Making Ideas Happen
Promoting the excitement and thrills of enterprise education.

Community and Communication
Sharing the goal of energy, food and water security.

Meet the New Chancellor
The Right Hon Lady Justice Rafferty DBE relishes her new role.

BE BOLD AND THINK RADICALLY
ENTER THE STIMULATING WORLD OF ECONOMICS’ GURU LORD O’NEILL.
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## A note from your editor

It’s been an outstanding year at the University. We scooped a trio of accolades at the Times Higher Education Awards, received a major donation for our ground-breaking research into food security and we’re about to welcome our first female Chancellor, who I’m sure will carry on the excellent work of Sir Peter Middleton who retires this summer. You can read about these and many other aspects of University life in the following pages.

Thanks

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Sarah Hopkins  
(BA English Language with Linguistics 2003)  
Alumni Relations Marketing and Communications Officer

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Read Your University online!

Your alumni magazine is also available online. If you would prefer to opt out of receiving the print edition please email alumni@sheffield.ac.uk, subject: Your University Online, and be sure to include details of your preferred email address. We will send you an email when next year’s edition is available. In the meantime, you can see this year’s magazine here: [www.sheffield.ac.uk/youruniversity](http://www.sheffield.ac.uk/youruniversity)
At this time of the year, new graduates and their families mark achievement and look forward to the future. Graduation ceremonies are proud celebrations which remind us of our core purpose; to pass on knowledge to the next generation, to engender a lifelong respect for learning and to equip them to use their talents to improve the world that they are inheriting.

Universities and policy makers talk a lot about the impact of education, and seek ways to measure this. But the most significant way any university changes the world is through the ideas and lives of people – those who continue to develop that learning, taking it into every profession and continent of a world which surely needs the commitment of people who have benefitted from the education we are so fortunate to share.

Your University is not shying away from global challenge either. We have been greatly encouraged by the support of students and alumni for issues such as environmental sustainability, including through the new interdisciplinary Grantham Centre for Sustainable Futures. Our work across all forms of low-carbon energy has attracted talented researchers keen to translate ideas into action. Research into neurological diseases urgently seeks breakthroughs in some of the most debilitating conditions in medicine. And as I write, significant progress in the treatment of breast cancer is being reported – life-changing work carried out here in Sheffield.

We are also thinking hard about the needs of the economy and business. The University’s Advanced Manufacturing Research Centre is rapidly developing into Europe’s first Manufacturing Innovation District. Building is underway on Factory 2050, the world’s first fully reconfigurable factory. Your University is the first to pilot advanced apprenticeships with routes into manufacturing engineering degrees and beyond. And our £80 million new engineering building, known as The Diamond, will welcome its first students in the autumn of 2015.

The vital importance of such work has been recognised by distinguished Sheffield alumnus, Lord O’Neill, now Commercial Secretary to the UK Treasury. Sheffield will certainly be playing its part in turning the vision of a ‘Northern Powerhouse’ into reality, and you can read an interview with Jim in this magazine.

And after 16 years of exceptional service, our Chancellor Sir Peter Middleton will be stepping down from this role, although he has generously agreed to continue to work closely with alumni. I have deeply valued his care for this University. He hands on the role of Chancellor to another Sheffield graduate, the Right Honourable Lady Justice Anne Rafferty. Dame Anne shares Peter’s dedication to the University which she says “gave me so much. This privilege – which means the world to me – begins my opportunity to repay.” I know you will join me in wishing her the very best. She joins a tremendous international family of talent and commitment to making our world a better place.

Keith Burnett
The University’s international reputation for research excellence across a wide range of disciplines was confirmed by the results of the 2014 Research Excellence Framework (REF). The quality, breadth and volume of the University’s research activity were demonstrated by the fact that 86 per cent of the research submitted by academic staff was rigorously judged as world-leading or internationally excellent.

The submission for Biomedical Sciences, including staff from the Faculties of Science and Medicine, Dentistry and Health, achieved particularly outstanding results, coming top in the UK in its Unit of Assessment for subjects allied to healthcare. History, Politics, and Automatic Control and Systems Engineering were each ranked third. A further six Units were judged to be in the top five: Architecture, Landscape and Town and Regional Planning, Biological Sciences, Civil Engineering, Computer Science, Education, and Mechanical Engineering (with the Advanced Manufacturing Research Centre). Electronic and Electrical Engineering, Law and Music were ranked in the top ten.

A new feature of this national assessment exercise was measuring impact. Professor Richard Jones, Pro-Vice-Chancellor for Research and Innovation, commented, “Across the University there are many powerful examples of this: how our work helps patients by finding new medicines and assessing the best ways of treating them; how it boosts jobs and growth by creating spin-out companies and helping existing companies develop new products and processes; and how our work impacts policy, and enriches the cultural life of the city and country.”

Visit www.sheffield.ac.uk/research/ref2014

FAST FACTS:
The Students’ Union was voted best in the UK for the third year running in the National Student Survey.
The University of Sheffield was ranked 12th best in the UK – and No 1 in Yorkshire – in the QS World University Rankings 2014.
Double Chinese honour

Sheffield has been named as one of the first of a small number of universities worldwide to host a Model Confucius Institute. Building on the success of our thriving Confucius Institute, the University will extend the current provision of courses and public events to include a focus on the needs of business, manufacturing and healthcare.

The signing of the new agreement took place at the ninth annual global conference of the Confucius Institute in Xiamen in China. Vice-Chancellor Professor Sir Keith Burnett also received a prestigious Individual Performance Excellence Award from Liu Yandong, Vice-Premier of China. The award was made in recognition of his contribution to a greater understanding of Chinese language and culture. He commented, “We need to pool our talents as we create the sustainable energy the world will need, address problems of pollution and think about how to care for an ageing population. In all these areas, the UK and China must simply work together.”

Visit www.sheffield.ac.uk/confucius/sci

The University is also hosting the pilot GREAT Ambassadors (China) Scheme, which is providing student placements with companies across the UK who want to develop and expand their trade links with China.

Contact the GREAT Ambassadors (China) Scheme:
Email: gac.scheme@sheffield.ac.uk Tel: 0114 222 0938

Visit www.youruniversity.group.shef.ac.uk/news/double-chinese-honour/

A contemporary campus

As the University continues to grow, both in terms of reputation and in student and staff numbers, there is an increasing need to expand and improve the quality of our buildings and the surrounding campus. The Campus Masterplan is our vision for the next decade, building on the progress we’ve made so far.

The aim is to create the best possible environment for all our students and staff, and make better links with local communities and the wider city. We want to make it even easier and safer for people to walk and cycle, and we also want to create public spaces which encourage people to visit and enjoy the campus. Ongoing public discussions are informing the details of the Masterplan.

Visit www.sheffield.ac.uk/campusmasterplan and watch the accompanying video.
Major grant for lung imagery research

A grant of £7.5 million is expanding the development of world-leading clinical lung imaging, which is providing very detailed images of a patient’s lungs without relying on X-ray radiation. The team of the Pulmonary, Lung and Respiratory Imaging Sheffield project focus on the physics and engineering methods for imaging with proton and hyperpolarised gas MRI (magnetic resonance imaging) and their clinical application. They are creating functional images of the lungs in patients affected by conditions such as asthma, cystic fibrosis, emphysema, pulmonary hypertension and the effects of smoking.

The award is made up of £6.5 million from the Medical Research Council and £1 million from the British Heart Foundation. Jim Wild, Professor of Magnetic Resonance Physics and National Institute for Health Research (NIHR) Research Professor in Pulmonary Imaging, said, “The new imaging processing laboratory will allow us to process large volumes of digital imaging data for characterising pulmonary diseases.”

Normal lungs captured with clinical lung imaging.

Visit www.sheffield.ac.uk/polaris to explore different aspects of lung imagery research.

Peerless peregrines

The nest site on St George’s Church has been successfully used again – four eggs laid and two chicks hatched in 2015!

A Sheffield welcome for international students

Since 2013 the University and the Students’ Union have led the way in emphasising the importance of our international community with the pioneering #weareinternational campaign, which is now endorsed by more than 100 UK universities and colleges, the British Council and the Home Office. In 2014, in addition to winning the Outstanding International Student Strategy category at the Times Higher Education Awards (see page 8), the campaign also won the Internationalising the Student Experience category at the National Union of Students and UK Council for International Student Affairs Internationalisation Awards.

Vice-Chancellor Professor Sir Keith Burnett said, “We are absolutely delighted that the hard work of our wonderful Students’ Union and our international students has been recognised by national bodies which represent both home and overseas students. We are truly proud of our international community and we want to shout about it from the rooftops.”

The #weareinternational campaign celebrates not only the diversity of our student population but the wider global impact of our teaching, research and alumni network.

Visit www.sheffield.ac.uk/sheffieldinternational for more details of our global activities and outreach.
Boost for UK advanced manufacturing

Construction of the revolutionary £43 million Factory 2050 is now underway on Sheffield Business Park. The building is an exciting development of The University of Sheffield Advanced Manufacturing Research Centre (AMRC) with Boeing. It will be the UK’s first totally reconfigurable, digital factory, built to respond to an increasing requirement for advanced manufacturers to be able to make rapid changes to product design. It is designed so that machines and manufacturing modules can easily be moved around the shop floor.

Factory 2050 is an important step towards the development of the region’s Advanced Manufacturing Innovation District. This will be Europe’s largest research-led advanced manufacturing cluster, centred on the M1 corridor near Sheffield and Rotherham, which is already home to the AMRC facilities at the Advanced Manufacturing Park. Innovation Districts combine research institutions, innovative firms and business incubators with the benefits of urban living – added transport links, leisure facilities and housing.

Vice-Chancellor Professor Sir Keith Burnett commented, “The fact that companies such as Boeing, Rolls-Royce, Hitachi and Microsoft are involved in this activity speaks volumes for what has already been achieved, and our ambitious vision for the next decade and beyond.”

Bringing great minds together

The University is enhancing its dynamic research environment which is attracting motivated and passionate doctoral researchers. The Doctoral Academy has been launched as the focus of this commitment to build and sustain a diverse, integrated, supportive University-wide community, which breaks down the barriers between departments and promotes interaction. Our doctoral researchers receive personalised skills’ training and expert careers advice – including mentoring by successful alumni, and become part of a collaborative group of colleagues.

We want our doctoral researchers to be ambitious and communicate the value of their research. A new online Virtual Community Space showcases and celebrates their work more visibly beyond Sheffield. A blog and Discussion Space provide opportunities to explore different ways to promote research, and a programme of Doctoral Academy events expands horizons beyond individual academic departments and faculties.

Visit www.sheffield.ac.uk/postgraduate/research/sheffield to experience the online Doctoral Academy.
Exceptional support recognised

The University received a trio of accolades at the Times Higher Education (THE) Awards 2014, coming top in the categories of Widening Participation Initiative of the Year, Outstanding International Student Strategy and Outstanding Support for Early Career Researchers.

The Director of Training at the AMRC (Advanced Manufacturing Research Centre) Training Centre, Alison Bettac, said, “We are delighted to win the Widening Participation Initiative Award. We believe we have created a blueprint for bridging the manufacturing skills’ gap and promoting social mobility at the same time.” The apprentices at the Training Centre show what is possible when universities and companies come together to address real skills’ needs in the context of world-class research.

The award for Outstanding International Student Strategy was presented for the pioneering #weareinternational campaign, developed by the University and the Students’ Union. This is a ground-breaking initiative highlighting the crucial value of international students to the UK. The third award went to the Think Ahead scheme, a research-led framework for the professional development of researchers, supporting individual career ambitions in and beyond academia.

Ready to sparkle

The University’s largest investment in teaching and learning – The Diamond – is on schedule for completion in time for the September 2015 student intake. The £81 million, six-storey building is located between Jessop West and St George’s Church, and has a distinctive exterior ‘wrap’ of diamond shapes. As well as providing specialist engineering teaching facilities, it will also house a range of lecture theatres, seminar rooms, open-plan learning spaces, library and IT services, and social spaces. Specialist facilities include a chemical engineering pilot plant, a semi-conductor clean room, a flight simulator and control room, and a virtual reality suite.

Watch a time-lapse video of the building of The Diamond at www.sheffield.ac.uk/efm/estatesdevelopment/projects/thediamond/timelapse
100 YEARS

GLASS TECHNOLOGY
In 1915, the country’s first Department of Glass Manufacture (later Glass Technology) was established at the University: the Centre for Glass Research is now based in the Department of Materials Science and Engineering. The Turner Museum of Glass has been refurbished, thanks to a generous donation from the Alumni Foundation and support from the Faculty of Engineering and the University. Visit turnermuseum.group.shef.ac.uk

65 YEARS

FILM UNIT
Established in 1949, and the oldest student cinema in the UK, Film Unit has been celebrating its 65th anniversary in 2014–15. Visit forgetoday.com/screen/feature-film-unit-at-65 for an article about Film Unit and its alumni volunteers.

50 YEARS

EARNSHAW HALL
Earnshaw Hall of Residence was opened in 1965 (and demolished in 2006 to make way for the University’s Endcliffe student accommodation). The Earnshaw Association held a dinner to celebrate the 50th anniversary of its opening.

TOWN AND REGIONAL PLANNING
Visit www.sheffield.ac.uk/trp/anniversary for news of the department’s 50th anniversary.

POLITICS
Political Theory and Institutions was established in the Department of Economics in 1959, and became a separate department in 1965 (renamed the Department of Politics in 1987). Visit www.sheffield.ac.uk/politics/50anniversary

40 YEARS

CZECH
Czech was introduced as a subject area at the University in 1974. Visit www.sheffield.ac.uk/russian/undergraduates/czech/40-years

SHEFFIELD UNIVERSITY SUB AQUA CLUB
SUSAC is celebrating its 40th year as a branch of the British Sub Aqua Club. Visit www.susac.com

20 YEARS

LUXEMBOURG STUDIES
It is 20 years since the Centre for Luxembourg Studies was established at the University. Visit www.sheffield.ac.uk/luxembourg-studies

JOURNALISM STUDIES
A £3 million refurbishment of 9 Mappin Street has provided a new home for the department in its 20th year. Visit www.sheffield.ac.uk/journalism/events/jus20 for details of anniversary events.

NURSING AND MIDWIFERY
The School of Nursing and Midwifery was established 20 years ago following the integration of the Sheffield and North Trent College of Nursing and Midwifery into the University. Visit www.sheffield.ac.uk/snm
Breastfeeding is a powerful tool in the prevention of disease and promotion of health in both infant and mother. Yet breastfeeding rates in the UK are amongst the lowest worldwide. The NOSH (NOurishing Start for Health) study is offering financial support to attract and engage women in selected electoral wards with low breastfeeding rates, in South Yorkshire, Derbyshire and Nottinghamshire. Shopping vouchers are distributed to women who breastfeed their babies for up to six weeks, with further vouchers if they continue to six months. The research team, led by Dr Clare Relton (School of Health and Related Research) with colleagues from the Universities of Dundee and Brunel, is comparing the breastfeeding rates in these wards with other similar wards where the scheme is not being offered. The results will provide evidence for public health decision-makers as to the acceptability, feasibility and cost-effectiveness of behaviour-change support.

Visit www.sheffield.ac.uk/scharr/sections/ph/research/breastmilk for details of the work of the Molecular Oncology Unit.

3D-printed guides restore function in damaged nerves

Current methods of repairing nerve damage require surgery to suture or graft the nerve endings, a practice which often yields imperfect results. Researchers from the Faculties of Engineering and Medicine, Dentistry and Health have now succeeded in using a 3D-printed guide to help nerves damaged in traumatic incidents repair themselves. The device, called a nerve guidance conduit, is a framework of tiny tubes, which guide the damaged nerve ends towards each other so that they can repair naturally. The advantage of this technique is that it can be adapted for any type of nerve damage or even tailored to an individual patient. The team use a material called polyethylene glycol, which is already cleared for clinical use and is also suitable for use in 3D printing. Further work is already underway to investigate device manufacture using biodegradable materials. The research is funded by the Engineering and Physical Sciences Research Council and the Medical Research Council.


Ovarian cancer drug one step closer

Ovarian cancer patients could soon be treated with a pioneering drug discovered at the University with funding from Yorkshire Cancer Research. Lynparza, licensed by AstraZeneca, has become the first of a new class of drugs called PARP inhibitors to be granted approval by the European Commission and the US Food and Drug Administration. The National Institute for Health and Care Excellence will now assess the drug to see whether it should become widely available on the NHS. Dr Helen Bryant (Department of Oncology), lead author of the original research paper published in Nature in 2005, said, “This type of innovation in basic research has increased the visibility of cancer research in Yorkshire and attracted other world-leading researchers to the area. It shows what funding novel laboratory ideas at the grass-roots level can do to change the treatment options available to patients.”

Visit www.shef.ac.uk/oncology/units/mo for details of the work of the Molecular Oncology Unit.

Visit www.noshvouchers.org and www.sheffield.ac.uk/scharr/sections/ph/research/breastmilk
Genetic differences continue to fuel human evolution

Genetic variation in modern populations allows natural selection to continue shaping human evolution despite lower mortality and fertility rates. Dr Virpi Lummaa (Department of Animal and Plant Sciences) and Dr Elisabeth Bolund (Uppsala University) used genealogical records collected from Finnish churches starting at the beginning of the 18th century and still being collected today. By assembling family trees over several generations of over 10,000 individuals, they could sort out how much of the variation in a trait is due to genetic influences and how much is due to environmental influences. They also looked at how the determinants of key traits for evolutionary success may have changed during the modernisation of society. Their conclusions can help in predicting population responses in the face of global challenges such as prevailing epidemics, ageing populations and decreasing fertility.

Visit www.huli.group.shef.ac.uk for details of the Human Life History Project.

Graphene displays clear prospects for flexible electronics

Researchers from the Department of Physics and Astronomy, in close collaboration with a team led by Nobel Laureate Sir Kostya Novoselov (University of Manchester), have explored new avenues for applications of graphene and related 2D materials. The world’s thinnest material (one carbon atom thick) and other atomically thin layers can be produced to create flexible, see-through, efficient devices. The team made the breakthrough by creating light-emitting devices (LEDs) engineered on an atomic level. These could be utilised to create LEDs for the next generation of mobile phones, tablets and televisions to make them incredibly thin, flexible, durable and even semi-transparent. Professor Alexander Tartakovskii said, “The novel LED structures are robust and show no significant change in performance over many weeks of measurements. Despite the early days in the raw materials’ manufacture, the quantum efficiency (photons emitted per electron injected) is already comparable to organic LEDs.”

Napping helps infants’ memory development

Working with colleagues from Ruhr University Bochum, Germany, Dr Jane Herbert (Department of Psychology) has studied how napping can help infants to develop their memory and retain new behaviours. The team explored whether daytime sleep after learning helped infants to remember new behaviour. Infants who did not nap after learning were compared with age-matched infants who napped for at least 30 minutes within four hours of learning target actions (removing and manipulating a mitten from a glove puppet). The study showed that the infants who had napped remembered the target actions, whilst those who hadn’t napped showed no evidence of remembering the new information and behaviour. The findings suggest that the optimal time for infants to learn new information is just before they have a sleep. Jane said, “This study shows just how valuable activities like reading books with young children just before they go to sleep can be.”


Lighter planes are the future

Multidisciplinary research into the life-cycle assessment of composite materials in aviation is being led by colleagues from Mechanical Engineering and the Management School. In collaboration with the University of Cambridge and University College London, the team is the first to carry out a comprehensive life-cycle assessment of a composite plane, such as the Boeing Dreamliner 787 or Airbus 350. Emissions during the manufacture of composite planes are over double those of aluminium planes. But because the lighter aircraft use significantly less fuel, these increased emissions are offset after just a few international flights. Over its lifetime, a composite plane creates up to 15 to 20 per cent fewer CO₂ emissions than its aluminium equivalent. The industry target is to halve CO₂ emissions for all aircrafts by 2020. The research findings show that composites – alongside other technology and efficiency measures – should be part of the solution to achieve this target.

Our seas are in trouble

Conservation attention is focused on land-living animals and plants. Overfishing, pollution, climate change and destruction of habitats are all putting the seas at risk but these risks are not being taken as seriously as concerns for the loss of terrestrial animals and plants. Using the most comprehensive conservation data available for both marine and non-marine organisms, research led by Dr Tom Webb (Department of Animal and Plant Sciences) has shown that 20 to 25 per cent of the well-known species living in our seas are now threatened with extinction – the same figure as terrestrial plants and animals. Funded by the Royal Society, the project forms part of a broader programme of study challenging the traditional division between marine ecology and ‘mainstream’ ecology, the notion that marine systems are somehow fundamentally different from terrestrial systems, and that this demands separate research approaches.


Conversation Analysis used to improve dementia diagnosis

A study led by Professor Markus Reuber (Academic Neurology Unit) is the first in the world to use Conversation Analysis as a diagnostic tool when distinguishing between dementia patients and those with other memory problems. The research could help GPs distinguish between people with early-stage dementia and those with memory concerns related to mood or anxiety-related problems. Patients experiencing memory concerns but who are unlikely to develop dementia often suffer with low mood, anxiety and depression. These conditions are all treatable when identified, and simple interventions such as reassurance, talking treatments or medication may help. Conversation Analysis of the conversations between patients and the neurologist revealed that there are two distinct conversational profiles for patients with dementia and those with memory concerns unrelated to dementia. The conversation becomes a kind of examination of signs of disease. The use of this technique may allow GPs to better select patients who they refer to memory clinics.

Visit www.sheffield.ac.uk/neuroscience/research

Toolbox for school meals

The School Food Self-Evaluation Toolbox has been developed by Dr Caroline Sarojini Hart (School of Education) to help schools implement new food standards. The online guide follows a year-long study of lunchtime and food practice at schools across Sheffield. The downloadable resource and a research report, Creating Tools for Practice: food and the self-evaluating school, can help schools review and develop practice in relation to the goals of the national School Food Plan. The toolbox helps schools identify features of good practice that already exist and develop short-, medium- and long-term plans to make conscious small steps towards further improvement. The study found that there are many simple strategies that can help and guide pupils’ food choices in a positive way, such as positioning salad bars in the centre of the dining room. The report recommends a systematic approach to evaluating and developing food practices, involving the whole school community.

Visit whatworkswell.schoolfoodplan.com and search ‘Sheffield’.
I spent a very formative period of my life here at the University.
Sir Peter Middleton GCB (BA Economics 1955, Hon LittD 1984) retires as Chancellor of The University of Sheffield in summer 2015. Here he reflects on this role and his memories of student life in the 1950s.

What has it meant to you to be the figurehead of the University since 1999?
It has been a tremendous honour and privilege to be Chancellor. I was born and grew up in Sheffield and I spent a very formative period of my life here at the University. So, to have become its Chancellor has meant a great deal to me.

What have been the main highlights of your time as Chancellor?
Oh – there have been so many. Meeting so many interesting people and awarding degrees to our students. The Queen's visit in November 2010 to open SITraN (the Sheffield Institute for Translational Neuroscience) was a particular highlight because the University's research into motor neurone disease and Parkinson's disease is of international significance. The Queen first visited the University in October 1954 – and I remember this visit because I was a student then and saw her. So it was rather symmetrical to have been a student waving in 1954 and to be the Chancellor greeting her in 2010.

How important are alumni to the University?
They are of great significance. At congregations, I make a point of telling the new cohort of graduates just how important being part of the alumni family is. It is an invaluable global network of people who share a common bond and who hold Sheffield close to their heart. There is also so much that alumni can do to help today's University – from giving career's advice to mentoring students or helping to fund a scholarship.

Can you compare the University now to when you graduated in 1955?
In many senses it is a totally different place. In the 1950s, it was small and its students came from the UK, with many local students coming from Yorkshire. Today, students come from all over the world – from over 120 countries – and it is ten times as big. The world has become much smaller and the technological changes have been dramatic. Mind you, even with little computers my generation still managed to put a man on the Moon!

Do you have strong memories of your time as a student?
Well, I always get a quiver of excitement when I go by Firth Hall. This was where I first heard the great pianist Denis Matthews perform Mozart – and it was wonderful. In the 1950s, Sheffield did attract some great performers. I loved music a great deal as a student and would sometimes go down to London and then catch the last train – the milk train, no less – to get back to Sheffield for the next morning's lectures.

What single piece of advice would you give to your first-year self if you were able to go back in time?
As a student at Sheffield I started reading geography and I then switched to economics. So, my advice would be that you don't have to assume that you must follow what you start with. Universities allow a little flexibility – and being flexible and adapting to change is a good rule for life.

And what piece of advice would you give to your successor as Chancellor?
Keep close to the Development, Alumni Relations & Events office: they will always have time for you. It is important to be available to help the University – especially in London where so many of our alumni work. Make the most of your time as Chancellor. And when shaking hands with graduating students – watch out for those with firm grips and lots of rings!

See page 28 for an introduction to our new Chancellor, The Right Hon Lady Justice Rafferty DBE.
Driven by a need for flexibility and adaptability, today’s economy needs graduates with enhanced skills who can think on their feet and be innovative in a global environment.

An inspiring outcome of such an enterprising, ‘can-do’ attitude is Mopp, the brainchild of two Sheffield alumni. Their online cleaner booking site, which was the subject of a multi-million-pound sale in 2014, received support and funding from University of Sheffield Enterprise (USE) during its set-up phase.

London-based Mopp was snapped up by US firm Handy just 18 months after its launch and is the international hub for Handypa, providing professional home cleaning and handyman services in 28 cities around the world. Tens of thousands of jobs are completed each month in London alone through the Handy website and app (www.handy.com, which now includes the Mopp brand). Pete Dowds (LLB Law 2007, PgDip Legal Practice 2008) and Tom Brooks (BSc Economics 2007) met on their first day as undergraduates. They came up with various (“usually crazy”) business ideas during their studies and also when they went on to work in the City of London (Pete as a corporate lawyer and Tom as a commodities’ trader). Mopp was born when they failed to find a cleaner following a particularly messy house party and they realised there was huge potential in the cleaning business.

“We found out about funding from the University when a friend of mine got a similar grant from USE,” explained Tom. “The team were excellent at providing support as well as financial aid. It’s always a huge help to have people believe in you from the get-go.” As recent graduates, the duo were able to apply for a University proof of concept grant, which allowed them to move away from the kitchen table and into shared co-working space. They also entered the University’s Enterprising Ideas competition in 2013 and made it to the final.

Pete said, “I would recommend anyone with a solid idea to give it a go. The competition gave us a chance to gain much-needed exposure early on. It was also great for meeting like-minded entrepreneurs – providing a sounding board for trying out new ideas. It’s a fantastic thing to be inspired by other people’s passion.”

The duo’s energy and commitment to Mopp resulted in them securing seed investment from a European venture capital fund. In less than two years, the business has well and truly taken off. Their philosophy? “We admire the brands that move fast and innovate to improve the customer experience. Additionally, we really care for our employees, in particular our cleaners who are the beating heart of the business.”

Back on campus, developing such enterprising abilities enriches both students’ educational experience and their career prospects – enabling them to manage workplace uncertainty and flexible working patterns and careers. This ethos is embedded in the University’s drive to transform the curriculum across all disciplines by integrating enterprise education. The USE Academy is delivering this activity, by helping those who teach at any level to develop their students’ skills through course modules where they can work on real projects with real clients.

Dr Ali Riley (BA Archaeology 2007, MA European Prehistory 2008, PhD Archaeology and Prehistory 2013), one of three Enterprise Learning Development Officers, explained, “When students can see the potential and real impact of their enterprising actions, their learning is so much deeper. These capabilities will help them whatever path they choose in life.” And introducing them to such successful enterprises as Mopp is providing plenty of inspiration for what’s possible beyond University.
It’s a fantastic thing to be inspired by other people’s passion.”

Tom Brooks (left) and Peter Dowds

National winner

The USE Academy was named Enterprise Educator of the Year at the National Enterprise Education Awards 2014.

Got a bright business idea?

USE’s First Steps seed funding is open to all graduates from the last five years – you may be eligible for a grant of up to £1,250 to get your business idea off the ground.

USE also offers one-to-one coaching for business start-ups and the possibility to access incubation space at the University, which is free for six months upon successful application.

Call 0114 222 4044 or visit enterprise.shef.ac.uk for full details.
Community and Communication

Sharing the goal of energy, food and water security.

The University of Sheffield is developing a worldwide profile for its commitment to taking a leading role in international debates about sustainability – how we create and maintain the conditions under which humans and nature can exist in productive harmony. A major donation of £2.6 million by the US-based Grantham Foundation for the Protection of the Environment has now established the Grantham Centre for Sustainable Futures, which is connecting the science of sustainability with policy debate and advocacy.

“This donation has given us permission to come out from under the academic carapace,” explained Professor Tony Ryan OBE, Pro-Vice-Chancellor – Faculty of Science and Director of the Grantham Centre. “In addition to the design and delivery of solutions for sustainability challenges, we are engaged in policy and opinion-forming, providing evidence-based views of what the world should look like in the context of a sustainable future.”

The first cohort of 11 Grantham Scholars started their interdisciplinary PhD research projects in October 2014. They combine outstanding intellect with a strong commitment to public engagement, leadership and action, and are supported by a unique training programme, designed to equip them with the skills to become policy advocates and leaders. Monica Ortiz is from the Philippines and her PhD focuses on the impact of climate change on crop yields in Europe. She said, “The project I applied for at the Grantham Centre appealed to my interest in interdisciplinary work on food security and climate change. I really enjoy being one of the first Scholars. This is an opportunity to make a difference with like-minded colleagues who I think will be my future research partners and collaborators.”

James Thackery, whose PhD – The Big Seed Sunshine Project – concerns increasing seed yields in crops, commented, “All PhDs will teach you to communicate with your academic peers, but today this is often not enough, and researchers must be able to tell the public how their work can help. Grantham Scholars are trained in communication with both the public and with each other. In a sense we are learning several dialects, and it forces you to reconsider what you think is ‘basic knowledge’.”

Professor Colin Osborne, Associate Director of the Grantham Centre, added, “All our Grantham Scholars take part in a weekly Journal Club, and our online blog gives them the opportunity to introduce topics to a wide audience. These provoke a great deal of debate and include subjects such as gender, climate change and food security, and a hearing of the Fabian Commission on Food and Poverty held at the University. Our Scholars are incredibly enthusiastic about this type of engagement.

“We are going on this journey together – professors, lecturers and PhD students. We are all taking part in training in how to engage with parliament, provided by the University’s Crick Centre for the public understanding of politics, and we are all actively involved in discussing the strategy and direction of the Grantham Centre. It’s exciting to look forward to the next cohort.”
of Grantham Scholars joining us later this year and seeing how they contribute to our work.”

The scope of the Centre's work is expanding across the University. Academics from all faculties – Arts and Humanities, Engineering, Medicine, Dentistry and Health, Science and Social Science – are now involved in PhD supervision. “We are becoming part of the University’s core business,” Tony said. “Energy, food and water security are being discussed across the campus, not just the science and engineering issues but also the cultural, political, health, management and philosophical issues.

“The Grantham Foundation recognised that what we are doing has transformed the research landscape of the University. We’re not only working on the technical solutions but also looking at playing a leading role in providing policy advice on a national and international level – all based on solid evidence. I am delighted that the Grantham Foundation is supporting the next generation of researchers who will become the leaders of tomorrow and make sustainability a reality.”

£2.6 million donation is the largest individual gift from an alumnus in the last decade
Jeremy Grantham (BSc Economics 1961, Hon DSc 2012) and his wife Hanne established the Grantham Foundation for the Protection of the Environment in 1997. The Foundation supports a wide range of projects, charities and organisations worldwide, funding communication and collaboration in environmental protection, with an emphasis on climate change.

For more information, visit www.granthamfoundation.org

Energy 2050
The University is also bringing together international scholars, industry experts and government officials to form the pioneering Energy 2050 initiative, which will tackle the energy crisis through research and innovation. Visit www.sheffield.ac.uk/e2050

Find out more
Visit grantham.sheffield.ac.uk for full details of the research projects undertaken by the Grantham Scholars.
Be Bold and Think Radically

One of the world's leading commentators on global economics, Lord O'Neill (BA Economics 1978, MA Economics 1980, Hon LittD 2014) discusses his move from the world of international finance to that of public policy.

Since retiring as Chairman of Goldman Sachs Asset Management in 2013 you have been chairing the City Growth Commission for the Royal Society of the Arts and the Review on Antimicrobial Resistance for the government and the Wellcome Trust. How have you found this change of focus?

It has been enormously stimulating. The pace is less frenetic than finance and that has been very refreshing, as it has given me the chance to think more deeply and boldly about a couple of important issues facing all of us.

The final report of the City Growth Commission is certainly radical. If it was implemented fully it would lead to significant devolution of decision-making to our city regions. Do you think that could ever happen?

In the view of the Commission it has to happen if we want to maintain the UK’s economic growth and see its fruits shared more evenly across the country. The UK only has one city that ranks on a global scale and that is London. We concluded that doesn’t have to be the case if we can get our existing city regions outside London to work together to get the benefits of what we called ‘agglomeration’. Decision-makers at the city-region level need more economic and planning levers to pull rather than being dependent on those in Whitehall.

You have also said that local politicians and decision-makers need to think bigger and more radically. What does that mean?

They are going to have to work across traditional city and regional boundaries. The Commission has challenged local decision-makers to get out of their comfort zones. I am very pleased that Manchester is rising to that challenge through the Greater Manchester Combined Authority, and we have already seen how central government has begun to respond by promising greater devolution of powers. Let’s hope that politicians across South and West Yorkshire, for example, might follow their example and indeed improve on it. The challenge would then be to get these larger city regions to work together to create what the media have called a ‘Northern Powerhouse’.

What role should universities play in all this?

They are already engines of local and regional growth but could do more. I have been tremendously impressed by my conversations with Vice-Chancellor Keith Burnett. He has a compelling vision for building a corridor of high-value manufacturing excellence along the M1, based on the work of the AMRC [The University of Sheffield Advanced Manufacturing Research Centre with Boeing] and the partnerships that it already has with industry. Keith also understands that this can be done without any dilution of the University’s research and teaching excellence, and its ability to attract students of the highest calibre from within the UK and internationally.

Let’s turn to the Review on Antimicrobial Resistance. You are an economist, not a scientist. Were you surprised to be asked to chair this review?

Yes, I was. But as I began to understand that the issues that we need to tackle are as much to do with the way that markets and individuals behave as they are to do with science, the skills and perspectives of an economist turned out to be very relevant.
The Review is on-going but you have already published two papers. Where have they taken you in your thinking?
The first paper analyses the impact of the growth in drug-resistant infections globally. The initial modelling that our consultants and advisers came up with was pretty worrying. Without action, we estimated that there would be around 10 million deaths a year from antimicrobial resistance in 2050 (compared to 8 million from cancer). Translating that into economic terms, our broad-brush estimates suggest a global GDP loss of US $100 trillion.

Equally dramatic is the medical impact of growing antimicrobial resistance on current medical procedures that we often take for granted. Organ transplants, cancer treatments, joint replacements and caesarean sections, for example, are all dependent on effective antibiotics to ensure their safety. Add to that the threat to the advances that have been made in treating diseases such as TB, malaria and HIV in the developing world and you can see why this is a global problem that cannot be ignored.

What can we do about such a challenging problem?
This is a global problem and our second paper outlines some of the key areas in which action needs to be taken. As an economist would say, it is all a matter of supply and demand and the imbalances between them. On the supply side, we need to do more to incentivise new antibiotic discoveries. Finding ways to increase investment by both the public and private sectors is very high on our list of priorities for the final report in the summer of 2016.

As well as finding new drugs, we also need to find ways of using existing and new drugs more effectively and having the data to recognise more rapidly emerging resistance so that we can respond appropriately. That means developing much greater understanding about how to target antibiotics, and for antibiotics to be prescribed with greater care and discrimination. Medical science has a critical role to play here, but we also need to raise public awareness and change the behaviours of patients and doctors. In my view, those changes need to be a key focus for health authorities and governments across the world.

You once said that you are a ‘dirty economist’. Is that still true?
I meant that I am someone who applies the tools and ways of thinking that I learnt during my degree studies through active participation in the day-to-day operation of markets and the economy as a whole. Economists got a pretty bad press after the financial crash (some of which was well-deserved) but the basic understanding that a good economics degree imparts remains highly relevant to tackling some of the larger problems that face our world. I hope today’s economics graduates will do as I did; roll up their sleeves and get ‘dirty’.

Career Highlights
Following his appointment as Commercial Secretary to the Treasury in May 2015, Lord O’Neill has a specific remit to address the challenge of productivity in the UK economy. He is helping to deliver what is being called ‘the Northern Powerhouse’, driving economic change to increase exports and international partnerships, create jobs and open up educational opportunities for young people.

He started working in the City of London in 1982, for Swiss Bank Corporation, Marine Midland Bank and Bank of America. He joined Goldman Sachs in 1995, where he became the bank’s Chief Economist and then Chairman of Goldman Sachs Asset Management. He is the creator of the acronym BRIC – referring to Brazil, Russia, India and China – and has conducted much path-breaking analysis about these and other emerging economies.

Lord O’Neill is one of the founding trustees of the UK educational charity SHINE. He chairs the Economic Advisory Panel of the Greater Manchester Local Authority. He holds an Honorary Chair of Economics at the University of Manchester, and is also a Visiting Research Fellow at the international economic think tank, Bruegel, and a member of the Economic Advisory Board to the IFC, the investing arm of the World Bank.

On 28 May 2015 Jim O’Neill was raised to the peerage as Baron O’Neill of Gatley.

Visit www.citygrowthcommission.com and amr-review.org for details of the two reviews mentioned in this article. See page 24 for news of the University’s long-term research into infectious diseases. To see the full version of the interview, visit www.youruniversity.group.shef.ac.uk/features/be-bold-and-think-radically/
Cliff Denton and Eric Stones are putter-togetherers, craftsmen skilled in the techniques and art of putting scissors together. They work at Ernest Wright and Son, a family-owned scissors manufacturing company on Broad Lane, Sheffield. They are now known worldwide, thanks to a remarkable video by local filmmaker and photographer Shaun Bloodworth, which has been the catalyst for a resurgence in interest in their amazing skills.

The video, *The putter*, was commissioned by Storying Sheffield, an innovative art and community project based in the University’s School of English, which is collecting stories of the lives of Sheffield people and the city itself. One strand of the project is Steel Stories, a series of vivid portraits and narratives of the steel industry. Shaun wanted to capture the putters on film as he was interested in the “tiny little movements and millions of adjustments” they made to produce scissors. He contacted managing director Nick Wright, who was keen to get involved, despite the fact that the company was on the point of closure due to lack of demand for high-quality, traditionally hand-finished scissors.

Once Shaun had finished editing his video, he uploaded it on to his website. Then the magic happened. It went viral. “I don’t know how it grew,” he said. “Somehow it got on to the Reddit website and everyone went bonkers. The American online newspapers picked it up and the video attracted a huge audience.” Previously, on a good day, Nick would receive three online orders; the day after the film went online, he received 300. Then BBC Worldwide featured the company and the interest rocketed further – a year’s worth of orders in just one day. This momentum has continued and Nick has reinstated two staff members and now employs three apprentices, all learning the skills of a putter-togetherer from Cliff and Eric. “Touch wood, the video has saved the company,” Nick said. “We’ve shown the world that Sheffield still makes quality goods.”

Cliff Denton, a skilled putter-togetherer.
Resistance to antibiotics is a “ticking time bomb”. This stark warning from Chief Medical Officer Dame Sally Davies (Hon DSc 2008) highlights the fact that modern medicine faces a constant threat from pathogens – bacteria, viruses and parasites. To tackle this global issue, The University of Sheffield is supporting long-term research activities in areas where it is already recognised as world-leading and in newly emerging specialities to keep one step ahead of the bugs.

Two flagship projects under the University’s 2022 Futures initiative – the Florey Institute for Host-Pathogen Interactions and Imagine: Imaging Life – aim to provide both the multi-stranded research expertise and the technology needed to address some of the key challenges of infectious diseases. Teams from the Faculties of Science and Medicine, Dentistry and Health are working together to create a critical mass of people and technologies, all focused on pushing the boundaries of current biological understanding.

The Florey Institute is researching how infectious microorganisms interact with the human body to cause disease with the aim of developing new approaches to tackle two major bacterial pathogens, *Streptococcus pneumoniae* and *Staphylococcus aureus*, which cause the deaths of millions of people across the world each year, with at least half that number being children aged under five. Imagine is facilitating the development and application of novel biological and medical imaging approaches to provide new insights at magnifications never previously possible. This project is combining and harnessing key advances in three microscopies – optical, electron and atomic force – enabling researchers to delve deeper into the internal architecture of complex biological systems.

The University is aligning new and existing resources behind Florey and Imagine. The project leaders are planning beyond a ten-year cycle about how they are going to research the challenge and make recommendations for healthcare practice.

As Professor David Dockrell, clinician, consultant and co-director, explained, “We aren’t starting from scratch. We are building on existing expertise at Sheffield – both at the University and the NHS Trust – and we are carefully targeting our ongoing recruitment strategy. For example, clinically qualified research scientists are hard to find and we are putting

*Left and right: Images of Staphylococcus aureus, produced by the team of the Florey Institute for Host-Pathogen Interactions.*
Understanding Disease

a lot of effort into attracting the right people who complement and expand our key areas."

A major impetus behind the projects is training – training the next generation of research scientists. Professor Simon Foster, molecular biologist and co-director, commented, "We want our PhD students and young researchers to think across disciplines. It’s taken a while for clinicians, physicists, chemists and biologists to talk to each other and understand each other, but it’s now happening. The next 10 to 15 years will be very exciting. It’s a self-fulfilling process. As we develop a critical mass of expertise, we will attract the best staff and students to Sheffield – both postgraduate and undergraduate – the people who are the future of research."

Research is increasingly an international exercise. "Science shouldn’t be a competition," added Simon. "It’s about finding things out, so we’re setting up and fostering links with key institutions around the world so we can complement each other. We already collaborate across the disciplines from medicine, through to physics, chemistry and biology, and we’re establishing global strategic alliances so that our students can access expertise in Europe, the US and Australia – and in turn we will receive students from our partners at critical points in their own research endeavours."

Addressing antibiotic-resistant disease requires time – time to develop the technologies, the expertise, the research protocols and the strategic investment. The approach taken by Florey and Imagine is allowing researchers to follow lines of enquiry as the science dictates – with the long-term aim of benefiting us all. "We don’t know why one person will get sick with an infection when they’re in hospital," David said. "It’s understanding why that will allow us to tackle antibiotic resistance by preventing infection through vaccination, through developing new antimicrobials and also targeting the body’s own defences to limit reliance on antimicrobials."

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Find out more

**The Florey Institute for Host-Pathogen Interactions**

Named in memory of Lord Howard Florey, Professor of Pathology at the University 1932–35, who received a Nobel Prize for demonstrating the therapeutic potential of penicillin.

[www.sheffield.ac.uk/florey](http://www.sheffield.ac.uk/florey)

**Imagine: Imaging Life**

[www.sheffield.ac.uk/imagine](http://www.sheffield.ac.uk/imagine)

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**Major investment**

Close to £10 million has been invested to date in the Florey and Imagine projects by the University, the Biotechnology and Biological Sciences Research Council, the Medical Research Council, the Wellcome Trust and the Wolfson Foundation.
A Huge Boost in Confidence

*City Connections brings alumni and students together to discuss careers and the benefits of skills’ development.*

“City Connections provided me with a unique opportunity to reconnect with the University and share my own professional experiences with students from my old department.” This is how Tom Popple (BA Geography 2007), the business development manager of the CarbonNeutral Company, reflected on his experience of attending this event – the first of its kind organised by the University. Forty students travelled to London and spent a day visiting four companies and networking with 40 Sheffield alumni.

A collaboration between the Faculty of Social Sciences’ Outreach team and the Alumni Volunteering Manager, City Connections provided the students with the opportunity to develop skills, build confidence and gain insights into different business sectors and organisations. As well as taking part in practical workshops in innovation, application skills, business structures and case study exercises, they attended an evening networking event hosted by accountancy group KPMG. Here the students were joined by the alumni – from a range of subjects and graduation years and all working in London – who had generously given their time to share their career experiences.

The majority of the students are in their second year of study, and underwent a selection process to secure their places. They are all from backgrounds that are under-represented in higher education, and the majority receive financial support and are also the first in their family to study at university. They were required to describe their motivations for applying to attend the event, and were assessed for their lack
of access to work experience in London, career networks and contacts. Five had not visited London before. The successful candidates were briefed on the businesses and alumni involved at a pre-event workshop at the University, where they were also given advice on networking and how to make the best of the day.

The schedule was fully packed with visits to four very different businesses, whose involvement was provided by alumni who hold senior positions with each one: Lauren Dooley (Dip Town and Regional Planning 2000) is an Associate and Gareth Capner (BA Town and Regional Planning 1968, MA Town and Regional Planning 1970) is a retired partner at Barton Willmore, the UK’s leading integrated planning and design consultancy; Roy Jeans (BA English 1979) is CEO of Grey Scorpion and Advisor to Brilliant Basics, a global design and product studio; Christine Elliot (BA Law 1976) is CEO of the Institute for Turnaround, Europe’s leading representative body for accredited turnaround and transformation professionals; and Mike Barradell (BEng Control Engineering 1992) is a partner at KPMG.

The students are unanimously positive about their City Connections experience. Alice Beazer, a Human Geography student, said, “The event has made me a lot more reflective and inquisitive, and opened my eyes to the opportunities which are there for the taking after graduation.” And Dominic Shepherd, an Economics student, added, “It was networking with Sheffield alumni, hearing their stories, which gave me inspiration and confidence, but also seeing the actual workings of different companies and how my degree can fit in with several sectors.”

Professor Paul White, Deputy Vice-Chancellor, who introduced the evening event, commented, “The most moving thing was listening in on the conversations between our alumni and the students – the former keen to provide useful advice to those starting out on careers, the latter motivated to derive every bit of wisdom and experience from the opportunity. There was a real buzz in the air, and I am sure that everyone involved set off for home with a feeling that something special was organised to bring key elements of The University of Sheffield ‘family’ more closely together.”

There was a huge sense of pride in the University and a fantastic level of energy and engagement throughout the day. Many thanks to everyone who took part in our first City Connections event.”

Emma Packham
Alumni Volunteering Manager

“It was inspiring being around young, energetic students who are at the very start of their careers and excited about the possibilities ahead.”

Lucy Crompton-Reid
(BA English Literature 1997)
Director of performance poetry organisation Apples & Snakes

“The day has calmed some of my fears I had about finding work after University and I feel I have a much better chance at securing a job now.”

Roseanna Gilfillan
Geography student

Interested in our volunteering opportunities?
Visit www.sheffield.ac.uk/alumni/volunteering for full details of how alumni can get involved.
Meet the New Chancellor

The University was delighted to announce that our new Chancellor will be alumna The Right Hon Lady Justice Rafferty DBE (LLB Law 1971, Hon LLD 2005). She takes on the role from Sir Peter Middleton GCB (BA Economics 1955, Hon LittD 1984), following his retirement in summer 2015.

What was your reaction when you were asked to become the University’s Chancellor?
Complete stunned silence. It was almost impossible to speak (and that’s a job I do for a living!).

How did you come to the decision to say ‘Yes’?
I knew immediately this was the biggest privilege. And I’ll be proved right. There will never be a greater one.

Have you kept in touch with developments at the University since your graduation?
I have always kept an eye on the University, especially the School of Law, and I tried to meet staff and students whenever I sat in Sheffield. I was very pleased when my daughter Ned (Edwina, BA Sociology 2005) decided to read a degree there. I was less pleased with my children when they redesigned my beloved Law Faculty scarf, which I had had since my undergraduate days, by putting it in the wash. Any ambitious doll or teddy bear need look no further, it will fit.

What does a University of Sheffield education give its alumni?
It teaches you to ask the awkward questions, and shows the difference made by passion and commitment. The University has its roots in nobility of purpose and somehow that becomes part of the individual.

What are you most looking forward to as Chancellor?
The academic hat and the Vice-Chancellor, not necessarily in that order. I have the highest regard for Professor Sir Keith Burnett and, as well as trying alongside him to add to the sum of our achievements, I stand the chance of learning from new people – students, staff, alumni, supporters of the University and the city of Sheffield. I’ve liked learning from any source, since I went to nursery school aged three and I won’t change now.

See page 14 for an interview with Sir Peter Middleton GCB.
Enjoy your perfect moment at the perfect venue

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The Alumni Board has been created to support, advise, monitor and comment on the effectiveness of the University’s alumni engagement programme. Our first chair, Richard Mayson (BA Geography 1983), introduces this new development in alumni relations.

I take great pleasure in writing this as the first person to chair The University of Sheffield Alumni Board. The establishment of the Board is one of the most far-reaching changes in alumni relations since the University was founded in 1905. Ever conscious of the global success of the University and the growing number of alumni, the Board will work alongside Development, Alumni Relations & Events (DARE) to help develop alumni engagement worldwide and feed into the University’s overall strategy.

We aim to be a representative body, reflecting the diversity of Sheffield alumni in terms of age, gender, academic discipline, ethnicity and geography. Under the Alumni Charter the term ‘alumni’ applies to graduates of The University of Sheffield and those who have spent a semester (or the equivalent) at the University and wish to keep in touch. As well as Sheffield alumni the Board also includes representation from among current academic staff and students in order that we maintain a strong current link to the University and its activities.

If, like me, you have fond memories of your time at The University of Sheffield please get in touch with DARE. If you feel able to contribute to the University, as a volunteer, as an ambassador or financially to help our current students, we would like to hear from you. The University and the city have almost certainly changed since you left Sheffield and we always welcome alumni to take a guided tour of the campus. Alternatively come and attend one or more of the events listed on pages 34–35 where you are certain to meet fellow alumni.

As Chair of the Alumni Board I am very happy to hear directly from fellow alumni at alumniBOARD@sheffield.ac.uk

I hope that we can help you continue to make the most of your University.

Richard Mayson
Chair of Alumni Board

Visit www.sheffield.ac.uk/alumni/alumniBOARD to find the Alumni Charter and minutes of Board meetings. Here you will also see biographies of Board members.
In Profile
Exploring the diverse group of people associated with The University of Sheffield.

Naser Taher
BEng Mechanical Engineering 1976, MEng Mechanical Engineering 1977, CEO and President of IKON Group, Honorary Chief Financial Advisor to the Chinese Government of Tianjin

Naser Taher has developed a successful career in the international financial sector, particularly in the foreign exchange markets. He has built the IKON Group, based in Hong Kong, to be one of the top online financial trading companies in the world.

“I moved to China in 2002 to set up businesses and projects in the online financial trading industry. I quickly learnt the culture and local practices required to conduct business the Chinese way, and in turn developed the IKON Group to be the market leader in online financial trading worldwide. It’s a very exciting time to introduce the technology that China needs to compete on an equal footing with Western countries. My vision is to build the first forex (foreign exchange) exchange in China, to rival Reuters and Bloomberg. China has the largest financial reserves in the world – and the forex expertise of the IKON Group puts us in an outstanding position to succeed in this country.”

Visit www.ikonfx.com for details of the IKON Group.

Dr Fay Hield
PhD English Cultural Tradition 2010, Lecturer in the Department of Music, The University of Sheffield

Ethnomusicologist and singer Dr Fay Hield has a passion for combining live performance and the rich heritage of English folk and traditional music. The BBC Folk Singer of the Year nominee finds the concept of what music means to people endlessly fascinating, and loves the experience of bringing music-making to wide audiences.

“I have organised, made and thought about music to varying degrees my whole life, and now it has miraculously all come together as a career. I’m in the great position where I can mix the performing side with developing the presence of folk music in academia. The Music Department embraces the best in old and new classical, world and electronic styles, and I enjoy thinking about and creating music in this environment. The Full English project was a fantastic combination of research and performance. I was commissioned by the English Folk Dance and Song Society to write new music and arrangements inspired by their online archive of English songs, dances, tunes and customs. With the support of a great group of musicians, it ballooned into the award-winning Full English album and tours.”

Explore the Full English archive at wwwefdss.org and find news of Fay’s latest album at www.fayhield.com
Professor Alan Walker
CBE, FBA, FRSA, FAcSS

Professor of Social Policy and Social Gerontology and Director of the New Dynamics of Ageing Programme in the Department of Sociological Studies, The University of Sheffield

A world leader in the study of ageing, Professor Alan Walker has received numerous awards for exemplary research and impact on social policy. In 2014, he was appointed CBE in the Queen's Birthday Honours, named Impact Champion of the Year by the Economic and Social Research Council, and presented with a Lifetime Achievement Award by the University’s Faculty of Social Sciences.

“It was serendipity that I came to Sheffield in 1977. When I met the two professors in the department, Eric Sainsbury and John Westergaard, both of whom were strongly committed to social justice, I knew this was the right academic setting for me. I have always appreciated the commitment to social sciences at Sheffield and the strong links between town and gown. This year will see the award of my 50th PhD and I am immensely proud of every one of them. Postgraduate students are a vital part of my work and life. They bring not only enjoyment but also constant intellectual stimulation and friendship. My ex-students occupy senior academic and other positions in various countries, and those in China and East Asia are like an extended family to me.”

Visit www.sheffield.ac.uk/socstudies/staff/staff-profiles/walker for details of Alan’s research programmes.

Georgette Mulheir
BMus Music 1991
Chief Executive, Lumos

Named as one of the 30 most influential social workers in the world by the Social Work Degree Guide website, Georgette Mulheir leads Lumos, the charity established by JK Rowling to help children in institutions worldwide regain their right to a family. She is currently advising the European Commission on the reform of children’s services across the European Union.

“Lumos was established to address the issue of the institutionalisation of children. I had been working on this for 15 years and Lumos was an opportunity to make an impact, eventually, on the lives of millions of children. In institutions and so-called orphanages – so-called because the majority are not orphans – neglect, lack of stimulation and engagement, and sometimes extreme stress can have a profoundly negative effect on children’s development. Together with our many partners, we promote a model of ‘deinstitutionalisation’, which promotes community-based services that keep children where they belong, and have a right to be. Ten years from now, we will have put infrastructures in place, globally, to demonstrate that it is possible for all children to be raised in families, included in their communities, giving them the opportunity to develop to their full potential.”

Visit wearelumos.org for the latest news about Lumos.
### Annual Alumni Reunion

**Saturday 10 October 2015**  
**The Mandarin Oriental Hotel, San Francisco, CA**  
All Sheffield alumni in the US are invited to the annual American reunion. Email [helen.rey@sheffield.ac.uk](mailto:helen.rey@sheffield.ac.uk)

### Alumni Fund Celebration Event

**Wednesday 21 October 2015**  
**Firth Hall**  
This is an opportunity for students and staff to say thank you to our supporters in person and connect with the wider University community. Email [l.arnold@sheffield.ac.uk](mailto:l.arnold@sheffield.ac.uk) or call 0114 222 5598.

### Heritage Circle Lunch

**Friday 30 October 2015**  
**On campus**  
A special lunch served in the magnificent Firth Hall for those alumni who are interested in leaving or have left a gift in their Will. Email [d.meadows@sheffield.ac.uk](mailto:d.meadows@sheffield.ac.uk) or call 0114 222 1073.

### Alumni Reunion and Lecture

**November 2015 (date TBC)**  
**On campus**  
A mid-week evening event for alumni living in Sheffield and the surrounding area, showcasing current research taking place at the University. More details to follow.

### American Alumni Reunion

**Saturday 12 September 2015**  
**On campus**  
Join us for the Annual Alumni Reunion in September. This year, celebrations will focus on the anniversary years for the classes of 1990, 1985 and 1975. See box below for more details.

### Pop Tarts Reunited

**Saturday 12 September 2015**  
**On campus**  
Relive all your best memories from your University days at the one-and-only alumni Pop Tarts Reunited! All Sheffield alumni are invited back to Bar One for a night of pop pleasure.

### Sheffield Medical School Class of 1995 Reunion

**Saturday 3 October 2015**  
**Mercure St Paul’s Hotel, Sheffield**  
Members of the class of 1995 from the Medical School are organising their own black-tie reunion. Email [yearof95reunion@gmail.com](mailto:yearof95reunion@gmail.com)

### Alumni Sports Day

**Saturday 19 March 2016**  
**On campus**  
Come back to Sheffield for the annual sports day and take on fellow alumni in a variety of sports. Email [g.unwin@sheffield.ac.uk](mailto:g.unwin@sheffield.ac.uk) or call 0114 222 6966.

### Sheffield Alumni Pub Quiz

**April 2016 (date TBC)**  
**London**  
Pit your wits against fellow Sheffield alumni at our fourth London pub quiz. Who will take home the 2016 trophy?
Alumni News

Please visit our Reunion and Events pages online at www.sheffield.ac.uk/alumni/events to find a full calendar of events; for further details email alumni@sheffield.ac.uk

Many of our events are advertised by email so please ensure we have your up-to-date email address if you wish to be invited. If you do not have access to the internet or email and would like to be informed of our alumni events, please call 0114 222 1079 and we will add you to our events’ mailing list.

Alumni Volunteer ‘Thank You’ event
June 2016 (date TBC)
On campus
A special event in recognition of all our alumni volunteers and their contribution over the past year. Email ej.packham@sheffield.ac.uk

Reunion Luncheon for the classes of 1956 and 1966
Saturday 18 June 2016
On campus
Alumni celebrating special anniversaries of 50 and 60 years since graduating are invited back to campus for this special event. Invitations will be sent out in the New Year to all those from these class years for whom we have contact details.

Former Staff and Friends event
July 2016 (date TBC)
On campus
A special event for former staff members and friends of the University, to include the showcasing of current research and a drinks’ reception. More details to follow. Email jpeat@sheffield.ac.uk

Annual Alumni Reunion
Saturday 3 September 2016
On campus

Pop Tarts Reunited
Saturday 3 September 2016
On campus
Come back to Sheffield for a very special night; relive the best parts of your student days at Pop Tarts Reunited.

Exclusive Benefits for Alumni
Don’t miss out on the benefits of staying in touch with us.
- **Reunions and events** – exclusive invitations to events both on and off campus.
- **Free borrowing rights at the Library** – graduates with undergrad or higher degrees can apply for free membership of the library scheme, which enables you to borrow books from Western Bank Library, St George’s Library and the Health Sciences Library.
- **Postgraduate discount** – as a Sheffield graduate you can benefit from a 10% discount on tuition fees if you decide to study with us at postgraduate level.
- **International alumni loyalty discounts for further study** – rewards worth £1,000 per year of study are available for all University of Sheffield graduates and their siblings, spouses, and sons and daughters for all years of study.
- **Business support** – do you want to set up a business? Alumni can access University of Sheffield Enterprise and their free business services up to five years after graduation.
- **Careers advice** – continue to use the Careers Service and receive bespoke careers advice up to three years after graduation; all alumni can access myVacancies (shef.prospects.ac.uk) to search for jobs.
- **Discounted hotels and cottage hire** – enjoy a 10% discount with cottages4you and receive a discount at a number of hotels in Sheffield.
- **Inox Dine** – situated on Level 5 of the Students’ Union Building, Inox Dine is an independently run restaurant serving contemporary British food with an international twist and Sheffield alumni receive a 10% discount.
- **Wedding venue discount** – choose from four stunning wedding venues at The University of Sheffield, including Firth Court, and receive an alumni discount.

For full details of what is available to you, please visit www.sheffield.ac.uk/alumni/services

For some of these benefits you may need to show your Alumni Membership Card; if you haven’t received your card yet or need a replacement, please email alumni@sheffield.ac.uk or call 0114 222 5592.
Your Notes and News

1930s

Sir Alan Dawtry CBE, TD (LLB Law 1937, Hon LLD 2007) celebrated his 100th birthday on 8 April 2015.

1960s

John Cook (BEng Mining Engineering 1962) is President and CEO of Tormin Resources, Ontario, and has been appointed to the board of directors of the Midlands Mineral Corporation, Canada.

Gavin Bryars (BA Philosophy 1964) is a composer whose opera Marilyn Forever had its US premiere at Long Beach Opera in March 2015.

The University was saddened to learn of the death of His Excellency Dr Nicholas Liverpool (1934-2015) (PhD Law 1965, Hon LLD 2009), former President of the Commonwealth of Dominica.

1970s

Rt Hon David Blunkett (BA Politics 1972) stood down as MP for Sheffield, Brightside and Hillsborough in the General Election 2015, having been elected in 1987. He is a Visiting Professor in the Department of Politics.

1980s

Stephen Daldry (BA English Literature 1982, Hon LittD 2001) won the top prize at the Rome Film Festival with his film Trash.

Richard Hide (BA French 1982) is the Senior African Coffee Marketing Manager for Twin, a development charity working with coffee, cocoa and nut smallholders in 17 countries.

Richard Mayson (BA Geography 1983) received the Louis Roederer International Wine Feature Writer of the Year Award 2014 at a ceremony at the Royal Academy of Arts in London. (Also see page 30.)

Peter Baker (BSc Chemistry 1984) has been appointed Chief Inspector of Construction by the Health & Safety Executive.
We are always interested to discover what our alumni are doing now. Here is a small selection of news from people who have been in contact with us or who we have spotted in the media.

### 1990s

**Dr Chris Timperley** (BSc Chemistry 1991) is the capability leader for chemistry at the Defence Science and Technology Laboratory, Porton Down.

**Philip Cornwel-Smith** (BA History 1986) is an author and editor whose *Thai: Everyday Popular Culture* is a course book in universities across the world.

**Mike Barry** (BSc Chemistry 1988) is Director of Sustainable Business at Marks & Spencer.


**The 1980 edition of the Rag mag, supplied by Richard Mayson (BA Geography 1983).**

**The Sailing Club on Derwent Reservoir, photographed by Rachel Sherwood (BSc Genetics and Microbiology 1997).**

### 2000s

**Wayne Austin** (BSc Chemistry 1996) is the founder of Ceramisys, the Sheffield-based company which manufactures synthetic bone graft material ReproBone.

**Tim Hughes** (BA Economics and Politics 2000) is a co-owner of ionStar, a company which offers compliance support and advice across financial services.

**Dr Katie Edwards** (BA Biblical Studies 2001, PgCert Teaching 2004, PhD Biblical Studies 2008, PgDip Teaching and Learning in HE 2013) is the inaugural Director of the University’s Sheffield Institute for Interdisciplinary Biblical Studies.

**Eddie Izzard** (Hon LittD 2006) was named the Guardian Public Language Champion 2014 for his role in celebrating and raising awareness of language learning.

**Lu Zhong** (MA Landscape Design 2006) is the China Director for Sheffield-based Weddle Landscape Design.

**Dr Alex Baker** (MEng Mechanical Engineering 2008, PhD Mechanical Engineering 2014) and **Chris Rose** (MEng Mechanical Engineering 2009) are the founders of SentIntoSpace, a company which aims to make near-space exploration available to anyone.

**2010s**

**Dr Carl Fox** (MA Philosophy 2010, PhD Philosophy 2014) is a lecturer in the Inter-Disciplinary Ethics Applied Centre, University of Leeds, and won the Robert Papazian Essay Prize Competition 2014.

**Giulia Smith** (BSc Psychology 2011) and **Rosie Dean** (BA Journalism 2012) have set up a backpackers’ website, www.thetraveltrail.com.

**Nicole Froio** (BA Journalism Studies 2012) is a freelance journalist and editor based in Rio de Janeiro, Brazil.

**Dr James Robins** (MBChB Medicine 2012) was a member of a record-breaking crew which rowed across the Atlantic, from Gran Canaria to Barbados, in 43 days, 12 hours and 55 minutes.

**Damini Mahajan** (MSc Biological and Bioprocess Engineering 2013) and **Arjun Krishna** (MSc Biological and Bioprocess Engineering 2013) are co-founders of Naturlich Global Beverages, which has received start-up funding from the Indian Government.

**Badrul Hisham Burhanuddin** (MEng Mechanical Engineering 2014) cycled from London to Malaysia to raise funds for orphanages in Gaza.

**The Sailing Club on Damflask Reservoir, photographed by Rachel Sherwood (BSc Genetics and Microbiology 1997).**

www.sheffield.ac.uk/alumni
Jonathan Charlesworth (MEng Mechanical Engineering 2014), Christopher Hughes (MEng Mechanical Engineering 2014) and Andrew Morgan (MEng Mechanical Engineering 2014) have set up a company, exyo, with the aim of designing and implementing an all-terrain posterior walker for children, following their involvement with Engineers without Borders at the University.

Sam Matthews (BA Politics and Philosophy 2014), Tom Ramsay (BA Business Management 2014) and Sarah Murphy (BA English and Philosophy 2014) have established Twin Café, a social enterprise selling Nicaraguan coffee – profits are used to sponsor social projects in Sheffield and Estelí.

Lewis Yates (BEng Civil Engineering 2014) was named Student Employee of the Year 2014 by the National Association of Student Employment Services. He was a student caller for Development, Alumni Relations & Events.

A team of 20 staff, students and alumni took part in the Deloitte Ride Across Britain 2014 charity bike ride, from Land’s End to John O’Groats, and raised £44,000 towards hearing research at the University. This terrific fundraising effort was coordinated by the Development, Alumni Relations & Events office.

Alumni Honours
Birthday Honours 2014, New Year Honours 2015

Professor Graeme Barker FBA (Hon LittD 2014) Awarded a CBE for services to archaeology.

Professor Cary Cooper (Hon DSc 2011) Created a Knight Bachelor for services to social science.

Jim Dick (BSc Zoology and Physiology 1975) Awarded an OBE for services to youth development and business in Hull and East Yorkshire.

Christopher Earnshaw FREng, CEng, FIET, FRSA (BSc Physics 1976) Awarded an OBE for services to engineering and technology.

Christine Fyfe (née Ellis) (MA Librarianship 1976) Awarded an OBE for services to higher education.

Hilary Mantel (BJur Law 1973, Hon LittD 2005) Created a Dame for services to literature (also see page 33).


Dr Stephen Perrin (BA Psychology 1980, PhD Psychology 2001) Awarded an MBE for services to the cinema industry.

Dr John Symons (MEd Networked Collaborative Learning 2001) Awarded an OBE for voluntary service to people with cancer.

Rachel Wakeman (PgDip Art Psychotherapy 1998) Awarded an OBE for services to child protection.
Honorary Degrees

The University of Sheffield confers honorary degrees (or degrees honoris causa – as a ‘mark of honour’) on people who have given distinguished service or brought distinction to the University, the City of Sheffield or the region. Alumni who received honorary degrees from the University in 2015:

**Professor Pallab Bhattacharya** (MEng Electronic Eng 1977, PhD Electronic Eng 1978, Hon DEng 2015): Charles M Vest Distinguished University Professor of Electrical Engineering and Computer Science and the James R Mellor Professor of Engineering at the University of Michigan, and a world expert on compound semiconductors.

**Dr Andy Cave** (PhD English Cultural Tradition with Sociolinguistics 2002, Hon LittD 2015): a world-class mountaineer and award-winning writer.


**Professor Steve Peters** (MEd Medical and Dental Education 1999, PgDip Sports Injury 2008, Hon MD 2015): a consultant psychiatrist and an Undergraduate Dean at Sheffield Medical School; his Mind Management Programme has been successfully applied in a number of Team GB Olympic, Paralympic and professional sports.

**Rosie Valerio** (BA French 1979, Hon LittD 2015): a former Director of Human Resources at the University and instigator of the Portrait of a Woman project.

For further information on how to nominate someone for an honorary degree, please contact Claire Rundström, Head of Alumni Relations, email: c.e.rundstrom@sheffield.ac.uk

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DARE Update

We welcomed Robert Dufton to the post of Director of Campaigns in Development, Alumni Relations & Events (DARE) on 1 November 2014. He succeeded Peter Agar, who retired at the end of March 2015 following three successful years in developing this new role for the University. Robert is co-head of DARE with Miles Stevenson, Director of Alumni and Donor Relations.

Robert was previously a Senior Visiting Fellow in the Centre for Charity Effectiveness at the Cass Business School, City University. Prior to this he was Director of the Paul Hamlyn Foundation, where he led its transformation to become a leading strategic philanthropic organisation.

Vice-Chancellor Professor Sir Keith Burnett commented, "Robert's superb experience in philanthropy and fundraising, in particular within higher education, will be invaluable to us as we continue to build vital support for our work as a university deeply committed to making a difference in the world through our research and the support of talented students.

“I would also like to thank Peter Agar for his wonderful contribution as our first Director of Campaigns. Recent major gifts in areas such as ground-breaking medical research and environmental sustainability are in no small part due to him.”

www.sheffield.ac.uk/alumni
Honours and Awards

Staff and students from the University continue to be recognised nationally and internationally for their expertise.

Billy Clapham (Zoology student) was named Photographer of the Year 2014 by the Society of Biology for his image of a female blackbird entitled Suburban Mum.

Dr Rebecca Corrigan (Molecular Biology and Biotechnology), Dr Philip Elks (Infection and Immunity) and Dr Clare Howarth (Psychology) were awarded Sir Henry Dale Fellowships by the Royal Society.

Emeritus Professor Gillian Gehring (Hon DSc 2012) (Physics and Astronomy) is the subject of the first commissioned portrait of a woman to be hung in the University’s Firth Hall.

Dr Sarah Hsiao (Cardiovascular Science) was named Young Researcher of the Year by the European Society of Cardiology.

Emeritus Professor David Luscombe FRHistSoc, FSA, FBA (Hon LittD 2013) (History) was awarded the British Academy Medal for outstanding achievement.

Dr Paula Morris (English) was shortlisted for the Sunday Times EFG Short Story Award for her story False River.

Helen Mort (English, PhD student) won the Fenton Aldeburgh First Collection Prize at the Aldeburgh Poetry Festival 2014 for her collection Division Street.

Dr Hannah Lambie-Mumford (Sheffield Political Economy) received the Outstanding Early Career Impact award at the Economic and Social Research Council’s Celebrating Impact Prizes 2014.

Professor Claire McGourlay (née Corre) (PhD Law 2002) received a National Teaching Fellowship from the Higher Education Academy (also see page 31).

Students Umang Mehta (Aerospace Engineering), Jessica Ng (Management), Jonathan Paito (Law), Yee Ching Yong (Management) and Nayden Yurukov (Aerospace Engineering) won the IBM Universities Business Challenge 2015, coming top out of 298 teams.

Dr Allan Pacey (Human Metabolism) was made a Fellow of the Royal College of Obstetricians and Gynaecologists.

Bryony Page (Animal and Plant Sciences student) received the Chancellor’s Medal in recognition of her outstanding academic and sporting success. She won gold at the Trampolining World Cup 2013.

The Sheffiel Enactus team of student entrepreneurs were named Enactus UK National Champions 2014 and they were named Most Inspirational Team at the Enactus World Cup 2014, held in Beijing.

The University of Sheffield won the Outstanding Departmental Administration Team and Outstanding Library Team categories at the Times Higher Education Leadership and Management Awards 2014.

Professor Martin Thornhill (Clinical Dentistry) received the Distinguished Scientist Award for Oral Medicine and Pathology from the International Association for Dental Research.

Professor Alan Walker FBA, FRSA, FAcSS (Sociological Studies) received a CBE for services to social science. (Also see page 33.)

Dr Elspeth Whitby (PgCert Teaching and Learning for University Lecturers 2003, PhD Medicine 2007) was elected Vice-President, Education at the British Institute of Radiology.
The Professor Robert Boucher Distinguished Alumni Awards

These awards acknowledge the achievements of alumni who have made outstanding contributions to business and community life. They were established in memory of Professor Robert Boucher (Hon DEng 2009), the former Vice-Chancellor.

Award winner 2014
Lucy Prebble (BA English Literature 2002) was honoured for her outstanding achievements as a playwright. She is best known for her award-winning play Enron, which has been staged in Chichester, London and New York.

Award winner 2014
Susanna Chiu (BA Economics 1982) was honoured in recognition of both her professional success and her commitment to promoting alumni relations. She is President of the Hong Kong Institute of Certified Public Accountants, a Director of Li & Fung Development (China) Ltd, President of the Hong Kong Alumni Group and is a member of the University’s Alumni Board (see page 31).

To nominate one of our alumni for this award, please submit their biographical information and a letter of nomination (of no more than 500 words) to: Claire Rundström, Head of Alumni Relations, The University of Sheffield, Development, Alumni Relations & Events, 40 Victoria Street, Sheffield, S10 2TN, or email alumni@sheffield.ac.uk with the subject ‘Professor Robert Boucher Distinguished Alumni Award nomination’.

The deadline for nominations to be considered for an award in 2016 is 27 November 2015.

Further details can be found at www.sheffield.ac.uk/alumni/our_alumni/distinguished

Obituaries

Alumni and friends of the University may submit obituaries – for an alumnus/alumna or former member of staff – to Development, Alumni Relations & Events for inclusion on our website. Please email alumni@sheffield.ac.uk

We have been informed of the following deaths of University staff in the past year:

Emeritus Professor Frank Benson
Head of the Department of Electronic and Electrical Engineering 1967–87 and Pro-Vice-Chancellor 1972–76.

Dr Raymond Brook (AMET Metallurgy 1957, MMET Metallurgy 1958, PhD Metallurgy 1962)
Member of academic staff in the Department of Materials Science and Engineering 1965–90.

Emeritus Professor Kenneth Murta
Member of academic staff (including Head of School) in the School of Architecture 1962–94.

Ronald Newman
Technician in the Department of Civil and Structural Engineering 1960–84.

Dorothy Losel
Member of academic staff in the Department of Animal and Plant Sciences 1972–98.

Glyn Woods
Crossword and Sudoku Puzzles

Extracurricular

Across
4 Sheffield Wednesday, Sheffield Steelders and Sheffield Tigers (5)
7 He succeeded David Weir as manager of Sheffield United (5,6)
9 He became Vice-Chancellor of The University of Sheffield in July of 1905 (5)
10 One of the three colleges which merged to form The University of Sheffield (5)
11 The Princess and the - a 2014 Crucible Theatre production (3)
12 1980s Sheffield Wednesday footballer who also studied chemistry at The University of Sheffield (5,9)
16 Vice-Chancellor of The University of Sheffield from 1974–1990 (4)
18 Number of Australians who have won the World Snooker Championship at the Crucible (3)
19 Elizabeth was Thomas Cromwell’s ______ in alumna Hilary Mantel’s Wolf Hall (4)
20 In 2014, The University of Sheffield was ranked in the top 25 worldwide in this subject area (9)
24 At The University of Sheffield there is generally only one ______ per year for undergraduate and postgraduate taught courses (6)
25 Sheffield’s twin town in Nicaragua (6)
26 Background colour of The University of Sheffield’s coat of arms (5)
27 Architectural style of Sheffield Cathedral (6)
30 Jenny, the first UK woman to win the Distinguished Woman in Philosophy Award (4)
31 Stones Bitter, for many years one of Sheffield’s most famous exports, was brewed at the ______ Brewery from 1948 (6)
32 And 24 Down. Comedian who studied accountancy at The University of Sheffield (5,6)

Down
1 The Electric Works and Ventana House, the first phase of the Sheffield ______ Campus (7)
2 Historically Sheffield is in this part of Yorkshire (4,5)
3 Jarvis Cocker’s Sheffield band (4)
4 The Lyceum, a 1068-seater ______ in Sheffield (7)
5 The Department of ______ and Plant Sciences is in the UK top five for biological research (6)
6 Sheffield’s five household waste ______ have been in the news in 2015 (5)
8 Sheffield river (6)
13 Damian Lewis plays this king in the TV adaptation of alumna Hilary Mantel’s Wolf Hall (5)
14 The Arts Tower at The University of Sheffield has a Paternoster one (4)
15 Sheffield rugby league team (6)
17 Subject area in The University of Sheffield’s Hispanic Studies department (7)
19 The ______ ______ of York features on The University of Sheffield’s coat of arms (5,4)
21 This Centre is joined by a skyway to University House (7)
22 The acronym used for The University of Sheffield’s Centre for Collaborative Research in the Arts and Humanities (3)
23 SUWIC specialises in the ______/reuse of ash residuals (7)
24 See 32 Across
28 Sir Harry Kroto and Sir Hans Krebs, ______ of The University of Sheffield’s Nobel Prize winners (3)
29 Tapton Secondary Modern’s most famous former pupil (3)

Sudoku
Fill in all the squares in the grid so that each row, each column and each 3x3 square contains all the digits from 1 to 9.

The puzzle on the left is easy and the one on the right is difficult.

Solutions
The crossword and sudoku solutions can be found online at: www.youruniversity.group.shef.ac.uk/alumni-notes-and-news/extracurricular
A Legacy with Impact

To talk through your ideas in confidence or to request a copy of our Legacy brochure, please contact: David Meadows, Development Officer for Legacies, Development, Alumni Relations & Events, The University of Sheffield, 40 Victoria Street, Sheffield, S10 2TN. Tel: +44 (0)114 222 1073, Email: d.meadows@sheffield.ac.uk, www.sheffield.ac.uk/legacies

The University of Sheffield is an exempt charity X1089

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Make a positive difference to the future of The University of Sheffield with a gift in your Will.

Dr Rachael Brook (née Hallas) (MBChB Medicine 1956) was very proud to have studied at Sheffield and had a passionate belief that alumni should ‘give back’ to their University. In her lifetime she donated over £20,000 to provide scholarships and hardship bursaries. And her support continued after her death in 2012 with a generous £30,000 bequest in her Will to help fund scholarships for undergraduates in the Medical School. In addition, she donated a beautiful 1791 Joannes Varotti violin to the Department of Music, which is regularly played by students in the department.

“I would like to say thank you, not only for the financial help but for being an inspiration. I have been driven to work even harder because someone has invested their money and believed in me.”

Jena Mamdani, recipient of a Dr Rachael Brook Scholarship

Top: Music student Megan de Garis plays the Joannes Varotti violin. Inset: Dr Rachael Brook

www.sheffield.ac.uk/alumni
Reasons to Be Proud of The University of Sheffield

We’ve been voted Number One Students’ Union for the seventh consecutive year in this year’s Times Higher Education Student Experience Survey.

The University of Sheffield was ranked 12th best in the UK – and No 1 in Yorkshire – in the QS World University Rankings 2014.

Our ground-breaking research into food security will receive a £2 million boost from the Higher Education Funding Council for England, as part of a bid to transform food security research in the UK.

The University received a trio of accolades at the Times Higher Education Awards 2014, coming top in the categories of Widening Participation Initiative of the Year, Outstanding International Student Strategy and Outstanding Support for Early Career Researchers.

Our Vice-Chancellor, Professor Sir Keith Burnett, has co-authored a new national report into the future of advanced vocational education in the UK.

We have secured a major grant of £7.5 million which is expanding the development of world-leading clinical lung imaging.

Development, Alumni Relations & Events
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