EDINBURGH Friends

ALL JOINED UP
Working together to slow down neurodegenerative diseases

INSIDE
Leading the fight against climate change

Attracting more international talent

The University of Edinburgh Campaign supporters
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COVER: A coloured transmission electron micrograph (TEM) of nerve fibres magnified to x7600 at 35mm size. By BSIP, SERCOMI / SCIENCE PHOTO LIBRARY

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Your opinion matters
We would love to hear what you think of the magazine. Get in touch with Brian Campbell to share your views e: brian1.campbell@ed.ac.uk

Sign up for our monthly e-newsletter to receive regular updates on the University of Edinburgh Campaign. Subscribe online at www.edinburghcampaign.ed.ac.uk
It gives me great pleasure to welcome you to this new edition of Edinburgh Friends. Now presented as an annual magazine together with a list of all University supporters in the past academic year, it is offered as a token of thanks to all of our generous patrons. This new format certainly reflects the scope and significance of the many contributions made to Edinburgh this year.

The Campaign total now stands at £278m, edging ever closer to our target of £350m by 2011 – and considerable achievements in University projects and priorities have been made possible this year. We can report on the vital research into neuroregeneration and stem cell research, and the huge efforts of staff, alumni and donors to make this ambitious work possible. Similarly, the University’s efforts to combat global carbon emissions have been brought to the forefront – research which could revolutionise the international response to climate change and place Edinburgh among the leading research universities in this field.

Another area where donations have made a tremendous difference is in Scholarships and Bursaries. Our success in this area means that some very bright and capable students who otherwise couldn’t have considered attending the University of Edinburgh are now studying here, and will contribute both to the life of the University and to society in general once they finish their course of studies. My wife and I support a bursary because we both strongly believe that making it possible for the brightest students to receive a University of Edinburgh education is the most powerful thing we can do for Scotland and the world.

The University of Edinburgh is, indeed, on a remarkable trend upwards. This has always been a great University, but as the world changes and technology advances and medical breakthroughs keep occurring, we need to stay at the very cutting edge of knowledge and opportunity. A strong philanthropic base of support helps make that possible. It has always been Edinburgh’s intention to be one of the world’s great universities, and that is an obligation the University cannot ignore.

Philanthropy provides that extra margin that allows universities like Edinburgh to strive for real excellence and a competitive place in the world. It was the generosity of donors that made the new Informatics Forum possible, and the 2008 Research Assessment Exercise (RAE) confirmed Edinburgh’s position as the UK’s leading centre for research in Informatics. It is this support that makes the difference between very good and excellent.

Every contribution makes a lasting difference to the University and we are, of course, indebted to your continued support and commitment to making Edinburgh the best it can be for students, staff and the community.

YOUNG P DAWKINS III, VICE PRINCIPAL
It has been a busy and productive year for the University of Edinburgh Campaign

**LIBRARY GROUND FLOOR UPGRADE COMPLETED**

The second phase of the £60m major redevelopment of the Main Library was opened in September by award-winning crime author, and University of Edinburgh alumni, Ian Rankin.

The entrance floor upgrade has introduced a number of new features, which transform this A-listed masterpiece of 1960’s architecture into a 21st century centre of learning excellence, while retaining and enhancing the original iconic design.

The ground floor redevelopment is the second step in a five-year programme, with the next stage due for completion in February 2010.

*For more on the Main Library Redevelopment Project, see p20*

**ABBOTTY INCREASES COMMITMENT TO UNIVERSITY**

Abbey has stepped up its financial support for students and staff at the University, increasing its annual donation by 50 percent and pledging to fund a further 20 scholarships for Latin American students in Edinburgh.

*Turn to p28 to find out more about the increase in funding*

**NEW HOPE FOR CHILDREN WITH EPILEPSY**

The UK’s first medical centre dedicated to research into childhood epilepsy will be opened at the University of Edinburgh, thanks to a £1m pledge from the Muir Maxwell Trust.

The Trust was established by Ann and Johnny Maxwell after their son Muir was diagnosed with epilepsy as an infant. The new centre will concentrate on improving diagnosis of the condition, and it is hoped it will become self-sufficient in terms of funding within five years.

*Find out more on p19*
### Where Informatics Meets Art: Inspace Art Installation Unveiled

- The ground floor of the Informatics Forum is the new site of an innovative art gallery that explores the cultural significance of informatics.

- Comprising a 300 square metre space that serves alternately as gallery, workshop or lecture space, the Inspace installation contains fascinating interactive technology and activities which aim to increase public awareness of the role of computation in 21st century living.

### Centre for Motor Neurone Disease Research Opens

August 2009 saw the Euan MacDonald Centre for Motor Neurone Disease Research opened by HRH The Prince Philip, Duke of Edinburgh and Chancellor of the University.

The centre has been funded thanks to a donation from Euan MacDonald, who was diagnosed with the disease in his 20s, and his father Donald MacDonald, a leading Scottish businessman.

Researchers at the centre will work collaboratively with specialists across the globe to unlock the causes of the disease, which affects around one in 100,000.

- Turn to the cover feature on p14 for more information

### Tracing the Path of Our Past – Major New Historical Centre Founded

A major new centre dedicated to interpreting the causes, nature and impact of Scottish emigration has been founded following a £1m donation from Mr Alan and Mrs Ann McFarlane.

The Scottish Centre for Diaspora Studies, opened late last year, and headed by renowned Edinburgh Professor of History Tom Devine, now offers the UK’s only postgraduate degree in Diaspora and Migration History, and it is anticipated that the course will attract a large number of international students.
Another first as animal cancer centre opens

Scotland’s first ever cancer clinic for animals has been unveiled at the Royal (Dick) School of Veterinary Studies. The £3m state-of-the-art surgery is equipped with the most up-to-date technology, including a linear accelerator to provide radiotherapy and a CAT scanner large enough to be used on horses.

It is hoped that the centre, which will also provide chemotherapy and surgery, will not only improve the treatment of animals, but also inform our knowledge of cancers in humans.

“The cancer centre will have the most sophisticated diagnostic procedures, followed by comprehensive treatment for pets,” said Prof David Argyle, Director of the Cancer Centre. “It will also pave the way for comparative medicine, relating what we know about the disease in animals to humans to improve treatments for all.”

Estimated to treat around 20 cases a week, the new centre forms part of a £100m development of the School’s Hospital for Small Animals at Easter Bush, and was officially opened by the Duchess of Hamilton.

Major research projects will include identifying cancer causing genes, understanding tumour progression and analysing the role of stem cells in cancer.

One success story involves Scrooble, a seven-year-old Border Collie, who went on to compete in the finals of the Crufts ‘flyball’ agility contest just six months after undergoing a successful course of chemotherapy at the centre.

Scrooble’s owner, Sarah Hawkswell, described the care at the centre as “fantastic”.

Edinburgh chosen for pioneering research centre

The University of Edinburgh has been chosen as a key site to host an exciting new research hub. The £7.2m CH Waddington building will serve as the Centre for Systems Biology Edinburgh, providing a base for 62 researchers who will combine maths and computer modelling to tackle some of the biggest challenges in biology.

Their research will have applications in the pharmaceutical and food industries, as well as in agriculture and the biotechnology sector.

The building, featuring lab and office space, is named after Conrad Hal Waddington, a former Professor of Animal Genetics at the University who is widely regarded as the forefather of systems biology.

To mark its inauguration, a lecture was given by Nobel Laureate Sydney Brenner, a pioneer of genetics and molecular biology.

Helping to save the planet

“We’re going through a new industrial revolution and we’re trying to make the world more attractive, reliable and sustainable for our children, and our children’s children”. Page 24

CONRAD HAL WADDINGTON

The CH Waddington building will serve as a memorial to Conrad Hal Waddington, a former professor of Animal Genetics at the University of Edinburgh who passed away in 1961. Born in 1905, Conrad Hal Waddington was a developmental biologist, paleontologist, geneticist, embryologist and philosopher. He is renowned for laying the foundations for systems biology.
The University’s innovative research attracted record-breaking levels of investment in 2008/09 — research was awarded £249m following a 17 per cent rise in funding.

Fending off tough competition from other universities and research institutions, this rise in funding from government, industry, commerce and charities, demonstrates the University’s status as a world-leading centre of research.

A total of 1,064 awards were made to the University, of which more than 41 were worth over £1m. The Engineering and Physical Sciences Research Council awarded £4m to fund research into high-performance computing and a £3m award from the Medical Research Council will support the establishment of a new gene sequencing facility.

The University also filed a new record of 89 patents to protect inventions and a total of 38 licence agreements to allow commercial use of technologies. Staff and students created 26 companies — the highest number formed in one year by a Scottish university.

“These figures are testament to the strength of the University’s research excellence. We are clearly maintaining our position as one of the leading research universities in the UK,” said Derek Waddell, CEO of Edinburgh Research and Innovation. “Our excellent commercialisation figures, especially those for new company formations, are particularly pleasing. They demonstrate the vital role we are playing in fostering growth in the nation’s economy as we transfer academic knowledge and intellectual property into the wider community.”
Four members of University staff were honoured by HRH The Prince Philip, Duke of Edinburgh at the Chancellor’s Dinner and Awards. The awards were made in front of an audience of 200 in the royal setting of the Palace of Holyroodhouse.

The Chancellor’s Awards, now in its fifth year, are presented in recognition of innovation, creativity and personal dedication. Crafted in glass, they are the work of Elin Isaksson, Artist in Residence at the Edinburgh College of Art.

Professors Harry Campbell (left) and Malcolm Dunlop (right), of the School of Molecular and Clinical Medicine, were presented jointly with an award for their research into colorectal cancer.

Dr John Lee’s innovation in teaching has attracted an award. Dr Lee, who is affiliated to the School of Informatics and the School of Arts, Culture and Environment, developed the “YouTute” system, which makes video recordings of tutorial discussions available to students.

Dr Giles Hardingham, of the School of Biomedical Sciences, received the Rising Star Award for his research, which could have profound implications for rational drug design in Stroke, Alzheimer’s disease and other neurodegenerative conditions.

Gates backs bid to beat pneumonia

University of Edinburgh researchers have joined forces with the Bill and Melinda Gates Foundation in the battle against childhood pneumonia. The University team has been awarded a $2m grant from the Foundation to help them in their continuing research to tackle the disease.

As part of a three-year project, mathematicians will work with doctors to develop a system for predicting the effectiveness of new prevention strategies and treatments in a bid to find the best approaches to save more lives.

Other partners in the project include Johns Hopkins University in the USA, the Medical Research Council in South Africa, the Child Health and Nutrition Research Initiative in Switzerland and the Croatian Centre for Global Health.

Commenting on the grant, Professor of Genetic Epidemiology and Public Health, Harry Campbell, said: “We are delighted to work with the Gates Foundation to help them prioritise the most effective treatment solutions. “By acting now and by acting together we could have a great impact on childhood diseases.”

Making 4G happen

The UK-China Bridge, a collaboration between six British universities and a consortium of Chinese universities and businesses, has been awarded funding of just under £1m by Research Councils UK.

The grant will support research into 4G wireless mobile communications over the next three years, funding scientists’ visits to universities and businesses in Britain and China and technical workshops for researchers and engineers to exchange knowledge, and create new partnerships. The project aims to accelerate the production of next generation mobile phones and other wireless communication devices.

In addition to the University of Edinburgh, five other British universities are taking part in the scheme – Heriot-Watt University, Bristol, Southampton and Bedfordshire, and University College London. The Chinese partners include China Mobile, Huawei and Tsinghua University.
PRESENTING OUR BENEFACTORS

Since 2005 our graduation ceremonies have seen a string of the University’s supporters receive Benefactors Awards in recognition of the significant contributions they have made to the University of Edinburgh.

BINK’S TRUST 2005
THE ROYAL BANK OF SCOTLAND 2005
DR ALFRED and DR ISABEL BADER 2005
MR GEORGE DAVID 2005
DR RODGER MIRREY 2006
LORD and LADY TROTMAN 2006
DR ED FEULNER 2006
LORD AND LADY WOLFSON 2006
ST COLUMBA’S HOSPICE 2006
DR ROBERT SPIRO 2006
DR MORTIMER D SACKLER and MRS THERESA SACKLER 2007
THE REV ROBERT FUNK 2008
DR WALTER NIMMO 2008
MR ALAN MCFARLANE and MRS ANNE MCFARLANE 2008
MR DONALD MACDONALD and MR EUAN MACDONALD 2008
THE COCA-COLA FOUNDATION 2009

THE LORD AND LADY TROTMAN BURSARIES

“My late husband Alex (Lord Trotman) was born in London in 1933 and his family moved back to Edinburgh when he was seven years old to escape the Second World War bombings. His family was of modest means and they lived in a tenement in Gorgie. Alex won a scholarship to Boroughmuir High School, but a university education was out of the question financially.

Although he had a very successful career with Ford Motor Company, starting as a trainee in Dagenham, England and retiring as Chairman of Ford in the U.S., he never forgot his disappointment at not being able to attend the University of Edinburgh as a young man.

All his life he was passionate about education, believing one should never stop learning. He became a Visiting Professor for the University’s Management School and also was founding Chairman of the University of Edinburgh Campaign Board.

The motivation behind establishing a bursary for students from the Edinburgh area was to help others achieve what he had not and I am dedicated to continuing the Trotman Bursaries in his memory. I think that bursaries are such an important cause to support because quality education is so vital to the success and well-being of our present and future generations.”

LADY VALERIE TROTMAN
Every year benevolent donations from alumni and friends around the world help the Edinburgh Fund to support entrepreneurial researchers and students, and ensure that they fulfil their potential through the provision of grants, scholarships and world-leading teaching and facilities at the University.

The Edinburgh Fund creates scholarships and bursaries for those who would otherwise be unable to afford the cost of pursuing university studies. The 80 new bursaries funded in the past year are a strong endorsement for the effort and support that alumni have already provided. However, with more than three applicants for every available bursary, an ambitious goal has been set for this year’s phone campaign. “Our goal for this year is to successfully fund 100 new bursaries. A typical bursary provides £1,000 of support each year for qualifying students, and this can make a real difference to recipients,” explains Rachel Brown, Development Manager for the Edinburgh Fund. “Every year, University of Edinburgh students call alumni to update them on activities at the University, seek their feedback on our communications and ask them to consider supporting the Edinburgh Fund.”

The University has received positive feedback from alumni on the campaign. One alumnus, Brendan Dick, Director, BT Scotland, commented: “I received a call from the Development Department of the University – specifically, from a young second year Law student who was very professional, articulate and engaging. He eventually persuaded me to hand over some cash (no mean feat) by making such a persuasive case. He was a credit to the University and I was delighted to make a gift to the Edinburgh Fund.”

Participating in the phone campaign is a good opportunity for student callers, as Clara Wilks, 3rd year English Literature student, explains: “Fundraising for the University is such a fun job. I get to speak to fascinating people – from Gordon Brown’s old flatmate to the man who wrote the textbook I am using this year! I was awarded an access bursary to help with the costs of coming to Edinburgh, and it’s great to know that I’m making a difference in future students’ lives. I hope to make a donation when I graduate.”

The Edinburgh Fund also supports Small Project Grants for research staff, students and clubs and societies. Approximately £130k is awarded each year to make possible a variety of innovative projects.

**GETBRAINY**

Edinburgh Neuroscience, hosted by the College of Medicine and Veterinary Medicine, has developed one such project that has attracted a Small Project Grant. The ‘getBRAINY’ (get Busy Running Activities Inspiring Neuroscience in the Young) initiative consists of a series of neuroscience-related workshops for delivery to primary and secondary schools.
The ‘getCONNECTED’ workshop introduces 11-year-olds to the concept of synapses and chemical communication, using interactive games to illustrate how neurones pass electrical and chemical signals.

While ‘getREMEMBERING’ is an advanced workshop, aimed at pupils who are sitting advanced exams in Biology, Human Biology or Computer Science. It discusses how memories are formed and uses hands-on activities to illustrate the mechanisms used by the brain to store memories.

A third workshop ‘getBALANCED’ will also be delivered to six high schools in the Edinburgh area by February 2010, including a special needs school.

Jane Haley of Edinburgh Neuroscience explains why the Small Project Grant was so vital to her work: “We are so grateful to the support we received from the Small Project Grant. Without this funding we could not have produced these wonderful workshops. Not only have we been able to inspire and help educate pupils throughout Edinburgh over the past year, but we will be able to continue to do so as most of the resources we have purchased can be used again and again. Many thanks!”

A Small Project Grant also allowed MSc student Rebecca Salois to travel to Beijing to complete research for her dissertation, which focused on the reconstruction of Beijing in advance of the 2008 Olympic Games. “I focused on the neighbourhood of Qianmen. Historically, Qianmen contained some of Beijing’s oldest local businesses. Due to Maoist planning policies in the 1950s-1970s, the area became overcrowded and eventually deteriorated into a slum,” explains Rebecca. “The restoration of Qianmen to its former glory was a key part of the Beijing Government’s plan to prepare for the Olympics. But rather than restoring the existing structures, they bulldozed the area and built a luxury shopping/tourism district in its place. Many of the ancient local businesses – and the local residents – were forced out.

“My fieldwork in Qianmen was carried out several weeks before the Olympics in June 2008. In my dissertation, I presented a snapshot of the changes that took place during my three weeks of fieldwork – it was staggering just how much changed in such a short amount of time.”
When I arrived in Edinburgh in the autumn of 1969, it was the start of six very happy years. During my time in the city – three years studying for a degree in business, economics and finance and a further three studying for my chartered accountancy professionals – I made some very good friends and enjoyed a number of experiences, the memories of which I still treasure today.

Above all, however, my experience at the University formed the basis of my future career. The education I got there was fundamental, covering the basics as well as the more complex elements, instilling within me the importance of an international outlook and a quest for continuing learning, while my later professional training added ethics and the importance of delivery of expectations. The six years in Edinburgh acted as a springboard for everything that I have done since.

After a successful career in finance and general management, with retirement on the horizon, I felt I would like to give something tangible back to the University, and it occurred to me one way I could do this would be to give somebody a similar kind of opportunity to that which I had benefited from.

With that in mind, and after a number of discussions with Hannah Schlesinger of the University of Edinburgh Campaign team, my wife, Denise, and I decided to endow a bursary to help fund a student through their degree. The criteria would be quite specific. It would have to be someone from Tayside, where I originally hail from, and who was studying finance, accountancy or economics – a degree course that related to my original studies.

That award was first made in the summer of 2008 and, following an application process, the University selected a young lady from Blairgowrie, who is now receiving an annual bursary from our endowment.

When I met the recipient for the first time, at a supper with her and one of the members of the University of Edinburgh Campaign Board, it struck me as amazing how comparable our experiences of the first year of our degrees were – even 40 years apart in 1969 and 2009. Her background was remarkably similar to mine. As she explained how she was finding the first year tough and admitted some difficulty settling into Edinburgh life, I was recalling the exact same experiences that I had encountered in 1969. I reassured her that once she cleared her first year, the subsequent years would be progressively easier. I hope to meet her again – perhaps when she graduates!

The way in which higher education is financed now is completely different, of course. When I was a student, less people went to university but there were also no loans or borrowing, and the courses were free. These days the door has been opened much wider, but unfortunately there's a turnstile, and you've got to pay your money as you go through the door.

As I began to approach retirement (which I'm planning to take at the end of this year) I had done a lot of thinking about what I would like to do afterwards. Following the involvement I've had with the Campaign team regarding the endowment, I began to wonder whether I could have a greater involvement with the University – perhaps helping by offering new insights from my own experience as a CEO. I had the opportunity of lecturing to the MBA students in the Business School with a real-life case study.

I have also always been impressed by the high quality of the literature that I have been sent by the Campaign team, and by their focused and professional manner, so I felt confident I would be happy working with them if the opportunity arose. After speaking to the Chairman of the Board, Ian Russell, I finally joined the University of Edinburgh Campaign Board towards the end of 2008.

The objective of the Board is to seek out philanthropy from individuals, companies and government in order to reach the £350m target, and we do that by acting as non-executive directors or consultants, using our skills and experience to offer advice and encouragement, as well as acting as a sounding board for the fundraising team.

The Board is made up of members with diverse professional backgrounds and the work is mainly a question of attending the meetings, engaging with the various activities arranged and taking our areas of expertise, and of interest, and using our skills to see if together we can make a difference. I am confident that we are and will continue to do so.

The £350m target is in sight and we are all determined to get there. I want to be part of the team and help repay the tremendous start that the University gave me back in 1969–1972.
I GIVE...
The GREAT FRONTIER of MODERN MEDICINE

Exploring neural and hepatic regeneration
EXPERTS AT THE UNIVERSITY of EDINBURGH ARE UNLEASHING THE POTENTIAL of NEUROREGENERATION RESEARCH TO CHANGE THE LIVES of SUFFERERS OF MOTOR NEURONE DISEASE AND MULTIPLE SCLEROSIS and DEVELOPING NEW METHODS TO DERIVE LIVER CELLS from EMBRYONIC and REPROGRAMMED STEM CELLS

incurable and progressive conditions such as Motor Neurone Disease (MND), Multiple Sclerosis (MS), Alzheimer’s and Parkinson’s, collectively termed neurodegenerative diseases, constitute one of the most major health challenges of the 21st century. With age a common risk factor, prevalence of these debilitating disorders is on the rise as the UK’s population continues to age.

For instance, there are around 5,000 people living with MND in the UK today, and approximately 100 new cases of the disease are diagnosed in Scotland each year.

Significant advances, particularly over the last decade, have improved understanding of these diseases, but the vital need for more rapid diagnosis and treatments to slow their development, and ultimately stop them, remains largely unfulfilled. However, researchers at the University of Edinburgh are making it their business to bridge this gap.

“Understanding more about the brain in health, how and why it gets injured, and how you can slow that and ideally stop it, is one of the great challenges of modern medicine,” says Professor Siddharthan Chandran, Director of the Euan MacDonald Centre for MND Research and Professor of Neurology at the University.

“If you think about other organs, such as the heart, liver, and kidneys, there has been a lot of progress in these areas thanks to transplantation. But that approach is not suitable for the brain, so the field is seeking out other potential solutions,” says Prof Chandran.

GROUND-BREAKING RESEARCH

The Euan MacDonald Centre and the Centre for Multiple Sclerosis Research work in close collaboration with the University’s Centre for Neuroregeneration and the MRC Centre for Regenerative Medicine.

“Here in Edinburgh, our focus is on MND and MS but, because they share the common theme of neurodegeneration, the insights that we make are also relevant to other diseases, such as Alzheimer’s and Parkinson’s. Researchers across the world working on those diseases inform what we’re trying to do and vice versa.”

So what is Prof Chandran’s ultimate aim? “As a clinician what I want to do, and what we want to do in
Edinburgh, is to combine the University's strength in medicine, basic research and stem cell research, and cross the bridge of translational research. We want to take our treatments and discoveries from bench to bed and from bed to bench, as studying patients and understanding more about the different types of diseases informs what we do in the labs,” he explains. “It's a bi-directional operation and Edinburgh is very much positioned to exploit and maximise the opportunities that present themselves through improved technologies and the resources available to us.”

Edinburgh’s strength in stem cell biology is a fantastic tool for researchers with an interest in translational medicine. “Stem cells are attractive because we can generate large numbers of human cells that are appropriate and specific to the diseases that we’re interested in. We can also generate them from stem cells, but we can now do so in unlimited numbers and, more recently, we can generate bespoke stem cells unique to the patient, using modern technologies that build on the principle behind the ‘Dolly the Sheep’ technology that was pioneered at the University by Ian Wilmut, Director of the Centre for Regenerative Medicine,” explains Prof Chandran. “We have a terrific opportunity to study the damaged brain with these new resources. They allow us to learn more about the brain in health and in injury, so that we can begin to test and discover new drugs.”

UNDERSTANDING THE BRAIN

Advances in this field are moving quickly and researchers have begun to recognise that cells, which look and behave very much like stem cells, exist throughout the adult brain. “If that’s true, it opens up a whole range of opportunities for treatment. Presuming that there are such stem cells in the brain and we can study their ‘cousins’ in the culture dish, we can discover what makes them tick. With this knowledge we can use drugs to manipulate the endogenous brain stem cells. In the long run this is a hugely exciting area,” adds Prof Chandran.

“Building upon the University’s joined-up thinking and strong collaborative ethos, we are always looking to develop collaboration with other institutions in the UK and internationally, which will be crucial to accelerating and maximising the opportunity to develop treatments for these conditions. Examples from our own work

THE MIGHTY ZEBRAFISH

Dr Catherina Becker explains how her research identified that a tropical freshwater fish, known as zebrafish, produce motor neurones when repairing damage to their spinal cords

“OUR RESEARCH TEAM ESTABLISHED THE SPINAL LESION MODEL ON ZEBRAFISH IN the mid-1990s. We were investigating the mechanisms allowing regeneration of the transected axons (fibres connecting the neurones in the brain to the spinal cord). Interestingly, the structural repair of the spinal cord lesion is not perfect, for example, not all neurones re-grow their axon, while functional recovery is very good. We, therefore, hypothesized that there must be plasticity within the spinal cord network to allow recovery under these suboptimal conditions.

We were investigating the local changes around the lesion site when we noticed that there was cell proliferation. We used markers of different cell types to find out into which cell type the newly-born cells would differentiate. We found that the predominant cell type generated after a spinal lesion was motor neurones.

We have recently established a method to screen drugs for their ability to promote the differentiation of stem cells into motor neurones in zebrafish embryos. Our regeneration system in adult fish allows us to find out whether drugs can also increase the generation of new motor neurones in the adult injured spinal cord. We have started collaborations with colleagues working on mammalian and human model systems to test whether our findings may be useful for therapies.”

When Trainee Solicitor at Mishcon de Reya Solicitors, Niki Stephens, was given £10k to award to a charity of her choice following a kind donation from one of her firm’s clients, she chose to give the money to the Euan MacDonald Centre having been impressed by the media coverage of Dr Becker’s work. “I gave the gift to the Euan MacDonald Centre because Dr Becker’s project offers hope in what would otherwise be a hopeless prospect for sufferers of MND and their families. I was very impressed by Dr Becker’s passion and dedication to her work, which I am sure we all hope leads to new treatments that will provide some relief to MND patients and, more importantly, buy them precious time,” says Niki.
are exciting collaborations with Ian Wilmot and Giles Hardingham of the Centre for Integrative Physiology as well as joint studies with colleagues at King’s College London, Harvard and Madison in the USA.”

Identifying and training the next generation of talent is also a key aim. “We’re particularly interested in clinician scientists as these medically-qualified scientists will be able to take laboratory observations to the clinic,” says Prof Chandran.

Anchoring the University’s work in clinically-oriented research and delivering high level care and world-class research is a top priority, particularly for the Euan MacDonald Centre. “World-leading research and improving patient care go hand-in-hand. To that end, we’re establishing a dedicated MND clinic in Edinburgh later this year, which will look after patients with the disease and provide a resource for research.”

COMBATING LIVER DISEASE

University of Edinburgh scientists are also advancing their knowledge of how human embryonic stem cells can be used to fight liver disease. As Professor John Iredale, Professor of Medicine at the MRC Centre for Regenerative Medicine at the University, explains, multi-million pound funding from Scottish Enterprise and the Medical Research Council in collaboration with the UK Stem Cell Foundation is helping his team to build on its work. “We have a group led by David Hay that has established a very robust and efficient mechanism of generating hepatocytes (liver cells) from human embryonic stem cells,” says Prof Iredale. “Ultimately, we would like to find a means of using these cells to aid patients. However, in the mean time we have set more immediate and realistic goals.”

“IT’S POSSIBLE to TAKE a MATURE, ADULT CELL and RE-PROGRAMME IT TO BECOME a STEM CELL”

The ability to generate hepatocytes from human embryonic stem cells has the potential to significantly impact on two fields – drug testing and using the cells in bio-artificial livers. In terms of drug testing, pharmaceutical companies currently rely on obtaining, often not particularly good quality, liver cells from patients having operations on their livers or from animals, but that has changed. “Now, for the first time, we have a means via which we can create potentially unlimited numbers of uniform liver cells of a high quality for drug testing,” explains Prof Iredale. “Within this area, we have also made two other exciting advances. We have worked closely with Mark Bradley in Chemistry to identify a synthetic matrix on to which we can put the cells where they remain in a viable state to do these assays. This in itself is a big step forward.

“Up until 18 months ago everyone was using human embryonic stem cells because they were the only available human cells. But recently a group in Japan, and latterly a group working in the University’s King’s Buildings, identified that it’s possible to take a mature, adult cell and re-programme it to become a stem cell. We have adapted our protocol so that we can make hepatocytes from re-programmed cells. This opens up a whole new arena for drugs testing as it means you could develop drug testing resources that reflect all the subtleties of metabolism across a range of potentially hundreds of humans.”

FASTER DRUG DISCOVERY

This development has attracted much attention as it will accelerate the drug discovery process by being able to test drugs for adverse reactions at an earlier stage. “The great thing about this work is that it’s very much on the horizon and not blue sky thinking,” says Prof Iredale. “Our research exploring ways to use these cells in a bio-artificial liver is also well underway.

“A bio-artificial liver is like a dialysis machine for liver failure. So far our studies to advance the use of bio-artificial livers has been stalled by the lack of access to unlimited, high-quality, uniform liver cells. This application does not raise immunity issues unlike transplanting cells, as all the action takes place in a cartridge outside of the patient’s body.

“Our long term aim is to make liver transplants possible, but that is still a long way off. But the University’s work is truly world class. Our method of generating hepatocytes is the best and most efficient, and we’re at the leading edge in the world in this kind of technology.”
on 13 september 2009, Tim campbell and four friends swam across the moray Firth, from navity Farm, cromarty on the black isle to nairn – a distance of approximately seven miles – to raise funds for the euan macdonald centre for motor neurone disease research. The centre was founded in 2007 following a generous donation of £1m from donald macdonald, whose son euan has mnd.

“The swim went really well. it was pretty chilly though, of course, and as i’m far from being athletic, i was out of my comfort zone,” says Tim. “Euan is one of my best friends. I was best man at his wedding and I have known him since school. It has been amazing to watch how he and his family have coped with his illness over the years, so I wanted to help. Euan’s positive outlook is really inspiring and I’m pleased to have had this opportunity to contribute to research that will potentially help Euan and others like him. So far we’ve raised nearly £8k and I’d like to thank everyone for their generosity.”
a 21st CENTURY MASTERPIECE

September saw the completion of the second phase of the redevelopment of the Main Library. A timely makeover has rejuvenated this national treasure.
21st Century masterpiece
As one of Edinburgh’s most famous literary sons, Ian Rankin knows a thing or two about books. It was fitting, therefore, that the award-winning writer was the guest of honour as the University unveiled the latest phase of the major redevelopment of the Main Library.

The best-selling author, who studied English Language and Literature at the University from 1978–1985, and wrote his first two novels while studying here, returned to his former stomping ground to admire the completion of the ground floor renovation.

“I spent seven crucially formative years of my life at the University of Edinburgh, and hardly a day went by when I wasn’t a visitor to the Library,” he said. “Then, as now, books were expensive, meaning the Library was a godsend. But it also stored material crucial to my own research and unavailable elsewhere.”

The ceremony marked another major step in a £60m, five-year redevelopment project – scheduled for completion in 2012 – aims to enhance the building’s original architectural features, while updating facilities to reflect the demands of the 21st century, as Director of Library Services Sheila Cannel explains: “When the library was first built, ‘study’ was a fairly solitary occupation,” she says. “It was based largely around a mix of attending lectures, note-making, and reading books and journals, and the building’s design reflected that.

“That has changed now, with students integrating knowledge gained from books with other methods of learning, such as giving presentations, holding small group discussions and using internet resources, so that’s been borne in mind and built into the design.

“We’ve really tried to take the quality inherent in the original design in this very fine, distinctive and iconic building, and then adapt that to cater for the needs of today’s students.”

**CREATING FLOW OF LIGHT, PEOPLE, IDEAS…**

Sir Basil’s original design used concrete, wood and glass, arranged in a striking rectilinear style, to create a distinctively contemporary feel, and this has been carefully preserved, with much of the original furniture refurbished and reintroduced onto the redeveloped floors. New additions have been chosen to complement the original materials that create a 1960s chic feeling.

The division between inside and outside, meanwhile, has been softened by the addition of large expanses of glass in the entrance to bring in natural light, and the creation of a new meeting space for students at the front of the building.

Inside, gently curving and rounded shapes have been built into the furniture to soften existing rigid lines, sweeping panoramic views of the Meadows and George Square have been created, and colour-coded areas that reflect the shades of the natural environment outside indicate ‘hot spots’, designated for conversation, discussion and collaborative work, and ‘cool zones’ for quiet, contemplative study.

These carefully thought-out modifications aim to create a harmonious flow of light from outside to indoors and around the building, which complements the movement of people and smoothly shifting functions of different areas within the Library.

“The building has been redesigned so that people, ideas and conversation can flow in, and out and around the building,” explains Sheila. “We have created a building that’s based around ideas.”

**OPENING UP SPACE – AND KNOWLEDGE**

The process of ‘opening up’ the building architecturally, with the removal of barriers and rigid lines, has been mirrored by a reorganisation of the Library’s resources, which aims to make them more easily accessible. “The concept of opening is a very important one,” says Sheila. “It can mean opening up the space, so there’s more of a link between the outside and inside, but it also means opening up our collections. By that we mean making books easier to find for students, but also making our special collections more available.”

In keeping with the theme of ‘opening up’, a key addition to the Library is an elegant new Exhibition Room, which will house temporary exhibits of items from the University’s special collections. Open to members of the general public, students and alumni, it will ensure improved access to treasures such as the world’s finest surviving copy of the Aberdeen Breviary and the library of the poet William Drummond, which was bequeathed to the University in 1626. An area outside the exhibition space containing seating, specially designed as a space for discussion or presentations, has also been incorporated.

The Centre for Research Collections, housed on the fifth and sixth floors, and completed in the first

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**AN A-LISTED TREASURE**

Constructed in 1967 by the renowned architect Sir Basil Spence, the Main Library in George Square is a Grade A-listed building and recognised as one of the country’s finest examples of post-war architecture. The £60m, five-year redevelopment project – scheduled for completion in 2012 – aims to enhance the building’s original architectural features, while updating facilities to reflect the demands of the 21st century.

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**EVERY ELEMENT EXUDES CALM AND SPACE**

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**CREATING FLOW OF LIGHT, PEOPLE, IDEAS…**

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The Centre for Research Collections, housed on the fifth and sixth floors, and completed in the first
stage of the redevelopment project, has also been designed to become a light, spacious and relaxing area for quiet study, with an adjoining Research Suite, Conservation Unit, Treasures Room and Viewing Gallery allowing readers to access either digital copies or original items from the special collections.

**ADAPTING TO CHANGING NEEDS**

The key motivation behind this extensive project has been to create the optimum environment for study to benefit future generations, with new features incorporated into the building to cater for the diverse ways in which today’s students learn. One of the most radical additions is the ‘group study pods’ – semi-enclosed small study spaces where students can hold discussion groups and peer-to-peer tutoring sessions, practice presentations, or simply work together, brainstorming ideas and thinking aloud. There are 18 ‘pods’ on the ground floor, half of which are equipped with PCs, wall-mounted plasma screens, plugs for earphones and whiteboards.

Similarly, a new café, now situated in a light and spacious spot at the main entrance, has also been designed to create a more welcoming ambiance and provide an area for informal study and discussion. As Sheila notes, it has been a hit with the students: “The new café is proving exceptionally popular,” she says. “If you walk in, the number of people who are sitting there with a coffee, either in groups or on their own, working, is just remarkable.”

The reorganisation has also taken into account the varying needs of students, focusing particularly on freshers who may have had limited experience of academic libraries and could perhaps feel intimidated by the sheer scale of the building in its previous layout. “The ground floor is very vibrant, and contains the HUB, or high-use book collection. This is intended for use by students new to the University who might find the Library fairly difficult to navigate owing to its size,” explains Sheila.

“It contains the most commonly sought after books to help get them started, and also has a study space, and then, as they become more comfortable with the environment, we would expect them to move up through the building into the more specialised and quieter areas.”

**“A BREATHTAKINGLY BEAUTIFUL ACCOMPLISHMENT”**

The resounding success of the redevelopment has been testified to by a significant increase in student numbers using both the Centre for Research Collections on the fifth and sixth floor, and the entrance floor. “It’s been very, very busy, we’ve had a huge expansion in the number of people using the ground floor,” says Sheila. “The good thing is that we have more redeveloped space coming in February – it will certainly be needed.”

Significantly, the most enthusiastic endorsement so far has come from the University’s student newspaper *The Journal*. Describing the redeveloped ground floor as “a breathtakingly beautiful accomplishment”, the newspaper noted that “every element exudes calm and space – except the study pods, where cocoon-like enclosures offer the perfect setting for isolated concentration.

“Wall-mounted screens that can be hooked up to laptops, so that tired eyes can get some respite from tiny script, demonstrate the depth of thought and consideration exerted by the designers towards the eventual users. To those responsible, thank you.”

It is a sentiment echoed by Ian Rankin, who praised the new layout for incorporating informal areas to encourage interaction and discussion.

“The biggest thing that I got out of the Library in my early weeks when I first arrived here as a fresher was just talking to other people doing the course. That interchange of information was hugely important,” he says. “This is much more open and inviting and engaging. Student life has changed and students, universities and ways of learning have evolved and a library has to change with them.”
“WE’RE GOING THROUGH a NEW INDUSTRIAL REVOLUTION AND WE’RE TRYING to MAKE the WORLD MORE ATTRACTIVE, RELIABLE AND SUSTAINABLE for OUR CHILDREN, and OUR CHILDREN’S CHILDREN”

Through its internationally recognised research, knowledge exchange and innovation, the University of Edinburgh is setting the agenda on overcoming one of the greatest threats facing our planet
Via a number of key partnerships with governments, private enterprises and research institutions across the world, the University of Edinburgh is at the forefront of the world’s most important innovations to help secure a sustainable future for everyone. It is striving to address the complexities of environmental change and inform policy making for sustainable development. With 15,000 ministers, officials and campaigners from 192 nations across the globe meeting in Copenhagen for the 15th United Nations Conference on Climate Change on 7–18 December 2009, it’s clear that the outcome of the University’s mission to curb greenhouse gas emissions is one that will impact every corner of the world.

**CLEANING UP COAL**

One of the most ambitious initiatives being led by the University of Edinburgh researchers is the carbon capture and storage programme. This multi-million pound project aims to remove 89% of the carbon in emissions produced by industrial power plants and transport it deep below the North Sea, where it can be stored safely. The project could drastically reduce the amount of carbon produced by power stations from 900g per kWh of electricity to just 100g.

Professor Stuart Haszeldine of the School of Geosciences explains: “Instead of sending carbon dioxide up a chimney to dump into the atmosphere from a power station, we bubble that carbon dioxide through a solvent, to capture and purify it in that solvent,” he says. “That leaves us with pure carbon dioxide which is liquified at 70 atmospheres or greater pressure, and that can then be taken away by a pipeline to be injected into porous rock layers deep beneath the North Sea.”

The University of Edinburgh has initiated the world’s largest university research programme into carbon capture and storage, launching the world’s first MSc in the subject and, with sponsorship from ScottishPower, establishing the world’s first professorship in carbon capture and storage.

In partnership with Heriot-Watt University and the British Geological Survey, the University has also led the first ever comprehensive study to assess the carbon storage capacity of offshore Scotland. Sponsored by the Scottish Government, and in partnership with 29 different companies and commercial organisations, the study has revealed that deep beneath the North Sea, off the Scottish coast, is a wealth of aquifers – rock formations rich with microscopic pores that can effectively trap carbon dioxide and lock it away within the Earth’s crust. The study suggests as much as 50 billion tonnes of carbon could be securely buried over the next 200 years.

The team’s work is now concentrated on carrying out more detailed analysis of selected potential sites and it hopes to be in a position to make commercial proposals to power companies in just 12 months’ time.

Meanwhile, the world’s largest pilot of carbon capture at a coal-fired power station is scheduled to begin at Longannet power station in Fife in 2015, pending funding from the UK Government, with plans for the process to be rolled out across the UK as standard from 2020.

However, Prof Haszeldine says, while the prospects look promising, receiving funding is paramount to the future of the project. “We’re standing on the brink of this fundamental change and if this goes ahead the world would start to make very big cuts in emissions in a very short timescale. But we need to be ready to go by 2014. It’s important for us to get on with it in Britain, both so that we can clean up our emissions and so that we have a chance to sell our expertise around the world.”

**HARNESSING THE POWER OF PLANTS**

Another University of Edinburgh project that aims to tackle atmospheric carbon levels is, literally, even more down-to-earth. ‘Biochar’ is the name given to a special kind of charcoal that can ‘trap’ carbon from plants, to use as a soil improver. When buried, the biochar can lock carbon away in the earth for centuries, bringing down atmospheric carbon dioxide levels and re-stocking soil carbon. "Instead of working on the big power station scale, this is working on the individual farm, or at village scale," explains Prof Haszeldine.

Thanks to a grant from the Engineering and Physical Sciences Research Council (EPSRC), the University has established the first UK centre of biochar expertise, which will look at how the material affects the soil and the plants that grow in it, as well as examining and classifying the varying types of biochar that can be made from different crops.

Despite the apparently humble scale of the technology, Prof Haszeldine says biochar has as great a potential as carbon capture in the fight against global warming. “We have calculated that we could make this commercially viable, so that people can make a profit from it – either because they can be paid to put carbon in the soil or by saving money when using it instead of artificial fertilizer,” he says. “It could be that 20% of the world’s annual carbon emissions could be returned to the soil with this. There are a few years to go between the university stage and the full commercial stage, but it looks extremely promising.”
**SAVING MALAWI’S FORESTS**

Of all the factors behind climate change, one of the most devastating is deforestation. While petrol-fuelled transport, coal and gas-powered power stations and industrial agriculture all contribute to global warming, the deforestation or degradation of forests contributes around 17% of greenhouse gas emissions – more than the entire global transport sector.

The crisis facing the Brazilian forests has been well publicised but Dr Iain Woodhouse of the School of Geosciences has been concentrating his efforts instead on the south-east African country of Malawi.

“Forests are one of the few natural resources that Malawi has but, as in most places in the world, the land is more valuable if you get rid of the forests,” explains Dr Woodhouse. “So the question we’re faced with is – how do you incentivise people not to cut down a forest and add greater value to the forest as a living entity?”

The scheme Dr Woodhouse and others are hoping could provide an answer is called ‘REDD’, or Reduced Emissions from Deforestation and Degradation. It has the potential to provide local people with credits for carbon contained within the forest, which they can then trade in for cash or other commodities.

Dr Woodhouse has been working with the Malawian authorities for three years, originally as an Academic Exchange Fellow of the Scotland-Malawi Partnership, surveying and recording Malawi’s forests. He explains: “My particular expertise, normally referred to as ‘remote sensing’ or ‘Earth observation’, is in using aircraft and satellites to measure forest properties.

“In the context of Malawi, they still don’t really know where all their forests are, so we’re trying to help them set up their own system to manage their forest resource using satellite imagery.”

The team are hoping to promote REDD at the Copenhagen conference and they aim to ensure smaller countries don’t lose out in the political bartering.

“The particular challenge for Malawi is that much of their woodland is in small patches and, at the international level, they may decide they only want to include large areas of forest because they are easier to verify. So that’s something we are specifically looking at – trying to quantify two particular sites where there’s encroachment into what should be protected forest,” adds Dr Woodhouse.

**INVESTING IN THE FUTURE**

Evidence of the University of Edinburgh’s international reputation for research excellence is demonstrated by the number of partnerships the University has established with leading commercial organisations. Hopewell Wind Power is a Hong Kong-based company specialising in renewable wind energy and has recently pledged £120k to sponsor two PhD scholarships within the Institute for Energy Systems at the University.

Prof Robin Wallace, Head of the Institute for Energy Systems in the School of Engineering and Electronics, believes that the Scholarships will facilitate a valuable collaboration between Hopewell and the University. “This collaboration has enabled us to expand our research into electrical generators for direct drive wind energy systems,” he says. “The first PhD student started to work on structural design and optimisation in November, and it is anticipated that the other PhD student will join in February 2010 to work on novel electrical generators. Both of these projects will enable Hopewell Wind Power to make informed decisions on the choice of generator technology for their wind turbine technology.”

**A NEW INDUSTRIAL REVOLUTION**

Through these initiatives, the University of Edinburgh is leading global efforts to protect our future. However, as Prof Haszeldine explains, this work is reliant on the support of governments, private enterprise and individuals.

“This is important work, for a sustainable, positive future, to enable us to try and maintain our prosperity and the high standard of life that we have, maintain our own security, and our civilisation, maintain an energy supply and good quality food supply 24 hours a day, seven days a week,” he says. “We’re going through a new industrial revolution and we’re trying to make the world more attractive, reliable and sustainable for our children, and our children’s children. We have had a big donation from ScottishPower, which is a very tangible statement, but we are constantly on the search for new funding – for example to buy the first pyroliser to make controlled biochar at a UK University, and, of course, we welcome any donations from individuals or foundations that could help us in our goal.”

If you would like to find out more, please contact Margaret Clift-McNulty, Development Manager, on 0131 651 4222 or email margaret.clift@ed.ac.uk
Banco Santander set up the Santander Universities network in 1996 to provide financial support to students and staff of universities in the countries where the bank has a strong presence. When the network was extended in 2007 to include UK universities via its subsidiary Abbey National plc, the University of Edinburgh was an obvious choice to include in the network. Luis Juste, Director of UK and Portugal, Santander Universities Global Division, explains: “The University of Edinburgh is one of the top universities in the world, so we wanted to collaborate with them. Supporting the University is a great way for us to be more involved with the community. It is also a key way for us to contribute to society’s welfare.”

Abbey National signed a three-year agreement with the University in October 2007. In year one £50k...
was donated – divided between scholarships, entrepreneurship projects and travel grants.

Now in year two of the agreement, Abbey has increased its funding to £75k. “This will provide a minimum of seven scholarships for each of the remaining two years of the scheme for MBA, International MBA and other Masters students from Latin American and Iberian countries to study at the University of Edinburgh,” says Luis. “The third year of the agreement will see a further 20 scholarships made available to students from Argentina, Brazil and Chile for postgraduate Masters study in any subject.”

In addition to the Masters scholarships, Santander Universities will also provide travel awards for students and staff to study or work overseas, round table events to give students an opportunity to interact with the business community and incubator spaces to promote business development. Prizes of £1,000 will be awarded to top-performing student entrepreneurs.

During a ceremony in the Playfair Library in July 2009, when the new agreement was signed, Emilio Botín, Chairman of Santander, said: “When we decided to extend the Santander Universities network to the UK, Edinburgh was undoubtedly one of our partners of choice. Since then our partnership has been growing stronger and it is now well established. We would like to show our gratitude to the University of Edinburgh for this extraordinary friendship by increasing the total amount pledged.”

Professor Sir Timothy O’Shea, Principal of the University, travelled to universities in Chile, Argentina and Brazil in October to strengthen the University’s ties with the institutions.

Building upon these relationships is vital for students studying in these areas and for the University of Edinburgh’s staff and students. “Historically, the UK has looked east to China, India and South East Asia to attract international students. Spanish and Latin American students have tended to look towards American universities, such as Harvard and Yale,” explains Luis. “However, the UK is home to some of the world’s leading universities and we believe that it’s important to highlight this to those studying in Latin American and Iberian countries. It’s also important to increase the presence of Spanish-speaking scholars in UK universities as they have much to bring to the table. We are proud to work with the University of Edinburgh to help make this happen.”

**ADELINA FRISLID**

Adelina Frislid is currently pursuing a MSc in Carbon Management at the University of Edinburgh thanks to the support of the Abbey Scholarship:

“When I first arrived in Edinburgh from Mexico in September, I had never been to Scotland before but I had visited London. The Scholarship reaffirmed my decision to come to Edinburgh and it is allowing me to better enjoy living and studying in this marvellous city without feeling too much of the financial burden of a typical student’s life.

I’m proud to have received the Scholarship as it gives recognition of the effort and dedication that I have given to my academic studies. I obtained an undergraduate degree in Business in Mexico five years ago and since then I had been working at Statoil Hydro (a Norwegian oil company) and IBM in Mexico. Receiving this Scholarship has been very important to me as I believe that knowledge of carbon management and related subjects, such as sustainability, efficient energy use and climate change, are vital for everyone’s future and will also give me the edge when I return to Mexico after my studies.

Right now, my studies are just beginning and, although I’m overwhelmed at times by the change in location, Edinburgh has a great atmosphere for students that is very conducive to learning. It’s fantastic that there are so many other students from all parts of the world to meet. But most importantly, the team of professors and researchers at the University are experts in this field, and are a true inspiration.”

**SANTANDER UNIVERSITIES PROGRAMME BY NUMBERS**

1996

THE YEAR IN WHICH THE PROGRAMME WAS LAUNCHED

4

THE NUMBER OF CONTINENTS IN WHICH IT OPERATES

35

THE NUMBER OF BRITISH UNIVERSITIES THAT BELONG TO THE NETWORK

700

THE NUMBER OF UNIVERSITIES THAT BENEFIT FROM THE SCHEME

*As of 11 January 2010, Abbey National plc will change its name to Santander UK plc. This means that Abbey and the Bradford and Bingley savings business are changing to Santander.*

**EDINBURGH friends**
a LASTING
By remembering the University in their Will, alumni and other supporters of the University of Edinburgh, are helping to break down the financial barriers to pursuing higher education and uncover the research breakthroughs of tomorrow.

"Many people have been touched by illness, if not directly then via a family member or friend. Donating to research into conditions for which no known cures exist, such as Multiple Sclerosis, Alzheimer’s and Dementia, helps our pledgers know that they are making a fundamental contribution towards the health of future generations," says Joanne.

All legacies promised to the University make a hugely important contribution to its success. However, unrestricted legacies are particularly valuable, as Joanne explains: "Unrestricted legacies mean that the University can choose to channel these funds wherever there is greatest need. At the moment this happens to be in the area of scholarships and bursaries, but as we cannot predict what our future holds, unrestricted giving is very much welcomed."

The University of Edinburgh Campaign’s average annual income on legacies is approximately £2m. "We are very grateful for this extremely generous and consistent support. We have also enjoyed a couple of bumper years where we have received around £4.5m, which constitutes a tremendous boost – we can do so much great work with these funds," adds Joanne.

It’s never too early to think about your Will – so far, the youngest person to leave a legacy to the University was 28 years old when they made the pledge.

New legacy givers are recognised in the University’s annual Donor’s List. Principal and Vice-Chancellor, Professor Sir Timothy O’Shea, also hosts an annual reception in his home in the run up to Christmas for all new legacy donors.

In Joanne’s experience, leaving a legacy is also a positive step for pledgers. “The people who I meet through work are quite pragmatic about putting things in order for the future and see thinking about what’s going to happen to their possessions and estate once they’re gone as a positive step,” says Joanne. “Ultimately leaving a legacy is often about giving something back in recognition of the experiences they enjoyed at the University of Edinburgh and creating a sense of continuation of their memory through opportunities to put their name to scholarships, bursaries or research.”

Leaving a pledge for scholarships and bursaries is a key way to ensure that young people and mature students, who may not otherwise be able to afford to attend university, can fulfil their potential. Medical research is also a popular choice for legacies.

"Total membership of the Carlyle Circle currently stands at 942 and we are aiming to have more than 1,000 members in 2010. We would encourage those who have pledged to let us know, so that we can thank them and recognise them in their lifetime through the Carlyle Circle," explains Joanne Finnie Jones, Senior Development Manager for Legacies, at the University of Edinburgh. "So far, £23m of income has been received by the University of Edinburgh Campaign via legacies, so they constitute a vital source of support for the University."

In tribute to Thomas Carlyle, anyone who pledges a legacy to the University in their Will is invited to join the Carlyle Circle – members receive invitations to special events, lectures and receptions to keep them informed on how their generosity will help the University continue its innovative research and attract the brightest academic talents.

"When former rector of the University, and one of the leading luminaries of Victorian times, Thomas Carlyle left a legacy to the University of Edinburgh following his death in 1881, he may not have realised it, but he set a precedent that hundreds of others would follow. In tribute to Thomas Carlyle, anyone who pledges a legacy to the University in their Will is invited to join the Carlyle Circle – members receive invitations to special events, lectures and receptions to keep them informed on how their generosity will help the University continue its innovative research and attract the brightest academic talents."

GIVING BACK

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The University of Edinburgh Campaign’s average annual income on legacies is approximately £2m. "We are very grateful for this extremely generous and consistent support. We have also enjoyed a couple of bumper years where we have received around £4.5m, which constitutes a tremendous boost – we can do so much great work with these funds," adds Joanne.

It’s never too early to think about your Will – so far, the youngest person to leave a legacy to the University was 28 years old when they made the pledge.

New legacy givers are recognised in the University’s annual Donor’s List. Principal and Vice-Chancellor, Professor Sir Timothy O’Shea, also hosts an annual reception in his home in the run up to Christmas for all new legacy donors.
Another substantial legacy has been pledged by Michael and Sue Dennis. The six-figure sum will help create scholarships for the Royal (Dick) School of Veterinary Studies. Michael and Sue explain why they chose to leave a legacy to the University:

“We don’t have any family, so we concentrated on our careers. When we retired in 1998, we got an 18-month-old black Labrador called Jet. He had arthritis in his front legs, which is very unusual. We took Jet to see lots of vets and we were told that there was little that could be done, and that we shouldn’t expect him to live too long.

“Then a friend suggested that we try a veterinary college, so we turned to Edinburgh’s Royal (Dick) School of Veterinary Studies and we met a great professor who examined Jet. He also confirmed that few treatments were available for Jet’s condition, but he gave us advice on how to manage his lifestyle to give him a better quality of life. Jet turned out to live to be ten, which was quite a surprise!

“We believe that there are lots of people out there who want to study veterinary science and who would benefit from a little extra financial support to follow studies in the field. We wanted to help make this possible, so pledging a legacy to fund scholarships for the Dick Vet School seemed a natural choice.”

A GIFT WITHOUT LIMITS

The University recently received a £900k unrestricted legacy from the late Dr. Helen Tonge, which will support one of the current areas of greatest need – scholarships and bursaries. Dr Tonge graduated from Edinburgh in 1943 with a MB ChB and pledged her legacy in 2000.

A close friend of Dr Tonge, Sylvia Pickering, tells Edinburgh Friends why she is unsurprised by Dr Tonge’s generosity. “I met Helen when she was the resident doctor in our community child health clinics, and I was working as an auxiliary. We had weekly chats during our lunch breaks. She was so lovely to all the children and parents. She was a very sweet and gentle lady. She always took a great interest in my two daughters, right to the end.

“After she retired, we kept in touch through Christmas cards until her husband died in 1992. She donated a substantial sum of money to the Dental School at the University of Newcastle-upon-Tyne (where he worked), which resulted in the Howard Tonge Fellowship.

“Then in the February of the following year, I lost my husband very suddenly, and Helen was always there for me, as I was there for her. Since Helen did not have any children and her other family members were financially secure, she wanted to use her Will to help others. Leaving a legacy gift to the University of Edinburgh is just one of the many wonderfully selfless acts made by Helen during her lifetime.”

We would encourage those thinking of pledging a gift to get in touch with the legacy team, Joanne Finnie Jones and Morag Murison, on 0131 650 2240 or email joanne.finnie@ed.ac.uk or morag.murison@ed.ac.uk to ensure that your wishes can be met.
## THE UNIVERSITY OF EDINBURGH

**WOULD LIKE TO THANK the FOLLOWING SUPPORTERS for THEIR KIND GENEROSITY**

We would also like to thank those donors who wish to remain anonymous.

---

### HOW TO FIND YOUR ENTRY

To allow you to find your listing we have grouped donors by year of graduation in alphabetical order. You may be able to find some of your classmates too. Couples are listed together where they have specifically requested this.

$ denotes donor to The University of Edinburgh USA Development Trust Inc.

### GRADUATING ALUMNI

Graduates are listed by year of graduation.

#### 1930s

<table>
<thead>
<tr>
<th>Year</th>
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<tr>
<td>1930</td>
<td>Rev W Grahame Bailey, Miss Ann Deans, Mrs Winifred F G. Fiskerstrand, Mr Ian J Fleming, Dr William Hutton, Mrs Elizabeth T Macpherson, Mr James Paterson, Mr Alastair Storrar, The late Dr Duncan Taylor</td>
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#### 1940

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<td>1940</td>
<td>The late Professor Emeritus Walter Ledermann, Dr Ian McGregor, Mrs Mary E Rannie, Dr John Sexton</td>
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#### 1941

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<tr>
<td>1941</td>
<td>Dr Ellis Fraser, Miss Irene Park</td>
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#### 1942

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<td>1942</td>
<td>The late Rev Bill Cant, Mrs Marjory B Crippin, Dr Marian Davies, Mrs Frances T Docherty, Mr John A Jenkins, Mrs Joan D Kidd, Dr Keir Leitch, Sir Donald McCallum, Miss Jessie Reid, Mr Peter C Stallybrass, Miss N Stewart</td>
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#### 1943

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<td>1943</td>
<td>Professor John W Cassels, Mrs Winifred F Czulinski, Miss Jean Ewan, Dr Eric Ross, Dr Robert Southern, Professor Henryk Urich, Mrs Anne W Vailings, Dr John Wilson, Mr George B Yuille</td>
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#### 1944

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<th>Year</th>
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<td>1944</td>
<td>Dr John Brown CBE, Dr Alexina Morrison, Mrs Winifred Munro, Rev James P Proudfoot, The late Dr Robert Ritchie, Mrs Catherine M Smith, Mr Leslie Scott Smith</td>
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#### 1945

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<td>Dr John Abbott, Dr Arthur Bethune, Dr Malcolm Brown, Dr Mercedes Carvel, Mr Cleat, Miss Cecily Giles, Miss Evelyn Harrower, Professor Emeritus Asher S Kaufman, Mrs Mary Lovell, Dr Margaret Macnair, Dr Alastair McIntosh, Professor Emeritus Donald McIntyre, Mrs Mary P Mudd, The late Mr Donald F Walker, The late Rev Dr John M Wilkie</td>
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#### 1946

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<td>Mrs Elizabeth Corson, Mr William Crosby, The late Professor Sir Abraham Goldberg, Dr Joyce Grainger, Dr Jane Grubb, Mrs Margaret Hambleton, Dr William Lonie, Mrs Monica Mann, Mrs Elizabeth O Rodde, Dr Charles Sim, Miss Irene Thomson, Mrs Jessie Wilson</td>
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#### 1947

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<td>1947</td>
<td>Dr Stella Baker, Rev Alexander Barr, Sir Donald Barron, Captain Eric M Brown, Dr James Buchanan, Dr Marianna Clark, Dr Marjorie Clark, The late Major General Joseph Crowley, Mrs Rosalind J Davidson, Dr John Dickson, Professor Emeritus Hugh A Dudley, Professor Keith M Dyce, Dr Arthur Kitchin, Mr Mieczyslaw Korwaser, Dr Robert Louden, Dr Alfred Marr, Mr Alan D Menzies, The late Mr Colin Murray, The late Mr Sidney Paton, Mrs Muriel I Philip, The late Rev Dr Andrew Todd, Dr Alfred Yarrow</td>
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#### 1948

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<td>1948</td>
<td>Dr Patricia Adams, Mrs Margaret S Agnew, Dr Elizabeth Beedie, Dr Douglas Bell, Miss Margaret Beveridge, Mr William Blythman, Dr Jean Boldy, Mrs Betty M Boyden, Mr Alistair Brownlie, Mrs Margaret G Campbell, Dr William Elliott, Dr Jean Gill, Dr John Gould, Mr Morton Gould, Mrs Catherine Gray, Professor Emeritus John C Holmes, Dr Alastair Howatson, Mr John Inglis, Mr Eric Jamieson, Rev Dr Wallace N Jamison, Mrs Aileen Kritzinger, Dr Monty Lawrence, Mrs Christian S Ledley, Miss Elizabeth Leishman, Mr Ian A McArthur, The Rt Hon Lord R K Murray, Dr Madeline Patterson, Mrs Vernie Rigby, Mrs Joan Slagt, Mr J A W Somerville, Mrs Margaret A Stewart, Mr Gerald F Storey, Mr Alexander Wallace, Dr Robert Whitaker, Miss Catherine Wilson, Miss Georgina Wilson, Mr Ian M Wilson</td>
</tr>
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1949
Dr Janet Bisset
Dr David Boyd
Mrs Patricia E Bransdon
The late Dr James Brown
Dr Sheena Brown
Mrs Hilary M Campbell
Mr Alexander Carruthers
The Hon Dame Mary Corsar
Dr Mary Davies
Dr Sheila Dean
Dr Kenneth Deas
Dr Alice Doherty
Mr Frank S Dorward
Professor Andrew Dunsire
Mrs Sybil J Elliott
Mr R A J Arthur
Dr David Wilson
Dr John Williams
Rev William Tyree
Miss Sheila Tennant
Dr Anne Rankine
Mrs Judith U Poore
Miss Megan Munro
Dr James D Lyon
Dr Allon Liver
Mr Michael Leburn
Mr John Jardine
Mr Ian Johnstone
Mrs Mary A Kalugerovich
Dr Leon Kaufman
Dr Helen Kirkpatrick-Campbell
Professor Emeritus
James D Knox
Professor John Knox
Mr Michael Leburn
Dr Allan Liver
Mr James D Lyon
Dr Sybil McNaill
Miss Megan Munro
Mrs Judith U Poore
Dr Anne Rankine
Mr Archibald Sprott
Miss Sheila Tennant
Mrs Anne H Troup
Rev William Tyree
Dr John Williams
Dr David Wilson

1950
Mr R A J Arthur
Dr William Birch
Mrs Joyce Blow
Darlington
Dr Margaret Cant
Mr John Chalmers
Dr John Collins
Mr William Crookston
Dr John Dreyer
Mr William F Duncan
Mr James S Ferrant
Dr Janet Fyfe
Mr Ian G Gilbert
Dr Margaret Glennie
Dr Kenneth Hall
Mr Richard C Ingram
Mr Elfred Jones
Dr Anne Lambie
Dr Margery Lawley
Dr Katherine Macdonald
Professor Emeritus
Alan G Macpherson
Dr Ronald McClure
Mrs Dorothy Meek
Mrs Sheela Reagh
M O’Donnell Bourke
Mr J B Payne
Professor Terence
M Penelhum
Miss Mary Peters
Mr Charles J Plouviez
Dr George Reid
Mrs Elspeth Roberts
Dr Elizabeth Rose
Mr John Shand
Dr Clyne Shepherd
Professor F Olaf Simpson
Dr Alan Smith
Dr Donalda Smith
Dr Rosemary Smith
Mrs Florence J Townshend
Dr David Vaughan
Rev Miss Jean Watson
Dr Denis Wray

1951
Professor Vivian
C Abrahams
Mr Matthew A Allen
Dr Frederick Anderson
Dr Hugh Barr
Dr Jean Barrington-Ward
Mr William A Bennie
Mr Peter Burrell
Mr David Brown
Mrs Janet D Buchanan-Smith
Dr Katharine Cameron
Mr Thomas Campbell
Dr William Cattell
Miss Catherine Cruft
Dr G Malcolm Dewar
Mr John A Fairless
Mr Allan Farquharson
Miss Joan Ferguson
Dr Alasdair Fraser-Darling
Mr James Gibb
Mr William Grassick
Mrs Margaret C Hahn
Dr Kenneth Hargreaves
Mr Ian C Hedge
Mrs Elizabeth
K M Jackson
Dr Barbara Johnson
Dr Alex Keay
Mr John Kellie
Mr David C Kerr
Mrs Sheila Kirk
Mrs Margaret A Kozd
The late Mr James
A Macalister
Mrs Helen MacLean
Mr George Mackintosh
Rev Mr Ronald Maxton
Dr Hugh McGeachin
Mr William P McLeish
Dr Patricia Miller
Professor Emeritus
J L Monteith
Mr William G Myles
The late Mr Adam R Napier
Mrs Catherine O Petzsch
Dr Adam Robertson
Mr D S Ross
Mr Frank Rourke
Sir William S Ryrie
Dr David Sim
Dr Isabella Smith
Dr Anne Sutherland
Miss Elizabeth Talbot Rice
Mr Peter J Walter
Dr Hugh Watson
Mr Alan C Williamson
Mr Philip T Williamson

1952
Mrs Barbara E Alexander
Dr Andrew Armstrong
Dr Douglas P Arrol
Dr Alastair Berry
Dr Sheila Birse
Dr Allan Black
Miss Dorothy Boardman
Mr William Bryden
Dr Margaret Burton
Dr Helen Caldwell
Mr Frederic Cheyne
Mrs Jean P Colquhoun
Dr G Alexander G Grease
Mrs Jane D Dewar
Dr Andrew Doig
Dr Peter Dootson
Mr Robert A Everett
Miss Catherine Foggo
Sir Charles A Fraser
Mrs Caroline V Haviland
Mr John Hunter
Rev Dr C Douglas Jay
Miss Elizabeth Kerr
Dr Alexander MacDonald
Dr Kathleen Macgregor
Mr Barrie W MacLean
Dr Thomas Manson
Miss Muriel McCurrach
Dr Gerald McGovern
Miss Marion McGrouther
Mr Alexander R McKenzie
Mr Douglas Mitchell
Mr John Mitchell
Mrs Elizabeth Pitcon
Mr John Quinn
Dr Michael Robinson
The late Dr Andrew Ross
Sir Kenneth B Scott
Mr Alastair W Sinclair
Dr Colin Thomson
Mr Stuart Turner
Dr Ronald Urquhart
Dr Kenneth Wilkie

1953
Dr Anne Adams
Mr Joseph R Banks
Miss Margaret Bastick
Mr George W Burgess
Mrs Jean M Collier
Mrs Mary E Cooper
Mr Stanley Freckleton
Mr John Gray
Mr Raymond B Herbert
Dr Ellen Hine
Mrs Elisabeth M Law
Miss Elise McLachlan
Mr Thomas H Norman
Dr Kevin O’Reilly
Dr Mary Ratcliff
Mr Stephen Seaman
Dr Robert Sellers
Dr Ann Silver
Dr Alistair Simpson
Miss Margaret Sturgeon
Dr Peter Waister
Mrs Elizabeth M Law
Miss Elise McLachlan
Mr Thomas H Norman
Dr Kevin O’Reilly
Dr Mary Ratcliff
Mr Stephen Seaman
Dr Robert Sellers
Dr Ann Silver
Dr Alistair Simpson
Miss Margaret Sturgeon
Dr Peter Waister
Mrs Elizabeth M Law

1954
Professor Emeritus
Michael P Banton
Darlington
Dame Elizabeth Blackadder
Miss Catherine Fogg
Sir Jean Fowlie
Sir Charles A Fraser
Mrs Caroline V Haviland
Mr John Hunter
Rev Dr C Douglas Jay
Miss Elizabeth Kerr
Dr Alexander MacDonald
Dr Kathleen Macgregor
Mr Barrie W MacLean
Mrs Muriel McCurrach
Dr Gerald McGovern
Miss Marion McGrouther
Mr Alexander R McKenzie
Mr Douglas Mitchell
Mr John Mitchell
Mrs Elizabeth Pitcon
Mr John Quinn
Dr Michael Robinson
The late Dr Andrew Ross
Sir Kenneth B Scott
Mr Alastair W Sinclair
Dr Colin Thomson
Mr Stuart Turner
Dr Ronald Urquhart
Dr Kenneth Wilkie

1955
Dr Peter Adams
Mr John Balfour Allan
Dr Elizabeth Angus
Mr David I Balfour
Mrs Margaret Campbell
Dr Bessie Catton
Mrs Georgina Duns
Dr Audrey Elder
Rev Dr J Paul Frelick
Professor Alexander Garrie
Dr Robert Harkness
Dr Derek Hendry
The late Dr Mary Mackenzie
Mrs Frances Mackinnon
Dr Kenneth Nichol
<table>
<thead>
<tr>
<th>Year</th>
<th>Names</th>
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</table>
| 1957 | Mrs Patricia Ahrens  
Miss Margaret Amos  
Dr Isabel Bevan  
Miss Denise Carruthers  
Rev Archibald F Chisholm  
Miss Elizabeth Clark  
Dr Colin Clarke  
Mr David Crawford  
Professor Adam S Curtis  
Mrs Marion De Quincey  
Mr Christopher Eadie  
Dr Nesta Farrow  
Professor Alisdair Geddes  
Dr Jane King  
Mrs Ruth Lamb  
Miss Margaret Livingstone  
Ms Heather Macaulay  
Mrs Margaret Macintosh  
Mrs Audrey Mackie  
Mr John McCulloch  
Dr Duncan McMartin  
Professor Henry Moffatt  
Air Vice-Marshal James Morris  
Dr Philip Osborne  
Dr Jean Parsons  
Dr Gordon Paterson  
Mrs Sydney Prentice  
Mr Donald Raine  
Mr Hugh Raymond  
Dr Joyce Richardson  
Dr Alex Robertson  
Mr Donald Rosie  
Mr Louis Sassi  
Dr Julian Shelley  
Professor Gerard & Professor Brenda Slavin  
Mr James Smith  
Mr Hugh Speed  
Dr Joanne Sutherland  
Dr Bruin Tammes  
Mr Ainslie Thin  
Dr William Wallace  
Mr W Alastair Weatherston  
Commander H Wilkie  
Dr Jennifer Willis  
Dr Michael Woodliff  
Dr Tessa Butcher  
The Rt Hon The Lord Cameron of Lochbroom  
Sheriff Ian A Cameron  
Mr Robert A Carswell  
Dr Alexander Christie  
Professor William T Clark  
Dr Eric Clive  
Dr James Crerar  
Mr James Davidson  
Dr Ann Dresser  
Mrs Noel Evans  
Dr James Gilgihan  
Mrs Irene H Graham  
Dr Margaret Grant  
Mrs Susan Haisman  
Mrs Elizabeth Horne  
Mr Anthony P Howatt  
Mrs Anne C Hughes  
Mrs Elizabeth F Laidlaw  
Mr John W Mackay  
Dr Katherine H Main  
Dr Harry McDonnell  
Dr Gordon McLennan  
Sir Ronald Miller  
Dr A Ross K Mitchell  
Mrs Irene Noble  
Dr Sadie Nuttall  
Mr Robert Owen  
Dr W George Paley  
Dr William Patterson  
Miss Moira Read  
Mrs Elizabeth J Reid  
Mr Lessel J Rennie  
Dr Keith Robinson  
Dr Angus Russell  
Mr Thomas Scott  
Dr K Brian Slawson  
Dr C Averil Snodgrass  
Dr J Stearns  
Dr Alison Stephens  
Dr Kenneth Stewart  
Professor Ian W Sutherland  
Miss Margaret Swinley  
Dr John Tavener  
Mr Alexander Urquhart  
Mrs Anne H Watson  
Dr Eve Willman  
Mr William S Young |
| 1958 | Dr Douglas Barker  
Mrs Grizel S Beese  
Mrs Eluned Blackie  
Dr John Burn MBE  
Dr George A David  
Mr D Graham Douglas  
Mr Hugh Dunn  
Mr William Eadie  
Mr Peter J Fale  
Mrs Sylvia D Ferguson  
Miss Marion Fisher  
Mr Kenneth Fraser  
Dr James Gray  
Mr James Halcro-Johnston  
Mrs Valerie N Hill  
Mr Alan P Laurson-Jones  
The late Dr Alexander Livingstone  
Mr James Lorrain-Smith  
Dr Ann MacGregor  
Mr Robert Mackay  
Dr Ronald Mackie  
The late Professor Alexander K Maconochie  
Dr Colin Mailer  
The late Dr John Mayhew  
Dr Marjory McKinnon  
Mr William Millar  
Dr Ronald Mulroy  
Mrs Jennifer M Munro  
Dr Margaret Powson  
Dr Trevor Ross  
Mr William Scott  
Dr Edmund Seiler  
Mrs Hazel Smith  
Mrs Olive & Mr Matthew Spicer  
Mr Robin C Sutherland  
Dr Nicol Thain OBE  
Dr J David R Vass  
Rev Dr Donald Warne  
Mr Ewen Watson  
Sheriff Alexander Wilkinson  
Mrs Shirley F Zangwill |
| 1959 | 1959 BDS 50 Year Reunion  
Mr Brian Bennett  
Mr James Blackie  
Rev Graeme Brown  
Mr Duncan Brown  
Dr Martin Eastwood  
Mr John R Edgar  
Rev Dr Vernon Elgin  
Dr David Flynn  
Mr David Foot  
The late Mr Alasdair Forrest  
Mr Alan V Fox  
Dr John Galloway  
Mr Kenneth A Gill  
Mr Iain G S Gray  
Mr William Groundwater  
Mrs Jessica Hannen  
Mrs Judith H Hayward  
Rev Robert M Hetherington  
Mrs Elizabeth Hewitt  
Dr Adrian Jackson  
Dr Peter Jackson  
Dr Thomas Kennedy  
Mr Neil Kilpatrick  
Mr John Lawson  
Mrs Helen M Leach  
Mrs Fay Lee  
Mrs Christine S Lessels  
Mr Victor Loewenstein  
Dr Isabel Mackay  
Dr Alasdair Maclean  
Miss Elizabeth Macmillan  
Mrs Audrey & Mr Brian Mattinson  
The late Dr Jeff Mawer  
Mr B A D McEwan  
Mrs Jean Miller  
Mr Keith R Munro  
Mr Michael H Munro  
Dr John Newman  
The late Professor James Philip  
Mrs Joan S Porgess  
Mr Alasdair F Roberts  
The late Dr Harry Rutherfurd  
Sheriff R J D Scott  
MRS Iren Scrivener-Bezze  
Mr James Slavin  
Mr Alistair W Smith  
Dr Bryan Stack  
Dr Margaret Steven  
Mr George W Tait  
Professor D R Fraser Taylor  
Mr Ian M Thomson  
Dr James Turner  
Dr Meredith Watkins  
Dr Anne Weatherhead  
Dr Margaret Webster  
Mrs Patricia Welage |
I’m delighted to have an opportunity to support the next generation coming through just now. I look back at our time at Edinburgh with just the greatest satisfaction and fondness. I want to see the University continue to prosper.

WILLIAM R. MCFARLANE BURSARIES

ALAN AND ANN MCFARLANE have funded 20 undergraduate bursaries since 2004 and this year gave the University a gift of £1 million for more access bursaries and two PhD scholarships, as well as the establishment of the Scottish Centre for Diaspora Studies. The awards were named after Alan’s late father William R. McFarlane.
Mr Alan Ramsey
Mrs Frances H Radcliffe
Rev John Murrie
Mr James Hunter
Mrs Alison Howard
Dr William & Mrs Jean Tait
Mr Robert Thom
The late Mrs Romaine J Train
Dr Penelope Watson
Mr Norman Watt
Mr John A Welsh
Mr Peter Whitfield
Mr James Wilkinson
Professor Jeffrey Williams
Mr John Wood

1973
Mr Christopher G Attken
Mr E M Clive Bax
Dr Alan Berry
Mr Alexander J Bowick
Dr Colin Boyd
Dr Ian & Mrs Angela Breffitt
Mrs Sheila E Cannell
Dr James Christie
Mr Henry Corrigan
Dr Kiron Das
Mrs J Morag Foster
Mr Robert P Gray
Dr William & Mrs Alison Howard
Mr James Hunter
Mrs Mary O Hutchinson
Mr Douglas G Johnston
Mr James S Lindsay
Mr Kenneth J Macpherson
Mr William B Mavir
Miss Linda McLaren
Mr Iain G Mitchell QC
Mrs Susan M Morse
Mr John S Murray
Rev John Murrie
Mrs Frances H Radcliffe
Mr Alan Ramsey

1974
Dr Margaret Auld
Mr James Beattie
Professor Jacques Bernier
Mr Stephen R Bourne
Mr Douglas A Connell
Mrs Dorothy J Cottrell
Mr Stephen Cowden
Dr Lesley M Cranfield
Dr Paula Farthing
Mrs Anne C Fraser
Mr Alistair K Gillies
Mrs Flora T Goldhill
Mr Kenneth B London
Mrs Linda J Lowseck
Mr Charles A Macgregor
Professor Barbara MacLaffie
Dr Helen Mack
Mr David McLetchie
Dr Robert Millar
Dr Michael Mitchell
Mr Keith B Morgan
Mr Peter Nicolson
Dr Kathleen Onori
Mrs Robin A Orme
Miss Valerie Ormrod
Dr James Parker
Mrs Hilary Patterson
Mrs Frances A Plummer
Mr Trevor Purches
Mr Robert Reid
Dr Pauline Robertson
Mr Peter Robson
Mrs Anne Ruprecht
Mr Ian & Mrs Fiona Russell
Miss Hilary Stokes
Mrs Janet Storey
Dr Robert Sunderland
Mr William F Tevendale
Mr David Willis

1975
Mr Michael Barron
Dr Paul Binns
Dr Gillian Broster
Rev Reginald F Campbell
Mr Andrew Chisholm
Mr David Collier
Prof C Court-Brown
Ms Eleanor C Waugh
Mrs Alexandra Weir
Dr Bronwen White
Dr Ruth Wynne-Davies
Mr Robert M Yeaman

1976
Mr David J Anderson
Dr Stewart Biggar
Dr Stuart Blackie
Rt. Hon. Lord Colin Boyd of Duncansby

1977
Mr Michael Addison
Mr Michael J Avery
Miss Kathryn Gairn
Mrs Caroline Campkin
Mr Robin J Carmichael
Mr Michael Carr
Mr Gordon J Cathro

1978
Dr Muhammad Abubakar
Dr Philip Booth
Dr Karina Brooke
Mrs Jann Brown
Mr Malcolm Buchanan
Mrs Ann Burleigh
Mr John Clement
Mrs Helen Croan
Mrs Rona K Frame
Mr Arnold Hetzer
Mr Michael S Hurst
Mr John Laidlaw
Dr Martin Laidlaw
Mr Martin W Laidlaw
Dr Margaret Laing
Mr Hugh & Mrs Josseline Langmuir
The Rt Hon the Earl Of Lindsay
Mr William Lorimer
Rev Malcolm M Macdougall
Mrs Muriel Mackinnon
Mr John M Tutton
Mr Paul Verney
Mr William J Windram

1980

Mr Ian R Baxter
Ms Fiona Beland
Dr Heather Borthwick
Mr Ian N Campbell
Mr Eric K Cochrane
Dr Douglas Dick
Mr Graham M Duncan
Mr John N Ellenby
Professor David Fergusson
Mrs Fiona Fleming
Mrs Rosemary Foxon
Mr Benjamin A Fry
Mr Martin Gray
Dr Rosemary Hall
Miss Gillian Harding
Mr David W Hay
Mrs Patricia Herbert
Miss Janet Lewis
Mr George W Mitchell
Dr Christopher Murray
Mr Iain S Murray
Mr Ronald Naismyth
Mr Ian F Paterson
Mr James F Pearson
Dr Pauline Phemister
Dr David Robson
Mr Gavin A Ross
Mr Paul I Rusten
Mr Douglas Sharp
Miss Fiona Shearer
Mr Alan G Smith
Dr Mary Smith
Mr John G Sturrock
Miss Ruth Suffolk
Mr Gavin R Tait
Dr T Jack Thompson
Mr Andrew Walker
Mrs Suzanne M Young

1981

Mr Colin Bendall
Dr Brian Chapman
Dr John Cherry
Mr Lewin J Cox
Mr Robert Ferguson
Dr Edwin Feulner
Mrs Jennifer M Fowles
Dr Paul Gaffney
Mr Colin G Hunter
Miss Alison Irvine
Mrs Fiona E Jeffery

Dr Susan Knox
Mr Colin C Maclean
Dr Anne McCrae
Mr Michael J McEwan
Mr Alan D Miller
Mr Robert Milligan
Mr Edward O’Clery
Dr Elizabeth Orr
Ms Shelagh Rixon
Dr William Scott
Mr James R Smart
Dr Elizabeth Snape
Mr Alastair A Stevenson
Mrs Robert B Sutherland
Mr Steven J Thomson
Mrs Fiona Watt
Mr William Webb
Mrs Aileen Woolhead
Mr George A Young
Mr R A B Young

Mrs Jill L Acheson
Mr David R Adam
Mr Benedict M Appleby
Mr Timothy J Barber
Mr Andrew Biggart
Dr David Booth
Mr John Brenmer
Mr Robert Brown
Mrs Mary Burn
Mr Andrew Cameron
Mrs Leslie Campbell
Mr Michael A Carney
Ms Jill Catterall
Mr Yagnish & Mrs Sima Chotai
Mr James G Conway
Mr Kenneth Rraig
Mr Niall G Cruickshank
Mr Goetz Eggelhoefer
Mr Malcolm J Galloway
Mr Malcolm I Gauld
Mr Alan George
Miss Euphemia Gilbert
Mr Richard Godden
Mrs Heather M Gourlay
Mr Murray Grant
Miss Margaret Griffiths
Dr Anthony Hayward
Mrs Penelope Hodge
Ms Susan C Horsburgh
Dr Keith Lindsey
Dr Rosemary Logan
Mr Gordon B Lyon
The late Professor Sir Neil MacMormick

Mrs Fiona J MacFarlane
Mr Donald R Mackay
Mrs Audrey A Macclaren
Mr Paul Meitner
Mr Alan J Midona
Dr Lyn Miller
Dr Stuart Monroe OBE
Dr Barbara Newman
Miss Lorraine Nicolson
Mrs Ann Parker
Dr Colin Paton
Professor Lewis D Ritchie OBE
Mrs Alison Smith
Mr David Stewart
Mr Yumin Tchen
Mr Nicholas J Teale
Mr David M Thomson
Mr Greig Tulloch
Dr John Walker
Dr Dorothy Welsh
Mrs C Fiona Wilson

1982

Mrs Susan C Horsburgh
Mrs Penelope Hodge
Dr Anthony Hayward
Mrs Jennifer M Fowles
Dr Paul Gaffney
Mr Colin G Hunter
Miss Alison Irvine
Mrs Fiona E Jeffery

1983

Dr Gillian Bond
Mr Douglas Brown
Dr Neil Carnabos
Mr Simon R Di Rollo
Mr Rory A Duncan
Dr Stuart Hay
Mrs Audrey Henderson
Mrs Fiona Hewlett
Mr Trevor J Kitching
The late Ms June Klemperer
Mr Douglas Leggate
Mr Andrew C Mackenzie
Miss Marina Marrelli
Mr David A McCordoule
Miss Aileen McKenzie
Mr David M McCordoule
Miss Aileen Murphy
Mr John & Mrs Lucy Owen
Professor Stephen Pattison
Dr Carol Peden
Mrs Ann Poyner
Mr Andrew Ramage
Dr John Ridgway
Mr Alastair A Robertson
Mr James L Scobie
Mrs Linda Seaton
Miss Helen Smith
Mr Andrew Biggart
Dr Marzouk Tenbakh
Mr John Truscott
Mrs Linda L Watson
Mr Roderick T Wishart
Mr David Wood
Dr Henry Wright

1984

Dr David Alston
Mr David P Bendix
Mr Charles Bowen
Mr Lorenzo Cabrera
Mr Robert H Cowham
Mr R J Foulds
Mr Robert Fraser
Mr Alexander B Gentles
Mrs Julian Ghosh
Miss Alison Hall
Mr T J D Hall
Mr John Haydon
Mrs Philippa F Herd
Mr Richard Hunter
Mr Christopher Keeling
Mrs Alison Kenny
Mr Paul A Leys
Mr Christopher Luckhurst
Mrs Elizabeth MacDonald
Rev Dr Marjory MacLean
Mr Robin I Mair
Mr Colin McCubbin
Dr Leemon McHenry
Ms Christine E Mullen
Mr John G Nicol
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Rev Dr Mike Ward has pledged a generous legacy to the University.

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“The University of Edinburgh opened up a whole new world (not to mention a career!) for me. You can’t put a price on university education and the personal memories of happy years spent as an undergraduate (and later postgraduate), but by remembering Edinburgh in my Will I hope in a tiny way some of those benefits may be shared by a new generation.”

REV DR MIKE WARD has pledged a generous legacy to the University.

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Neither of us have children, but we do believe that education is the future of the world. And if we can’t educate our own children, we’d like to help educate somebody else’s.

In addition to a generous legacy pledge, Derek and Maureen Moss have funded postgraduate scholarships in environmental science and an undergraduate access bursary.

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<td>1968</td>
<td>Mrs Glenis Allan, Mrs Brenda Atkinson, Mr Roderick Balfour, Dr Hilary Becker, Professor Robert Black, Miss Anthea Bond, Mr James P Cappon, Mr Brian Cruickshank, Mr Richard Forrest, Mrs Dorothy M Gilchrist, Miss Catherine Grubb, Miss Lesley Hepton, Mr Norman P Jackson, Dr Ian Mitchell, Mr Andrew S Poulter, Ms Hazel Sangster, Dr Frances Shaw, Dr Peter Taberner, Dr Janet Thomas, Mrs Hilary A Vandre</td>
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<td>1974</td>
<td>Dr Margaret Auld, Mr Robert J Bideleux, Mr G Eric Bruce, Dr Drew Clark, Mr Douglas P Da Costa, Mr James Lugton, Dr Jean Lugton, Mr David Lyle, Ms Fiona Rait, Dr Pauline Robertson, Dr Carey Singleton Jr</td>
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<td>1979</td>
<td>Mr John Angus, Mrs Sanjukta Christie, Mrs Georgina C Cuffe, Mrs Lesley A Lewis, Ms Catherine M Poulain, Dr Susan Scholey, Mr Stephen Thomason, Mrs Katherine White</td>
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<td>1980</td>
<td>Mr John Angus, Mrs Sanjukta Christie, Mrs Georgina C Cuffe, Mrs Lesley A Lewis, Ms Catherine M Poulain, Dr Susan Scholey, Mr Stephen Thomason, Mrs Katherine White</td>
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<td>Miss Pauline Seath</td>
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