila and as the first client conversations involved Robotic Process Automation (RPA). Paresh lives with his wife and children in Berkshire but still misses Liverpool!

Dithan Kiragga (MPH 2005) currently serves as Chief of Party (COP) for USAID/Uganda's Private Health Support Program, working with Ugandan government officials,

the Ministry of Health and its related agencies, key stakeholders and international and local partners.

Dan Ebdon (BA Hons Archaeology 2006) went straight from graduating at Liverpool to an MSc at York University, following which he spent three years living and working in Norway. Now owns and runs a hardware shop in York!

2010s

Sylvia Sangare Mollet (MBA Business Administration 2010) works for the Swiss Tropical and Public Health Institute (Swiss TPH) in Mali, as head of the Mali office and senior Monitoring and Evaluation expert. Her main mandates are monitoring the Global Fund projects (AIDS, Tuberculosis and Malaria) in Mali and supporting a development and research project to eliminate rabies.



Jane Wong (MBA 2010) is a certified public accountant but also runs her own business in the events management sector as well as a non-profit organisation.

Josh Wright (BA Hons Modern History and Politics 2010) having been President of the Guild of Students and worked in the Vice-Chancellor's Office, Josh changed career direction and now runs his own website: www.racingtoprofit.co.uk on which he blogs about horse racing. This passion grew throughout his time at the University, encouraged by many trips to Aintree Racecourse. Josh is

now fortunate enough to make a living from his hobby. He is a firm believer that you can do anything if you put your mind to it and in order to be happy and content, you have to take the odd risk.

Dr Andrea Leone (PhD 2011) is a permanent official of the European Union. He moved to Burkina Faso in 2016 as Team Leader for development cooperation of the regional EU delegation.



Kerry Meyers (MSc Global Marketing 2012) was recently promoted to Chief Development Officer, Direct Marketing, at

The Carter Center. Founded by Jimmy and Rosalynn Carter in 1982, The Carter Center has helped to improve life for people in more than 80 countries by resolving conflicts; advancing democracy, human rights, and economic opportunity; preventing diseases; and improving mental health care.



Emma Saville (BA Hons Latin America Studies 2012) founded an education charity

called Why Comics? last year with Dr Ben Dix, Senior Fellow of SOAS University of London. Why Comics? brings contemporary humanitarian and social issues (such as racism, conflict, migration, trafficking and climate change) into the classroom through interactive comic books based on real-life testimony. Their resources are currently disseminated to more than 25,000 teachers worldwide. Find out more: whycomics.org.



Ed Parker (MBAIOSC 2012) is in the final year of his PhD at LJMU looking at how the endangered Samango monkey has adapted to life living in fragmented landscapes. Ed has been lucky enough to have spent more than a year in the Soutpansberg mountains, South Africa, whilst working with these monkeys. Some of his work involves behavioural sampling of two habituated troops, faecal sample collection for DNA analysis, and analysing long-term data collected by the Primate and Predator project to evaluate resource selection and ranging patterns.



Ana Gella Rajiv (MSc International Public Health 2012) after four years of being the Policy Adviser for one of Malaysia's

state assemblymen, Ana is now the Executive Secretary for International Affairs of the Democratic Action Party (DAP) in Malaysia. She plays a key role in fostering the relationship between DAP and other political organisations and governments around the globe. She is also part of the Office of the President of the International Union of Socialist Youth (IUSY), the largest youth political organisation in the world.



Yiqin Wang (BA Hons Accounting & Finance 2013, MSc Finance 2014) is a corporate customer manager at the Bank of Suzhou, near to XJTLU. In 2017, Yiqin married **Chengchen Gu** (BA Hons Accounting & Finance 2014) who he met as a student at Liverpool. Chengchen completed a master's degree at XJTLU and now works for an accountancy firm in Suzhou. They both returned to campus in June 2017 as part of a European trip to take their wedding photographs.



Dr Emmanuel Bimba (MPH 2014) has spent the last 12 years in various public health roles working with

international organisations such as UNICEF, ACF International, Save the Children International and Famine Early Warning System Network (FEWSNET). He currently works for the United Nations World Food Programme (WFP) in the conflict affected region of north east Nigeria, helping provide food and nutrition to internally displaced persons.



Conan Higgins (LLM 2014) is currently General Counsel for Black Rifle Coffee Company, a veteran-owned,

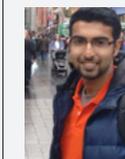
premium, roast-to-order coffee company based in Salt Lake City, Utah, US. Conan is project lead for international expansion of Black Rifle Coffee into Canada and the UK.

Shaunessy McNeely (MPH 2014) is the Executive Director of Health

Programs for Global Refuge which provides life-saving holistic care and medical training to those fleeing war.

Nutthika Keeratithammakrit

(MSc Investigative and Forensic Psychology 2015) is a Forensic Psychologist (Polygraph Examiner) and Forensic Scientist (Fingerprint Examiner) in the Royal Thai Police. Nutthika has just achieved a full scholarship from the Royal Thai government to study for a PhD.



Preejo Mathew (MSc Advanced Mechanical Engineering 2015) co-founded the Institute of

Communicational Excellence, a nonprofit institute to train underprivileged undergraduates in improving their communication skills by organising creative workshops, mock interviews and mock group discussion which are essential to kick start their career. He is also a Production Engineer for the Kerala's largest private sector company, KITEX.



Jennifer Davies (MSc Operations and Supply Chain Management 2016) is co-director of luxury fashion label NABIL NAYAL, now stocked internationally in stores such as Harvey Nichols and Dover Street Market. In 2017 they were finalists of the LVMH Prize at the Louis Vuitton Foundation in Paris and took part in both London and Paris Fashion Weeks in conjunction with the British Fashion Council.

Adam Evans (BSc Psychology 2016) since graduation, Adam started working in local government with Wirral Council. After working in the policy and strategy team for six months, he moved to the communications and marketing team as a Graduate Press Officer. This involves writing press releases, statements and dealing with the local press. He loves his new job and plans to complete a master's degree in public relations. ●

IN MEMORIAM

▶ **Patricia Jane Addy**
(BA Hons 1975, MPhil 1980)

▶ **Martin Arthur Alder**
(BEng Hons 1973)

▶ **Dr David Henry Alltree**
(MBChB 1953)

▶ **Dr Thomas Vincent Attwood**
(MSc 1998, PhD 2004)

▶ **David Lloyd Barker**
(BA Hons 1990)

▶ **Dr Victoria Elizabeth Barton**
(MChem 2005, PhD 2009)

▶ **Robert Joseph Bates**
(BDS 1971)

▶ **Dr Samuel Beacon**
(MBChB 1945)

▶ **Polly Elizabeth Birch MRCVS (née Dick)**
(BVSc 2009)

▶ **Carole Ann Boddington (née Anderson)**
(BA Hons 1963)

▶ **Elizabeth Bowden (née Ellerton)**
(BA Hons 1956)

▶ **Laurence Frank Bradley**
(BEng 1952)

▶ **Maud Isabel Bradley**
(BA 1951)

▶ **Margaret Clare Brannigan MRCVS**
(BVSc 1997)

▶ **Dr Arthur Clifford Brewer TD**
(MBChB Hons 1935)

▶ **Colin Brown FRSA**
(BEng Hons 1996)

▶ **Agatha Brown**
(BA Hons 1954)

▶ **Dr Philip Rodney Brown**
(BSc 1953, BSc Hons 1954, PhD 1961)

▶ **Dr Leslie Barton Bruce**
(MBChB 1948)

▶ **Reverend Donald Alfred Bullen**
(PhD 2004)

▶ **Kenneth H Carr**
(LLB Hons 1942)

▶ **Dr Christopher Chopping**
(BEng Hons 1966, PhD 1972)

▶ **Joseph Vincent Coady**
(BA Hons 1957)

▶ **John Edward Cooke**
(LLB Hons 1949)

▶ **Clare Cosgrove**
(BA Hons 1984)

▶ **Dr Audrey Couch (née Beavan)**
(MBChB 1953)

▶ **Margaret Susan Cunniffe (née White-Jones)**
(BDS 1972)

▶ **Rachel DaCosta**
(BVSc 2016)

▶ **Roger Austin Daley**
(LLB Hons 1951)

▶ **Michael Charles Davey**
(LLB Hons 1961)

▶ **Dr John Trevor Dawson**
(MBChB 1959)

▶ **Alan Golborne Dickinson**
(BSc 1952)

▶ **Dr Sylvia Christine Dillon (née Lyon)**
(BA Hons 1984, PhD 1991)

▶ **Professor Sydney Lawrence Dixon**
(BEng Hons 1954, PhD 1968)

▶ **James Edwin Dodgson**
(BArch 1954)

▶ **John Done**
(BEng 1957)

▶ **Dr Pamela Rita Dover (née Lipman)**
(MBChB 1953)

▶ **Dr John David Elliott Edwards**
(MBChB 1948)

▶ **Dr Rachel Mary Eyre (née Bartlett)**
(MBChB 1959)

▶ **Andras Karoly Fabry MRCVS**
(BVSc 1962)

▶ **John Thomas Goodacre**
(LLB Hons 1968)

▶ **Dr Benjamin Elkan Goodman**
(MBChB 1966)

▶ **John Cedric Gosling**
(BEng 1951)

▶ **Peter Richard Gough**
(BEng Hons 1946, MEng 1948)

▶ **Simon Andrew Graham**
(BSc Hons 1994)

▶ **Stephen Percy Gray**
(MSc 1967)

▶ **John Greenwood MRCVS**
(BVSc 1955)

▶ **Dr Joseph Griffiths**
(BA 1957, PhD 1982)

▶ **Martin Gordon Hall**
(BSc 1969)

▶ **Philip Hall**
(BSc Hons 1974)

▶ **Avril Kathleen Hannam MRCVS (née Price)**
(MSc 1973)

▶ **Anne Veronica Harris (née Lucas)**
(BSc 1973)

▶ **Denis Byrne Harrison JP**
(LLB Hons 1937, LLM 1939)

▶ **Dr Raymond Heyworth**
(BSc Hons 1951)

▶ **Angela Suzanne Hill**
(BSc Hons 2012)

▶ **Cynthia Hodson (née Whitely)**
(BA Hons 1967)

▶ **Dr Eric Holmes**
(MBChB 1954)

▶ **Herbert Howard**
(BEng 1941)

▶ **Professor John McCormack Howell MRCVS**
(BVSc Hons 1957, PhD 1964, DVSc 1970)

▶ **Dr Mair Eluned Hughes (née Jones)**
(MBChB 1941)

▶ **Professor Stanley Ernest Hunt**
(BSc Hons 1947)

▶ **William Alexander Iland**
(BA Hons 1938)

▶ **Dr Christopher Lancaster Imison**
(MBChB Hons 1954)

▶ **Frederick David James**
(BSc Hons 1957, MSc 1965)

▶ **Dr Gwladys Eira Pennant James (née Williams)**
MBChB 1953

▶ **Arthur Robert Court Johnston**
(BArch Hons 1950)

▶ **Dr John Stuart Jones**
(BEng Hons 1948, MEng 1951)

▶ **Samantha Dawn Jones**
(BSc Hons 1993)

▶ **Stephen Mark Jones**
(BSc Hons 1997)

▶ **John Sutcliffe Jones**
(MBChB 1951)

▶ **Sylvia Constance Jubb MRCVS**
(BVSc 1943)

▶ **John Brian Kershaw**
(BEng Hons 1955)

▶ **Alan Kirk**
(BEng Hons 1950)

▶ **Joyce Margaret Kovachich (née Butchard)**
(BSc Hons 1947)

▶ **David John Kulich**
(BSc 1970)

▶ **Joan Lane (née Thompson)**
(Diploma in Education 1967)

▶ **Peter Richard Leckie**
(DLOW 1997)

▶ **Dr Peter Martin Lee**
(BSc Hons 1962)

▶ **Christopher David Lightfoot**
(BSc Hons 1996)

▶ **James Richard David Lintott FCA**
(BCom Hons 1973)

▶ **Michael David Mahony**
(BCom 1965)

▶ **Professor Elkan Rex Makin**
(LLB Hons 1945, LLM 1947)

▶ **John Markham**
(BA Hons 1973)

▶ **Mary Veronica Maxwell**
(MA 2000)

▶ **Adrian Robert McBurney**
(BA 1986)

▶ **Kathleen Teresa McCarthy**
(BSc Hons 1971)

▶ **Jonathan McQuilken**
(BSc Hons 1979)

▶ **Dr Philip Ian Meikle**
(BSc Hons 1968, PhD 1974)

▶ **Professor Eric Moonman OBE**
(Diploma in Social Studies 1955)

▶ **Professor James Moruzzi**
(BEng Hons 1960)

▶ **Graham Paul Moynes**
(LLB Hons 1985)

▶ **Pamela Wendy Newton (née Lambert)**
(BA 1954)

▶ **Juliet Ogechukwu Nnoka (née Ozowalu)**
(MBA 2012)

▶ **Derrick Strickland Norris**
(BSc 1962, BSc Hons 1963)

▶ **Dr Stephen Anthony O'Sullivan**
(PhD 1969)

▶ **John Derek Peel**
(BSc Hons 1948)

▶ **Dr William Henry Penley CBE**
(PhD 1940)

▶ **David Gareth Pennant-Williams**
(LLB Hons 1968)

▶ **Dr Kathleen Mary Perkins (née Roby)**
(MBChB 1948)

▶ **Dr Colette Cecilia Pickstock (née Green)**
(MBChB 1957)

▶ **John Andrew Pinder CBE**
(BA Hons 1972)

▶ **Dr David Edward Poole**
(BEng Hons 1959, PhD 1963)

▶ **Betty Harrison Pownall**
(BSc Hons 1943, Dipl in Education 1944, MSc 1976)

▶ **Dr Raymond John Poynter**
(BSc Hons 1985, PhD 1989)

▶ **Philip Mark Presland**
(BEng 1983)

▶ **Thomas Richard Prichard**
(BEng 1951)

▶ **Donald Smart Pringle**
(BEng Hons 1954)

▶ **Dr Albert Edward Prinn**
(PhD 1967)

▶ **Mary-Elizabeth Raw FRCVS**
(BVSc 1972)

▶ **Richard Alun Richards MRCVS**
(BVSc 1942)

▶ **Jane Elizabeth Richardson**
(BA Hons 2004)

▶ **Harry Rooney**
(MSc 1995)

▶ **Graham Paul Saunders**
(BA Hons 1983)

▶ **Professor David William Sheel**
(BSc 1975, BSc Hons 1976, PhD 1980)

▶ **Michael Aspinwall Sheppard**
(BCom 1951)

▶ **Norman David Smith**
(Diploma 1991)

▶ **Thomas Anthony Smith**
(BA Hons 1948)

▶ **Dr Paget James Stanfield**
(MBChB Hons 1950)

▶ **Robert Paull Stanislaus Stam**
(BEng 1961)

▶ **Professor Roy Storer**
(LDent Sci 1950, MSc 1960)

▶ **Edith Anne Struthers MRCVS**
(BVSc 1956)

▶ **Annette Mary Spurway Theaker**
(BA Hons 1961)

▶ **Pdraig Francis Thornhill**
(BA Hons 1999)

▶ **Dr Eric Toke JP**
(MBChB 1950)

▶ **Dr Gary Walker**
(BSc 1964, BSc Hons 1965, PhD 1969)

▶ **David John Whittaker**
(BA 1949, MA 1965)

▶ **James Rowland Whitton**
(BEd 1980)

▶ **Thecla Jane Wilkinson**
(MSc 1992)

▶ **David Leslie Williams**
(BEng Hons 1962)

▶ **Janet Williams (née Tilley)**
(BSc 1993)

▶ **Dr Robert Geoffrey Bainbridge Willis**
(MBChB 1951)

▶ **Noreen Marjorie Wood (née Lucas)**
(BA Hons 1988)

Staff, students, Friends of the University of Liverpool and Honorary Graduates

David Michael Behrend, a Friend of the University of Liverpool

Shirley Margaret Britt (née Glenville), a Friend of the University of Liverpool

Joseph P Costello, former member of staff

Ronald George Crabb, former member of staff

Ugo Ehiogu, who was studying for a Diploma in Football Management

Lt Colonel Charles Henry Elston
(Hon LLD 1997)

Edward Gowland, who was studying for a master's degree in Physics

Leslie Hampson, a Friend of the University of Liverpool

David Anthony Hebbert, a Friend of the University of Liverpool

Ian Jackson, former Deputy Librarian

Edward Murphy, lecturer in adult education in the 1970s

Dr Alan Ernest Mussett, former Head of Geophysics

Ernest Keith Sharman, a Friend of the University of Liverpool and former member of staff

Lord Soulsby of Swaffam Prior
(Hon DVSc 2004)

WELCOME TO THE CLASS OF 2017

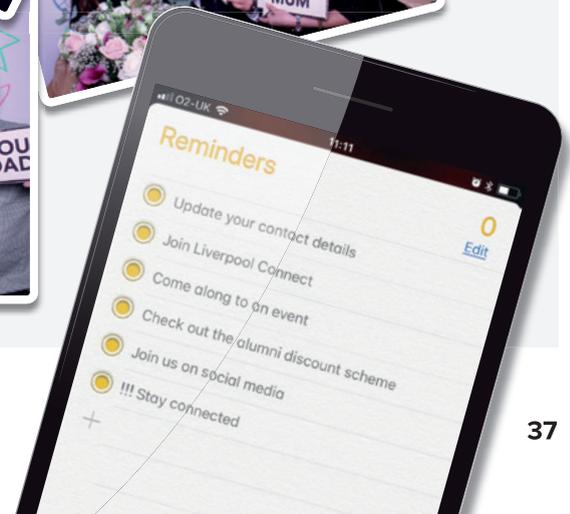
Our Class of 2017 graduates are entitled to a wide range of benefits, including FREE access to online journals; invitations to social and careers-focused events around the world; discounts on postgraduate study, travel and leisure as well as membership of our exclusive online networking platform, Liverpool Connect.

Find out more about what your alumni community has to offer by visiting our Class of 2017 home page here: www.liverpool.ac.uk/alumni/2017.



Honorary degrees were awarded to nine prestigious individuals in 2017, including four University of Liverpool alumni: Paul Brett (BA Hons Geography 1965), Professor Dame Georgina Mace DBE FRS (BSc Hons Zoology 1975), David Olusoga (BA Hons History 1994, pictured) and Ken Martin (BA Architecture 1961).

Former Associate Pro-Vice-Chancellor for Education in the Faculty of Health and Life Sciences, Eileen Thornton CBE FCSP (MEd 1988), was also awarded an honorary fellowship during our winter graduations.



AN ENTERPRISING SOLUTION

Whether you are thinking of starting a new business, or developing an existing one, you can find the advice, expertise and information that you need through our Entrepreneurship and Social Enterprise Professional Interest Network.

With more than 150 members – including alumni, academics, and sector experts – the network allows those with similar interests and challenges to interact and share their experiences, and provide

support to the next generation of entrepreneurs. The network is run by a group of alumni volunteers who host a programme of events, webinars and online networking opportunities. All University of Liverpool alumni, regardless of their degree subject, are welcome to join and membership is FREE. ●

Find out more and join the network via Liverpool Connect at: www.liverpool.aluminate.net/groups/entrepreneurship.



One entrepreneur's story

SERIAL BEAUTY ENTREPRENEUR, EKO WANG (MBA MARKETING 2002), IS THE OWNER OF COLORMAD (WWW.COLOR-MAD.COM), A COLOUR COSMETIC NAIL BRAND WITH OUTLETS IN MAINLAND CHINA.

"The success of my company is the result of a collaboration with some of the world's top laboratories to develop revolutionary manicure ingredients and technology. Our brand ethos

centres on creativity, whilst never compromising on quality and the positive feedback that I get from my customers makes it worth all the hard work. The next step for my business is to expand to overseas

markets, hopefully building COLORMAD into a global beauty brand. My advice to new graduates? Step out of your comfort zone and you will find out what you are capable of!"



China's First Emperor and the Terracotta Warriors

9 February to 28 October: Liverpool World Museum will host an unmissable exhibition of the ancient Chinese sculptures, dating back to the 8th Century BC.



Head of Augustus

3 March to 30 June: The 2,000 year-old bronze head of Rome's first Emperor will return to Liverpool for the first time since it was excavated by the University's John Garstang in 1910.



Wendy Beetlestone public lecture

13 March: Alumna and US Federal Judge, The Honourable Wendy Beetlestone, will deliver the Liverpool Law School's Annual Public Lecture.



Rugby League 50th anniversary reunion

16 & 17 March - Celebrating the 50th anniversary of both the University of Liverpool Rugby League Club and Student Rugby League.



Open House and Light Night 2018

14 to 19 May - The University opens its doors once again for a week of free public events to involve, inspire, inform and intrigue you.



Liverpool Biennial 2018

14 July to 28 October - The international art festival will take place over 15 weeks across the city in public spaces, galleries, museums, online and on campus.



Liverpool Literary Festival

19 – 21 October - Once again the University will be hosting a weekend of exhilarating shows, readings and debates with a host of internationally-celebrated writers.

CALENDAR

WITH CELEBRATIONS MARKING THE 10TH ANNIVERSARY OF LIVERPOOL'S YEAR AS EUROPEAN CAPITAL OF CULTURE, NOW IS THE PERFECT TIME TO VISIT. HERE ARE JUST A FEW OF THIS YEAR'S EVENTS, FULL LISTINGS ON: WWW.LIVERPOOL.AC.UK/ALUMNI/EVENTS.



FIVE THINGS TO DO THIS YEAR...

1

Make a connection

Develop and improve your employability skills by joining our online networking platform, Liverpool Connect: www.liverpool.aluminate.net

2

Tell your story

From writing a book to travelling the world, let your classmates know what you're up to now by sending in your own Class Notes update: www.liverpool.ac.uk/alumni/class-notes

3

Enjoy the benefits

Take a look at our exclusive alumni benefits packages: www.liverpool.ac.uk/alumni/benefits

4

Update your details

Moved? Changed jobs? Simply let us know your new contact details by completing our form: www.liverpool.ac.uk/alumni-magazine/my-details

5

Support us!

Help us to reach our £400,000 fundraising goal and change the lives of children living with HIV: www.liverpool.ac.uk/giving/donate



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