Celebrating 50 years at home in Guildford

The bells of Guildford Cathedral rang out on 9 September 2016 to mark the beginning of the University of Surrey’s 50th Anniversary year, celebrating half a century of calling Guildford ‘home’.

The University’s Royal Charter was signed in 1966, establishing the University in Guildford from its roots in Battersea, London. Exactly 50 years later, bells pealed across Battersea and ended their journey in Guildford to signify the University’s move from its beginnings in South London to its home in Surrey. The bells were fittingly rung by Surrey Bell Ringers, a proud and historic society of Surrey alumni and local residents.

Celebrations continued in the heart of Guildford on Saturday 22 October 2016 with the Anniversary Procession and Thanksgiving Ceremony, taking place 50 years to the day since the inauguration of the University’s first Chancellor. A procession of robed students, staff, alumni and special guests took to the cobbles of Guildford High Street, adorned with banners and brought to life by the waving of blue and gold flags, and made their way up to Holy Trinity Church.

A number of activities were laid on throughout the day for local residents and spectators, who came to celebrate the University’s strong connection, proud history and special relationship with its home town.

Other events throughout the University’s 50th Anniversary year have included fun and educational activities and competitions throughout Guildford and in local schools, with the University’s own mascot Steve the Stag often making an appearance to delight adults and children alike.

In the 50 years since setting up home on Stag Hill, the University has been warmly welcomed as part of the local community in Guildford. Its staff and students are involved in the local community in a number of ways, from volunteering and charitable work, through to widening participation and outreach activities in local schools.

The University looks forward to continuing to grow the breadth of its local impact and the strength of its relationship with its home town. On page 10, we welcome you to explore wonderful moments in this relationship. Moments that have been captured in photographs and then preserved, catalogued and shared by the University’s Archives & Special Collections team.

Residents of Guildford and the surrounding area are warmly invited to join the University as it ends its 50th Anniversary celebrations with a bang, in the form of a ‘birthday party’ event this summer. The University of Surrey Festival of Wonder, on Saturday 13 May 2017, will include a whole host of fun and free activities, including science demonstrations, music and dance performances, sports activities, hands-on workshops and special guests such as national treasure Brian Blessed, renowned soap actors Emma Barton and Ian Kelsey, ex England cricketer Ebony Rainford-Brent and legendary sports commentator John Inverdale.

Turn to page 11 to discover more about our final 50th celebration event.
Welcome

Letter from the Editor

We are delighted to welcome Dame Penelope Keith, DBE, DL, Pro-Chancellor and Actis as the Guest Editor for this special 50th Anniversary issue of Your University.

‘My friends at the University of Surrey know well my appreciation of the English language and so it was a pleasure to accept the invitation to be Guest Editor for this special 50th Anniversary edition of Your University.

The University of Surrey has been my home for nearly 40 years and during that time I have followed the University’s considerable progress with interest. Since 2009, I have enjoyed an even closer association with the University as one of its Pro-Chancellors, and a highlight of my role is to confer degrees on the students and to hold the ceremonies. These are truly wonderful occasions with the region’s businesses, and I hope to welcome your business.

It was a delight for me to join some of these various volunteering activities and partnerships with the University’s talented students at their Graduation ceremonies. These are truly wonderful occasions and I greatly enjoy meeting the students and hearing about the many ways in which they hope to make a positive difference in the world.

I believe education is a privilege and it is important to me that this privilege is available to all, no matter the background or financial circumstance of a young person. Many people don’t realise that the University is a charitable and not-for-profit organisation and therefore relies on fundraising schemes such as our recent launched Chancellor’s 50th Anniversary Appeal to help disadvantaged students enjoy the benefits of a good education.

I have also learned that the University has many brilliant academics who are conducting research to try to find the answers to some of the most urgent problems we face in today’s society. Such as the early diagnosis and treatment of cancer, better care for dementia patients, access to safe drinking water and the supply of more sustainable energy to our homes.

It was for me to try some of these academics, as well as leaders and friends from the local community as we processed up the High Street of Guildford last October in celebration of 50 years since the University was established in the town. It was a poignant day and an opportunity to commemorate the University’s many impressive achievements and strong links with the borough.

The University and its staff and students have always been very active in the local community through various volunteering activities and partnerships with organisations.

I hope to welcome you again to the Surrey County Show at Whitchurch on 26 May, in my new role as President of the Surrey County Agricultural Society.

You too can discover more about the University’s work at its Festival of Wonder on Saturday 13 May. There will be a whole host of fun and exciting activities from music and comedy, to talks from local celebrities, sporting action and demonstrations of the science and technology of the future. This day is open to all and the University very much hopes to welcome you into campus.

Until then, I hope that like me, you enjoy learning about the University on your doorstep in this special edition of Your University.”

Surrey staff volunteer in local community

Staff at the University of Surrey are proud to be active in the local community and volunteer for a number of charities.

University staff recently took part in several ‘community days’, swapping their desks for time spent in the local community and visiting a range of local charities and organisations.

Over several days, colleagues from the University’s Student Services and Administration, Employment and Careers, and Wellbeing departments visited eleven different charities to lend a helping hand.

Charities including hills Pension, National Trust, Woking Hospice, Guildford Food Bank, Manor House sanctuary, Cherry Trees and the Fountain Centre benefitted from this volunteer effort, with staff getting stuck into an array of activities from decorating and gardening to building and street cleaning.

Staff volunteers also visited the Phoenix Cultural Centre in Woking, where they helped to clear an old nightclub to make it into a transformed into a non-profit live music and arts centre.

The Phoenix Cultural Centre commented: ‘The team were great and finished the whole job, which was amazing as there was a lot to cover. We really enjoyed their company as well.’

University of Surrey staff also contributed to the creation of a wonderful sensory garden at SeeAbility, a residential home specialising in supporting and assisting people with sight loss. This fantastic community volunteering effort was recognised with the sensory garden picking up a Silver Gift award in the Guildford in Bloom competition.

If you are a local charity or organisation that could benefit from our help, contact our Public Engagement Manager: 01483 686448

GUILDFORD GETS ON BOARD WITH MONOPOLY

Bright Club and Pint of Science are set to return to Guildford in 2017.

Discover more about three popular events below, which bring science and comedy to your local pub.

Bright Club - 8 June

What happens when the University of Surrey’s world-class academic and research staff share the stage with side-splitting comedians?

Described as ‘the thinking person’s comedy night, Bright Club is an event that transforms academics into comedians for a night only with highly entertaining (and surprisingly educational) results.

Staff from the University are taken to a local pub where they are given just a few minutes each to spin their expertise into comedy gold to see which something along the way.

Organised by the University of Surrey, Guildford’s Bright Club event will take place on 8 June 2017 at popular arts and music venue The Boileroom. The evening will combine comedy, science, research and music, as comedians and musicians share the stage with the University’s brightest and best.

The event is open to all and local residents are warmly invited to come along and dive headfirst into Bright Club, enjoying a night of drinks and a lot of laughs along the way.

For more information, find them on Facebook or visit: brightclub.org

Pint of Science - 15 to 17 May

Ever wondered about the origins of our universe, the inner-workings of the human mind, or how the technology of tomorrow will shape the future?

Guildford’s Pint of Science festival will explore captivating themes such as the brain, medicine, mindfulness, neuroscience, psychology and psychiatry, and new technologies and data.

With an informal delivery, talks, and interactive games and competitions, Pint of Science promises as much fun as it is fascinating.

For more information, visit: pintofscience.co.uk
Students’ Union active in local community

The University of Surrey’s Students’ Union is passionate about giving back to the community, with many clubs and societies actively involved in fundraising and volunteering.

Dance Squad

In December 2014, Surrey’s Dance Squad danced with the children at Shooting Star Chase’s Christmas party in Woking. Their dance-a-thon on 17 February 2017 raised £1 506 for the local children’s hospice charity.

Team Surrey

Surrey’s frisbee society started in with Year 8 and continues to grow, with several fun sessions on frisbee and local schools.

Royal Surrey County Hospital Awards

Staff from the University of Surrey’s Faculty of Health and Social Sciences represented the University at the Royal Surrey County Hospital Staff Awards on 8 December 2016. Local GP and University of Surrey Professor Simon of Lusignan, who recently marked his 30th year as a Guildford GP at Woodbridge Hill Surgery, was pleased to present an award to Dr Sue Davison from the hospital’s SPACE team.

Alongside Professor Lusignan, Professor Dennis Walters, Alison Rhodes and Jackie Cochrane from the University also went along to support the event. The University is proud to have strong links with the hospital through our health and research programmes.

Reflections on faith and belief

‘At Surrey, there is space for differences to be understood and explored. The University is a secular institution that does not privilege any faith or belief system over any other. Indeed, people of different faiths and belief systems all enrich the life of the University…’

The team of chaplains reflects this diversity, with Hindu, Jewish, Buddhist, Muslim, Sikh, Christian (Anglican, Catholic, Methodist and Orthodox) and non-religious (Humanist) chaplains. ‘There are also thriving student faith and belief societies and staff fellowships. ‘Being a secular institution does not mean religion is pushed out: it contributes, but does not dominate.’

‘Faith and belief is a protected characteristic under equality legislation and university life and policy reflects this. With a vibrant multi-national, multi-cultural and multi-faith staff and student body the University is committed to fostering dialogue between people of different faiths. In the world today, that task is all the more important: as something the University takes a lead on.’

Rev. Andrew Bishop, Co-ordinating Chaplain for the University of Surrey and Canon of Guildford Cathedral
canonandrewbishop.blogspot.co.uk

Guildford warmly welcomes twin town

On Saturday 10 September 2016, the University of Surrey was pleased to welcome a delegation of visitors from Guildford’s twin town, Freiburg, in Germany. The delegation was led by Lord Mayor of Freiburg, Dr Dieter Salomon. Guildford, Borough Council organised the event and brought the delegation to campus with the Mayor of Guildford, Councillor Gordon Jackson, Council Leader Paul Spooner, and Dr Peer-Steade, Chair of the Freiburg Association.

Professor and Vice-Chancellor Professor Max Lu treated the guests to a tour of the University campus, visiting the medical simulation suite and the 5G Innovation Centre (5GIC), followed by a presentation on the University given by Professor Paul Smith, Executive Dean of the Faculty of Engineering and Physical Sciences.

Guildford and Freiburg have enjoyed a wonderful relationship as twin towns for nearly 38 years and the University was happy to welcome the visitors to the campus. A reciprocal visit to Freiburg, attended by Lord Mayor of Guildford, Borough Council and University staff, took place in March 2017.

Community Reps scheme

In July 2015 the Students’ Union started its Community Reps scheme, with the aim of improving the communication between University students and local residents.

The Community Reps scheme was created following a series of successful meetings between the Students’ Union, Guildford’s Warden Team and the heads of the local residents’ associations.

Since the talk off in July 2016, the Students’ Union’s Community Reps have developed the scheme’s reach and impact on the local community. As a result, the number of Reps working with students and local residents has grown from five to eleven. They cover areas such as Oxted and Stoke, with new locations being added as the scheme grows.

Saskia explained: ‘I wanted to take it to the next level as I felt it could really change the perception of students within our community. I have currently recruited eleven student volunteers who are all friendly, approachable and enthusiastic students, keen to get involved as Community Reps. They can be contacted via their Rep email accounts and raise any local issues with the relevant people.’

‘I really hope that this scheme will grow bigger over the years and will improve the relationship between students and their neighbours.’

For more information on the scheme, get in touch with Saskia at: ussu.vpcommunity@surrey.ac.uk

SURREY.AC.UK

Your view counts

Have your say in our Local Residents’ Survey

At the University, we believe that your view counts. That’s why we are asking Guildford residents to take part in the University’s third annual Local Residents’ Survey. This will involve completing a short, online survey to help us understand how you view your local university and its relationship with the community.

Your feedback will help the University to strengthen its links within the community and identify the steps we could be taking to share more about our organisation with you.

The survey will run from 15 May - 11 June 2017. To take part, please visit surrey.ac.uk/localsurvey to stand a chance of winning one of five £100 cash prizes*

*For full information and the terms and conditions of the prize draw, please visit surrey.ac.uk/localsurvey.

For a paper copy of the survey, please call: 01483 686 648

What are your hopes for the scheme?

‘I hope that through the scheme we can make local residents feel more comfortable with living in the local community without having lived here for many years that living near a university is not a negative thing, and can be a pleasant experience for both students and local people.’

‘By creating a strong line of communication we can show people who have lived in Guildford for many years that living near a university is not a negative thing, and can be a pleasant experience for both students and local people.’

‘I really hope that this scheme will grow bigger over the years and will improve the relationship between students and their neighbours.’

‘I hope to give our students a voice and strengthen the University’s relationship with Guildford residents.’

A 60 second interview with Community Rep Paige Frankson

Why did you get involved in the Community Reps scheme?

‘I decided to volunteer as a Community Rep because I have first-hand experience in trying to settle into the community without having lived independently beforehand. I am enthusiastic to further the support given to students off campus.’

Why do you believe the relationship between the University and Guildford is important?

‘I really hope that this scheme will grow bigger over the years and will improve the relationship between students and their neighbours.’

‘I hope to give our students a voice and strengthen the University’s relationship with Guildford residents.’
Residents help shape new campus accommodation

University of Surrey Lettings (USL), a not-for-profit lettings agency, offers improved support to students renting in the local area.

As the University celebrates its 50th Anniversary in Guildford, its new social impact report, Positive Change, has been launched. It considers the impact and contribution of the University to society at a local, national and international level.

The report reflects on the collective achievements of the University community, and how Surrey has worked with the local town to give back to society. Through animal observation, measurement and reflection, the University intends to increase its contribution to positive change. The report will enable the University to monitor trends and understand the full effect it has on a broader society, which in turn will guide the University’s future contribution to society in order to drive this positive change.

Read the full report at: surrey.ac.uk/socialimpact

Digital Guildford

Guildford Makerspace

Supported by staff and students at the University of Surrey and located right in the heart of the borough, at Guildford library, Guildford Makerspace presents the opportunity to connect and collaborate as a community.

Makerspaces are places where people can gather to make and create, share supplies, develop skills and ideas, and collaborate together on projects. They offer everyone the chance to get hands-on experience of building and work with current and future digital technologies through fun, educational and inspirational ‘maker’ style events.

As Guildford is a renowned hub for technology and innovation, the Makerspace hopes to build on its town’s existing strengths in digital technology, together with the University’s involvement, to foster and develop skills, share knowledge and focus on creation rather than consumption.

Guildford Makerspace is now seeking to grow and establish a fully realised makerspace environment.

For more information, email: libraries@surreycc.gov.uk

Surrey launches new lettings agency

University of Surrey Lettings (USL), a not-for-profit lettings agency, offers improved support to students renting in the local area.

The new service represents a step forward in the sector as it works to ensure a fair deal for landlords and provide a professional service for landlords.

USL will offer comprehensive support to students looking for properties to rent. They will also ensure that students are aware of their rights and responsibilities as tenants and neighbours.

Llian Mannfield, USL Manager, commented: “Our service will help students to make a smooth transition into the private rental sector, ensuring that they live in properly maintained properties and remain good and responsible neighbours.”

This not-for-profit venture will also manage properties on behalf of landlords as part of the University’s head leasing scheme. This scheme allows landlords to let their property directly to the University, offering them a cost-effective alternative to private sector lettings agents.

USL will be looking to increase their portfolios of properties and are offering discounted rates to landlords who become accredited under the Guildford Lettings Accreditation Scheme.

Discover more by visiting: surrey.ac.uk/lettings

Driving positive change

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Engineering the future of healthcare

Health problems such as obesity, smoking and an ever-growing ageing population are currently putting a huge strain on the NHS. In their Five Year Forward View, published in 2014, the NHS expressed a need for healthcare in the future to focus on prevention, diagnosis and well-being, rather than just treating disease.

University of Surrey’s new Innovation for Health programme aims to overcome the challenges faced by the UK’s healthcare service and promote a more integrated approach to healthcare.

This new multidisciplinary programme builds on the University’s existing reputation in the fields of engineering, biosciences and computer science, centred on a new £40m facility. The main focus of this programme is to produce graduates with the skills, expertise and interdisciplinary knowledge necessary to drive the technology that addresses the future needs of the healthcare industry and society.

By 2030, new technology will enable a more collaborative approach between GPs, hospital staff, social services and patients. Technological development, such as remote monitoring, will transform the way disease is diagnosed, treated and managed, while healthcare professionals will be able to access increasing amounts of data about patients, their diseases and how they are managed, resulting in personalised models of care.

The UK healthcare sector is increasingly being driven by technology. At the forefront of this field, the University of Surrey has pioneered research in many medical research areas, such as computer-based simulation technology for training surgeons and cell electro-analysis for the early diagnosis of cancer. Hosting the 5G Innovation Centre on campus, Surrey is also ideally placed to support innovative healthcare technologies based on the emerging “Internet of Things”.

European positions UK at the forefront of mobile networking

5G is the fifth generation of mobile networks and wireless connectivity. It aims to offer greater capacity and be more responsive to users’ needs, as well as more energy-efficient and cost-effective than previous networks.

The University of Surrey is home to the largest academic research centre dedicated to the development of 5G, the 5G Innovation Centre (5GIC).

5GIC’s existing campus-wide 5G test bed is currently being further developed to enhance future demonstrations of the technology. The Centre is working hard to build new partnerships, and strengthen its existing 26 partnerships, with the aim of realising the Government’s vision of integrated fibre and 5G trials which position the UK and the forefront of 5G usage.

Paul Crane, Head of Mobile Research at BT, one of the Centre’s partners, said: “The 5GIC is in a unique position to help the Government meet its ambitions of harnessing the benefits of 5G for the UK economy. Its industry relationships, world-class research and development platforms, and 5GIC’s extensive network of academic and industry partners are vital to its success.”

The Centre is also ideally placed to support innovative healthcare technologies based on the emerging “Internet of Things”.

For more information: surrey.ac.uk/5gic

Europe continues to fund Surrey’s environmental research

Despite concerns about research funding post-Brexit, the University of Surrey has been awarded more than three-quarters of a million euros in research grants from the European Union since the UK’s electorate voted to leave the 28-country union.

Academics have been awarded €627,000 as part of the ‘Horizon 2020’ project – Improving the Smart Control of Air Pollution in Europe (iScape) – which aims to develop next-generation environmental living labs in cities across Europe.

The University has also been awarded €137,000 to assess the socio-economic and environmental impact of Clean Sky 1, the EU’s largest ever aeronautics research programme.

Professor Max Lu, President and Vice-Chancellor at the University of Surrey, commented: “These projects are significant initiatives tackling air pollution to improve the environment for future generations.”

365x834 to 876x931

Environment

For more information, email: libraries@surreycc.gov.uk

Did you know?

7.1bn gross value has been generated across the UK by the University’s models of care.

Did you know?

5,721 items of food were donated to the Salvation Army and Eats Guildford Food Bank through the Students Union’s #GetGiving food campaign 2016.

For more information, email: libraries@surreycc.gov.uk

Explore more at: surrey.ac.uk/5gic

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Body vigilance crucial in battle against cancer

New research from the University of Surrey, who received funding from Cancer Research UK, has found that increased body vigilance could significantly contribute to earlier cancer diagnosis.

Researchers from the University of Surrey have found that people who are more body vigilant are more likely to seek medical help, which could contribute to earlier cancer detection. The new study examines patients’ attentiveness to their bodies, their awareness towards bodily changes and their willingness to contact medical professionals.

During the study, a sample group of over 2,000 people aged 50 and over were asked whether they had experienced one or more of 14 cancer alarm symptoms over the previous three months. Almost half the sample (46 per cent) reported experiencing at least one symptom in this time period, but only 63 per cent of those who reported these symptoms sought help from a medical professional.

The most commonly reported symptoms were a persistent cough or hoarseness (23 per cent), changes in bowel habit (18 per cent) and constant changes in bladder habit (17 per cent).

The study found that those who were more body vigilant were significantly more likely to seek help for at least one cancer alarm symptom. Unemployed and retired people were also found to be significantly more likely to have sought help.

Dr Jana Witt, Cancer Research UK’s information and support manager, said: “It’s important to pay attention to your body and get to know what’s normal for you. It can be easy to put something new or different about your body down to things like getting older, but if you notice any unusual or persistent changes, it’s important to go and see your doctor.

“It’s more likely to be something less serious than cancer, but it’s better to get it checked out. When cancer is diagnosed at an early stage, treatment is more likely to be successful.”

Research from Cancer Research has found that 46 per cent of all patients with cancer in England do not get diagnosed until their cancer has already reached an advanced stage. Cancer that is diagnosed at an earlier stage is much more likely to be treated successfully, therefore being more body vigilant could increase the chance of detecting cancer early and improve survival rates.

Lead author of the report, Dr Katrina White, from the University of Surrey, said: “In order to prevent the number of deaths in England from cancer, we need people to identify and understand changes in their bodies and not delay seeking medical help. Far too many cases of cancer are diagnosed at a late stage which severely reduces chances of survival. In this study 27 per cent of those questioned had not yet sought medical advice on symptomatic signs of cancer which is very worrying.”

Combating age-related diseases

Research has revealed that it is possible to stop the activation of a group of proteins known to cause many of the diseases linked to aging.

The research, conducted by the University of Surrey, in collaboration with the universities of Reading and Cologne, and Royal Berkshire Hospital, has found that the natural mutation SAMP (single nucleotide polymorphism) protects against cardiovascular disease and the activation of NADPH Oxidase, the protein complex known to cause most of the diseases of aging.

By identifying the molecular mechanisms from a milder strain of the mice, the research enables the design of drugs that will prevent the activation process in conditions of stress.

The researchers believe it will lead to the development of drugs to treat heart disease, diabetes, arthritis, dementia, and illness in the lungs.

In addition, the research has exciting implications for personalised medicine, a concept which is likely to change the face of healthcare in the future.

Director of Postgraduate Research at the University of Surrey, Dr Brendan Howlin, said: “Since the initial research, we have developed a series of drugs that prevent the activation of these drugs and are now working on bringing these drugs to market.”

Chemical Engineering student wins innovation competition

Max Chowdhury, Chemical Engineering student at Surrey, has been recognised by Bosch for his vision of how the Internet of Things (IoT) could transform lives.

Chowdhury has invented an automated watering system for lawns. The invention of the garden watering and irrigation system was linked to ground-based sensors to ensure that lawns and plants would receive exactly the amount of water they needed.

The competition formed part of Bosch’s #BetweenUsWeCan campaign, which supports efforts to improve gender diversity within engineering.

Sitting in traffic detrimental to health

New research suggests that adjusting your car’s ventilation system while sitting in traffic can reduce your exposure to toxic chemicals.

The World Health Organisation has placed outdoor air pollution among the top ten health risks faced by humans, linking it to 7 million premature deaths a year. New research has shown that in traffic jams, or at red traffic lights, changing car windows and switching off the fan significantly lowers the exposure to pollutants.

The study found that when the windows were closed but the fan was on, the exposure was usually the highest while in traffic, because the air outside the vehicle is generally much more polluted than the air inside the car.

Senior author of the research, Dr Prashant Kumar from the University of Surrey, said: “One of the best ways to limit your exposure is by keeping windows shut, fans turned off and try and increase the distance between you and the car in front while in traffic jams or at traffic lights. If the fan or heater is necessary, the best setting would be to have the air re-circulating within the car.”

Discoveries on your Doorstep

Discoveries on your Doorstep is a series of lectures that showcases Surrey research and offers the opportunity for professional and amateur members of the Guildford community to meet and discuss the discoveries at Surrey.

Last November, the University was delighted to launch the series with an evening on the theme ‘Science Delivering Global Wellbeing’ at the recently-opened School of Veterinary Medicine with guests including the Mayor and Mayoress of Guildford. The evening drew together a mix of both junior and seasoned researchers presenting on a range of innovative work in areas including aging, cancer care, and patent law.

Local business owner Elaine Hickmott commented: “What an uplifting and interesting way to spend an evening. Discoveries on your Doorstep reminded me yet again how lucky we are to have such a wealth of talented, motivated researchers in our community.”

The University will be hosting two further events in 2017: ‘Connecting Societies and Cultures’ and ‘Sustainable Cities, Economies, and Communities’. Each evening in the series is free and open to all.

For more information, and details on how to attend, see: discoveriesonyourdoorstep.eventbrite.com

Lads' mags normalise sexism

A collaborative team of leading UK social psychologists have investigated sexism and its link to lads’ magazines.

The University of Surrey, Clark University, University of Kent and Middlesex University London have investigated how lads’ mags normalise sexism in three new studies.

The studies found that young men considered sexist jokes less hostile when they were in a lads’ mag context. The findings also revealed that men described as ‘feminist’ were equally likely to read lads’ mags.

Further research found that people who had read the lads’ mags were far more likely to find these jokes funny compared to those who had not.

The research has discovered new materials offering an alternative to battery power and proven to be between 1,000 to 10,000 times more powerful than the existing battery alternative – a supercapacitor. This development could translate into extremely high-energy density supercapacitors, making it possible to recharge mobile devices in seconds.

The new technology is believed to have the potential to increase the travelling time of electrical cars between recharging. Instead of re-charging breaks of between six to eight hours, electric cars may be able to fully re-charge in the time it takes to fill a regular car with petrol.

The scientific findings made by Augmented Optics Ltd and its wholly owned subsidiary Supercapacitor Materials Ltd, in collaboration with the Universities of Surrey and Bristol, have produced a safer, faster charging, more efficient and greener alternative to battery power and supercapacitor abilities as we currently know them.
In 2016, support was generously received from alumni and supporters of the University to work on the collection. This enabled over 3,000 photographs to be preserved and catalogued. The University's rich historical source is now accessible and tells a wonderful story of the University's and Guildford's heritage in pictures, a selection of which we are pleased to share with you on this page.

Explore the collections via our online archives catalogue at: https://archivecat.surrey.ac.uk/calmview
Or get in touch with the Archives & Special Collections team via archives@surrey.ac.uk

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Nigel's golden rules for gardening at home

Preparation is key

- Keep on top of garden maintenance all year round.
- Preparation is key to all landscaping, and is therefore also key to making the most of spring and summer.
- Come rain or come shine.
- The weather can vary a lot during the space of a month, so don’t let seasons be the sole dictator of your gardening activity - be reactive to whatever weather your garden is currently experiencing.

Is there anything particularly special about the campus?

- ‘There’s a nice balance of urban and rural spaces, and a high proportion of plants to spaces, and a high proportion of plants to
deer on Manor Park and our ponds
- There’s a nice balance of urban and rural
- Spring is blooming marvellous on campus
- preparation of plants in buildings per square metre. The lake is a very beautiful and tranquil area of the campus site.
- See and the positive feedback we receive is very rewarding. It is also fulfilling to spot local products. We don’t use any
- Witch Hazel, Crocus, Snowdrops and Daffodils
- Can you tell us about wildlife on campus?
- What is the weather like on campus?
- Preparing the campus for Spring
- What are your team’s day-to-day jobs?
- University of Surrey helps Guildford bloom

Guildford in Bloom is an annual community competition run by Guildford Borough Council. It brings together local groups, schools, businesses and residents as they come up with imaginative ways to make the town and its surrounding areas look their best.

The University is proud to be supporting Guildford in Bloom in 2017. Helping to celebrate and champion Guildford’s natural environment.

Green spaces and biodiversity are things the University cares deeply about, and supporting this competition provides a wonderful opportunity for the University to work with the local community in their own gardens and green areas.

Discover Guildford in Bloom, by visiting: guildford.gov.uk/guildfordinbloom

Support for local schools and young people

The Widening Participation and Outreach Department at the University of Surrey delivers an important dimension of the University’s work in raising aspirations and attainment for local school pupils from a range of backgrounds.

Working closely with primary and secondary schools in Guildford and across Surrey, the Widening Participation and Outreach Department designs and delivers a full programme of exciting and informative activities for a range of different ages, constantly developing new activities aimed at introducing young people to university subjects, life, and pathways to university.

An example of some of the activities from the past year include the year 10 ‘Catastrophe on Campus’ summer school, ‘Crime Compendium’ mathematics session for year 9 pupils, and the ‘Campus Invasion’ story writing challenge for primary school students.

I spy with my little eye… something happening at Surrey!

Below is a photo of some school pupils who visited the University of Surrey to find out what it would be like to study science at university!

Can you figure out what they are?

Spring on campus

The weather can vary a lot during the space of a month, so don’t let seasons be the sole dictator of your gardening activity - be reactive to whatever weather your garden is currently experiencing.
Business Insights Lab

What happens when world-class research is met with real-world application?

At Surrey Business School, their Business Insights Lab delivers business-ready solutions by bringing pioneering research together with business and industry. True business insight is at the heart of everything they do. The Lab shapes and develops new practice through experimentation and collaboration. Businesses work alongside students, academics and prin- Praes. From Surrey Business School to engage in creative problem-solving and address the challenges of a fast-changing business landscape.

Businesses who participate in the Business Insights Lab are taught business skills for the digital age, and learn methods and skills in innovation and entrepreneurship.

By combining insightful academic thinking with practical application, the Business Insights Lab helps its participants develop new and exciting business innovation strategies.

Discover how your company can engage with Surrey Business School to test new ideas and get rapid feedback, all to the benefit of your business, by visiting: surrey.ac.uk/ibs

Business and sport

Surrey Sports Park hosts a vast array of major elite sporting events and is a global hub of sport and physical activity.

They are looking for world-class partners, sponsors and supporters who appreciate the business benefits and values of long-term commitment.

Surrey Sports Park's reach spans far and wide. There are over 1.5 million visitors to the venue each year, in addition to a membership of over 1,000 and links to over 17,000 students at the University. Businesses who partner with Surrey Sports Park enjoy a wealth of local, national and international opportunities. Surrey Sports Park has recently launched an exclusive Business Club, with a range of member benefits and networking events to help grow business through sport. There are also opportunities to become a commercial partner through Surrey Sports Park's events, facilities, teams and professional franchises. All of these come with a range of options to suit the aspirations of your brand.

To learn more about growing your business through sport, visit: surreysportspark.co.uk/business

Gain vocal confidence with GSA

In the world of business it is important to communicate with clarity and impact.

Guildford School of Acting's voice and presentation training is equally as relevant for your business as it is to the world of stage and screen. GSA believes that learning to control the techniques used by actors can help build confidence and success in all aspects of communication.

The Vocal Confidence course is designed for those who lack confidence in speaking publicly. Participants learn techniques for improving vocal and personal impact, including reading body language, appearing confident and how to control nerves.

Evening language courses

Have you ever wanted to learn to speak a language? Brush up on your French? Or get hands-on with British Sign Language? The University is pleased to offer evening language courses for local residents.

Courses are delivered on-campus in the heart of Guildford. Languages taught include Chinese, English, French, German, Italian, Portuguese, Russian, Spanish and British Sign Language. With four levels available, whether you're a complete beginner or looking to improve your existing skills, there is a course to suit you.

To find out more information, or sign-up for an Open Evening, see: surrey.ac.uk/eveningl asses

Executive Education

Surrey Business School offers tailor-made courses for both businesses and individuals looking to grow their knowledge and skills.

The Surrey MBA programme is taught by forward-thinking academics alongside leading industry practitioners. Courses are available in change management, business model innovation, entrepreneurship and more.

The new Executive Education Leadership Development Series will take place from June to November 2017. The courses will focus on topics such as mindful leadership, enhancing professional networks and leading in a digital world. Discover more about learning with us, at surrey.ac.uk/sbs

In 2017, the University Orchestra will open its doors to musicians from the local community for the first time, establishing its first community orchestra.

In July 2017, Guildford School of Acting will be celebrating the University's 50th Anniversary with a very special event, Life is a Cabaret, at the Yvonne Arnaud Theatre. The event will feature the very best in musicians over the past 50 years as GSA talented students and alumni take to the stage to perform a selection of loved songs from the shows. It promises to be a fabulous occasion, jam-packed full of entertaining and toe-stomping performances for all to enjoy.

Tickets will go on sale in April, via: yvonne-arnaud.co.uk

In 2017, Guildford International Music Festival returned in early 2017 for its 27th year.

Taking place between 24 February – 3 March, world-class musicians performed in some of Guildford's most stunning venues, with crowds of people coming along to festival events over the ten day celebration.

From baroque to jazz and renaissance to experimental, the Festival provided something for everyone. Acclaimed artists, including John Williams, Tasmin Little and Tim Garland, gave fabulous performances in packed houses and Loseley Park, Watts Gallery, St Mary's and St Martha's on-the-hill provided glorious setting for some beautiful chamber music.

The University's Vice-Chancellor Max Lu joined 200 VIP guests including GSA Alumni Brenda Blethyn OBE, Ian Kellett OBE and Emma Barton at a Gala Night performance of Goye and Dolly which wowed the crowds at the Yvonne Arnaud Theatre.

Other highlights of the Festival included ongoing workshops for young people; led by Surrey Arts and Apollo5, and family fun at G Live, as generations joined together to have a go at playing a musical instrument in a workshop with Southern Pro Musica.

50 Years of Musicals

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Tickets will go on sale in April, via: yvonne-arnaud.co.uk/arts

What's on

A snapshot of some other fabulous arts events coming up.

Tuesday 2 May 2017
Far from the Norm present Inferno, Ivy Arts Centre

Thursday 8 June 2017
Zubin Kanga Plays and Multimedia recital PAA Studio One

Wednesday 14 June 2017
Idiot Child present If I was the Planet I'd Fall out of the Sky? PAA Studio Theatre

Details for all of these and other productions, shows and concerts available here: surrey.ac.uk/arts
Success for Surrey Netball

Team Surrey Netball attacker and Sport and Exercise Science student Rhea Dixon was selected for the England Netball’s Under 21 Roses squad, ahead of their home series against Jamaica.

Dixon was announced in the squad shortly after joining the University of Surrey to study BSc Sport and Exercise Science.

The U21 Roses faced Hertfordshire Mavericks, Scotland and Wasps Netball in the Vitality Netball International Series.

Rhea has been a key part of the Team Surrey Netball 1st team, helping them climb to the top of the South Eastern 1A league. Alongside her studies, Rhea has also signed for Surrey Storm Netball, Champions of the Vitality Netball Superleague in 2015 and 2016.

Sport in the local community

Surrey Sports Park, Surrey Scorchers and Surrey Storm are proud to be active in the local community, benefitting young people and disadvantaged groups.

Holps4Health

Surrey Scorchers deliver basketball training and healthy-living talks to pupils of Worpleston and Guildford Grove Primary Schools, covering topics such as exercise, nutrition, smoking and internet safety.

Scorchers Basketball Foundation

The community arm of Surrey Scorchers offers coaching and mentoring to disadvantaged and disabled students. The Foundation currently works with Linden School and charities Halow and Disability Initiative.

Business in Sport

Scorchers Business in Sport project uses basketball to engage and inspire young people to pursue higher education. Participants receive occupational skills training and an insight into sports management.

Storm Junior Programme

In autumn 2016, Storm netball delivered activities to over 540 participants at Surrey Sports Park through their Junior Programme.

Storm Schools Sports Partnership

Storm currently works with Surrey schools Tormead and The College of Richard Collyer, providing coaching and support services at discounted rates to help develop their netball programmes.

Saturday Sports Club

For 16 years Surrey Sports Park has been delivering activities to young people and families with special educational needs and disabilities. Over 62 local families are currently involved in the volunteer-supported activity sessions, which include trampolining and climbing.

For more information on any of the activities above, see: surreysportspark.co.uk

12-hour charity Badminton

Team Surrey Badminton raised a fantastic £1,850 for local charity Challengers with a twelve-hour badmin-thon.

Fun, games and friendly competition took place over a twelve-hour period of non-stop badminton on 9 October 2016 at Surrey Sports Park.

The day’s activities included coaching, food and raffle stalls, radio DJ’s and a guest appearance from European Bronze Medalist Toby Penty.

The £1,850 will be going directly to local charity Challengers, who provide play and leisure schemes for disabled children and young people.

Discover more about the amazing work that Challengers do, by visiting: disability-challengers.org

What’s on

Discover a taste of the exciting events coming to Surrey Sports Park this spring/summer.

Hoops4Health

Women’s Lacrosse World Cup

12 to 22 July 2017

Surrey Sports Park is proud to be hosting the 2017 FIL Rathbones Women’s Lacrosse World Cup. The 2017 World Cup, which will be played over eleven days, will see athletes from over 25 nations compete for the title.

For more information, tickets or fixtures, visit: surreysportspark.co.uk/events