



University
of
St Andrews

University of St Andrews The St Andard

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Watch the Birdie! One Man's View

The Quad with the Thorn in its Side
The Three Degrees

Scotland's first university

Produced by:

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Cover picture: Dr Will Cresswell,
School of Biology
Credit : Alan Richardson; Pix A-R

PEOPLE



Cath at St Andrews Cathedral

NAME: Catherine Dyce
POSITION: Hospitality
Manager, Residential and
Business Services

LAST GOOD BOOK - *Memoirs of an Unfit Mother* by Anne Robinson.

FIRST RECORD BOUGHT – My first single was *Cum on feel the Noize* by Slade and my first album was *Dark Side of the Moon* by Pink Floyd.

TOP HOLIDAY DESTINATION – My husband and I spent our honeymoon on a cruise on the Straits of Melaka, visiting Malaysia and Singapore, then had a further week in Thailand. The culture was so different, I would love to go back someday but this is unlikely as there are too many other places I want to visit.

HAPPIEST CHILDHOOD MEMORY – On a camping holiday in Inverness with my parents and brother. It rained so much that the roof of the tent had a huge belly of water. Dad had no choice but to push it up so it wouldn't rip the canvas. This of course led to a hand shaped leak. We spent the night listening to the water dripping into cooking pots. In the morning we discovered that we had inadvertently camped on a slight rise and

were the only tent on the campsite that wasn't flooded out.

IDEAL MEAL – A picnic on the beach – any beach, preferably warm!

MOST PRIZED POSSESSION – Our holiday home near Alicante in Spain which we bought three years ago and plan to retire to.

CHILDHOOD AMBITION – To learn to ride a horse – my friends used to go to riding lessons on a Sunday morning but I had to go to Sunday School. I finally realised my ambition when my own daughter was young as we went for lessons together.

FAVOURITE LOCAL HAUNT – St Andrews Cathedral. I enjoy sitting in the cloisters on a good day eating ice cream from Janetta's. It's so peaceful. We also tend to wander round the cemetery looking at the old gravestones.

FIRST LOVE (not necessarily a person!) – Travel.

ALL-TIME FAVOURITE FILM – *Braveheart*.

CURRENTLY PLAYING ON STEREO – *The Number One Musicals Album*.

THE PERFECT WEEKEND – Hitching up

In the Hot Seat (of learning)

Ever wondered what your colleague's childhood ambition was or what their prized possession is? In this regular feature, *The StAndard* delves into the personal lives and loves of our own staff.

the caravan on a Friday night and setting off for a site around one hour away. Once we get set up, we head for the closest 'chippy'. Saturday is spent wandering around the nearest town or village, checking out the shops, then back to the van for a BBQ (weather permitting). Lazy Sunday morning reading the papers and listening to music before brunch and packing up to come home. In short, doing as little as possible with no phones.



Jan on Elie beach

NAME: Doug Benn
POSITION: Reader, School of Geography and Geosciences



Doug with his favourite thing - a large ammonite from the Isle of Wight

LAST GOOD BOOK - I particularly enjoyed *Into the Silent Land* by Paul Broks and *The Curious Incident of the Dog in the Night-time* by Mark Haddon: both thought-provoking explorations of consciousness and personality. I'm currently reading *Darwin's Dangerous Idea* by philosopher Daniel Dennett, which is excellent.

FIRST RECORD BOUGHT - Single: *Daydream Believer* by The Monkees! Album: *Meddle* by Pink Floyd.

TOP HOLIDAY DESTINATION - California is hard to beat: desert, redwood forests, a stunning coastline, 4,000 metre peaks, and an android governor all in one State.

HAPPIEST CHILDHOOD MEMORY - Holidays by the sea, poking around in rock pools for days on end.

IDEAL MEAL - Indian, every time. Best enjoyed with a bottle of Cobra beer and a view over paddy fields dotted with egrets.

MOST PRIZED POSSESSION - A large ammonite found by my partner Sue and

me on our first fossil-hunting trip, on the Isle of Wight. The original, and still the best!

CHILDHOOD AMBITION - To be an explorer! I used to imagine hacking through the jungle, discovering new

places. Today, "explorers" are really just adventurers, so I think being a field scientist comes closer to my childhood ideal.

FAVOURITE LOCAL HAUNT - Kingsbarns beach, especially at dawn when only the eiders and the herons are about.

FIRST LOVE (not necessarily a person!) - Mountains! When I was growing up in Glasgow, I used to see the Highland hills rising beyond the city and always wanted to be among them. Mountains inspired my choice of career, and I still go climbing whenever I can.

ALL-TIME FAVOURITE FILM - *Austin Powers 2: The Spy Who Shagged Me*. Yeah, baby, yeah!

CURRENTLY PLAYING ON STEREO - *Five Leaves Left* by Nick Drake: still one of the most gorgeous records ever made. I also listen a lot to *Vespertine Live* by Bjork: I love her evocation of the northern winter and vast "emotional landscapes".

THE PERFECT WEEKEND - Can I go rock climbing in the Seychelles with Kylie Minogue?



NAME: Jan Darlington
POSITION: Receptionist, College Gate.

LAST GOOD BOOK - *Best of Friends* by Cathy Kelly.

FIRST RECORD BOUGHT - *Rapture* by Blondie.

TOP HOLIDAY DESTINATION - Fiji, even though I haven't been yet! I'm still working on that one! A top holiday destination that I have been to is Venice in Italy - I would love to go back.

HAPPIEST CHILDHOOD MEMORY - Walking my border collie with my dad.

IDEAL MEAL - My mum's roast dinner with Yorkshire puddings - can't beat it!

MOST PRIZED POSSESSION - My garden. I live on a farm so I have quite a lot of garden to maintain, so I seem to have developed green fingers!! Not exactly Alan Titchmarsh yet though!

CHILDHOOD AMBITION - That would be telling!!

FAVOURITE LOCAL HAUNT - Elie beach - it has wonderful views and nice walks.

FIRST LOVE (not necessarily a person!) - As if I'm going to tell you that! I would have to say it was my border collie, that's a safe

enough answer, don't you think?

ALL-TIME FAVOURITE FILM - I'm a bit of a movie buff, so I can't really say that I love one film. I would say one of my favourites is *Moulin Rouge* starring Ewan McGregor and Nicole Kidman.

CURRENTLY PLAYING ON STEREO - Keane *Hopes and Fears* and Natalie Imbruglia *Counting down the Days*.

THE PERFECT WEEKEND - I would have to say wine tasting in Cochem on the Mosel. I lived in Germany for three years when I served in the Royal Air Force and it was one of my local haunts.

If you would like to see any of your colleagues put in the hot seat, email your suggestion to magazine@st-andrews.ac.uk

Ancient Volcanic Ashes Unearthed

By Gayle Cook,
Press Officer

Rambling amongst rocks in the Scottish countryside hunting for ancient volcanic ashes is a favoured pastime of University technician Richard Batchelor.

Richard was bitten by the geology bug at the age of 13 during a holiday on the Yorkshire coast and, over the last 20 years, he has discovered dozens of ash layers in 400 million-year-old rocks from Southern Scotland. Little did he realise that his hobby would result in the discovery of possibly the oldest ashes in Scotland, and the beginnings of a new career in geological research.

Richard, a technician in the School of Geography and Geosciences for 33 years, recently discovered ashes reputedly 1000 million years old in the Isle of Skye, which resulted in the scientific discoveries being reported by scientific journals and Richard's promotion to Research Fellow.

While accompanying his wife on fieldwork last year in the Sleat Peninsula on the Isle of Skye, Richard noticed six small trees growing in a straight line out of a rock face. From past experience, he knew that plants prefer to put down their roots into soft and porous volcanic ashes. He collected a piece of the rock and took it back to St Andrews, where detailed analysis proved that it was indeed volcanic ash. The fascinating aspect of this latest find is that the ash is believed to have been erupted about 1000 million years ago.

This is the first report of volcanic ash from these rocks and the results of Richard's discovery have been accepted for publication in *Geological Magazine*.

The news so excited Richard's academic colleague, Dr Tony Prave, that a research grant proposal was submitted to and accepted by The Leverhulme Trust. The outcome is that Richard will leave his



Richard pointing out the 600-million year old ashes near Dunkeld, Perthshire



technical job in July and be re-employed as a Research Fellow on a project to find more volcanic ashes in the North West Highlands and obtain age dates for those rocks. The promotion is not only a great achievement for Richard personally but also a rare achievement for a member of the technical staff to make such a transition. Indeed, of all current staff, only one technical member of staff has been promoted to a similar level in recent years.

Richard currently spends his working life dealing with postgraduate applications, organising conferences and juggling with the many demands of Health and Safety regulations. In his spare time, he travels around Scotland looking for evidence of ancient volcanic eruptions with previous trips being funded by the Leverhulme and Carnegie Trusts. His wife, Rosalind, a geology tutor with the University's Centre for Continuing Education, often joins him on the rambling trips.

Areas where Richard discovered the ancient ashes, Dunkeld (right) and Skye (below)

Bottom right: Ashes to ashes. Brown-coloured ash band from Skye (about 6 cm across)



Richard explained the appeal: "In spite of its relatively small land surface area, Scotland has a vast geological repertoire which has attracted geologists from all over the world. However, in spite of over 200 years of research, there is always something new to discover in the rocks of Scotland."

As if the Skye discovery wasn't enough, Richard has also discovered hitherto unknown deposits of volcanic ash near

until Richard, with his uncanny nose for these rocks, spotted them on a weekend outing to Dunkeld.

Since that discovery, Richard has found more ashes at numerous localities between Fettercairn in the North-East and Isle of Bute in the South-West of Scotland. The new finding suggests that there was a major episode of volcanic activity in this part of the world just prior to the time when animals with hard

Dunkeld in Perthshire. These rocks are about 600 million years old and the ashes had remained undiscovered skeletons first appeared on Earth. Being new discoveries, his investigations have resulted in not one but two scientific publications in the *Scottish Journal of Geology*.

Explaining the significance of these ancient ashes, Richard said: "Volcanic ashes are valuable in geological research because the eruptions which generated them represent an "instant in time" and can therefore be used as unique time markers.

"These very ancient rocks do not contain any useful fossils which would normally allow them to be compared to other rocks of similar age. However, volcanic ashes contain the mineral zircon which preserves an atomic clock capable of telling the time over thousands of millions of years. My hobby could help to unravel the mysteries of some of Scotland's oldest rocks."

The Green Team

Do you print off emails as well as reading them? Do you open your window when your office heats up, but leave the radiator on? Or do you commit the cardinal sin and leave your PC on overnight?

If you're guilty – and that includes boiling too much water in the kettle when you make your morning cuppa or letting the tap drip in your office toilet – you're literally pouring university funds down the pan.

Whether it's related to energy, water, waste or transport, this friendly trio, pictured opposite (left-right - David Stutchfield, Energy Officer; Roddy Yarr, Environment and Energy Manager and Yvonne Charras, Environment Officer) – are turning green (gettit?) at the financial and environmental impact caused by day-to-day activities within the University, even if it's entirely unintentional.

In a bid to save paper and make their point, the team have produced a list of steps YOU can take to keep them, the planet and the Finance department happy! (See 'Greening your workplace', right).

As well as issuing common-sense advice, the environment team has a clear vision of what lies ahead.

Roddy, a St Andrews graduate and former Sustainability Manager with BAA, the airport operator said, "The University's environmental vision is, 'to be recognised as a world-class institution that leads by example, fully integrating environmental responsibilities with all that we do'.

"In simple terms, this means getting the basics right, such as environmental compliance, managing waste arisings, energy and other resource consumption. In wider terms, it also means influencing and changing behaviour, forming new and fostering existing partnerships with key stakeholders such as transport providers, Fife Council, Scottish Enterprise Fife, the St Andrews community and so on to develop and implement environment

Greening your workplace

- 'Enable' the power-down features on your PC - screensavers don't save energy.
- Switch off your PC when you're not using it, including lunch breaks and meetings. A monitor uses about two-thirds of a PC's total electricity. If left on overnight, it wastes the energy that would be used to make 800 A4 sheets of paper.
- Switch office equipment off at night. A photocopier left on overnight uses enough energy to make 5,300 photocopies.
- Switch off lights if you're leaving the room for longer than 15 minutes – it's a myth that it's cheaper to leave fluorescent lights on than to switch them off.
- Switch off lights when you go home - lighting an empty office overnight wastes enough energy to heat water for 1000 cups of coffee.
- Maximise the use of natural daylight and switch off lights when daylight is adequate – by switching off a typical fluorescent light for one hour in each working day, you could save 30 kg of

- carbon dioxide emissions each year.
- If your office is too hot, turn down the heating before opening a window.
- When you boil a kettle, only use as much water as you need – it's more efficient.
- Report dripping taps or water leaks to Estates – call 01334 463999.
- Use the facilities provided in your building to recycle paper, cardboard, drink cans, plastic bottles and glass (outside locations only).
- Try to limit printing off emails and draft documents, print and photocopy on both sides and reuse paper whenever possible - eg for message pads.
- Leave your car at home if at all possible – the University is working hard to improve cycle storage facilities, talking to bus operators about improving their services and even exploring options for discounted bus tickets. Bus timetables for all routes covering St Andrews can be found on the environment website along with access to the University's car sharing scheme.

and sustainability initiatives."

Roddy continued, "There are some exciting issues to be addressed as the University and St Andrews grow. These include travel aspects such as parking and transport provision, environmental impacts of our developments and in particular, managing the increasing cost of waste management; water, electricity and gas consumption. Electricity and gas costs are forecast to rise by anything from 40% to 60% over the coming years and the cost of waste disposal will also rise sharply in the near future. Reducing waste, water, gas and electricity emissions is where we are looking for all staff and students to play their part by for instance recycling or simply remembering to turn off taps, lights, PC monitors and so on.

"Personally, I'm also excited by the new Sustainable Development degree launch. This is an exciting prospect and a sign that environment and sustainability issues are at last becoming more mainstream.

"I'm also keen to build on the excellent work that has already been implemented and help share my environment and sustainability learning and experience with staff and students. The team has recently met with most Heads of School and Units and is re-establishing a network of Environment Reps across the University to improve environment communication links across the University."

■ In the first year of the University's recycling programme, you have recycled over 160 tonnes of materials (equivalent to the weight of 30 elephants!), over 14,000 sacks of paper, 50,000 cardboard boxes and other card items, 2,000 bags of plastic bottles and 700 bags of cans.





Tapping into energy saving

The University spends almost £2 million on energy and water each year. For financial and environmental reasons, conservation of these resources is crucial. There is also the added legislative responsibility to comply with the carbon dioxide (CO₂) Emissions Permit that applies to the North Haugh site under the EU Emissions Trading Scheme.

As David Stutchfield, the new Energy Officer and former energy consultant explains, "The University must reduce its CO₂ emissions on all buildings in the North Haugh by 16% for the year to December 2005. If the University emits more carbon dioxide (i.e. uses more energy) than it is allowed to, then we will have to buy carbon from the market place. If we emit less, then we will be able to sell carbon in the market place. As from 1 January 2005 we became carbon traders! The drive for energy saving will therefore be even greater as making savings will reduce our emissions on site."

David will also be working on a number of energy and water saving projects. He will

conduct energy surveys of University buildings to identify energy saving initiatives and opportunities for improving housekeeping. The University has a partnership with the Carbon Trust, the Government body charged with helping to reduce energy consumption. The Trust has provided consultancy support to identify energy saving initiatives and investigate feasibility of projects. So far they have created a scoping survey study of every building identifying outline saving measures. Shortly they will be providing detailed heating studies of all buildings in the North Haugh to help us with our carbon emission reductions.

David continued, "The people who are in the best position to spot energy and water saving opportunities are those who work in the buildings. If you have an energy/water saving idea, please let us know."

A lot of rubbish – and what a waste!

Sending our waste away for disposal at a landfill site (basically a big hole in the ground) has a host of harmful impacts upon the environment and is becoming increasingly expensive. Implementing a recycling programme has

therefore been high on the team's priority list.

Yvonne Charras, Environment Officer and former Assistant Reserve Manager with Scottish Natural Heritage, based on the Isle of May, has made huge strides in this area.

Yvonne said, "Facilities have been phased in over the past year, allowing all Schools, Units and residences to now recycle paper, card, plastic bottles, cans and glass. Buy-in by the staff has been excellent and this is really helping us to make a real difference. For instance, all of the paper and card collected to date has been recycled at a local paper mill. This saves on transport costs and is a real alternative to landfill. Recycling has also been successfully expanded to include light bulbs, computers and furniture and we are continually looking at ways of recycling additional materials."

Want to find out more?

Contact Roddy – 01334 463995
Yvonne – 01334 463986
or David – 01334 463976

Email: environment@st-andrews.ac.uk

Website: www.st-andrews.ac.uk/estates/environment.html

Good Morning Vietnam!

They're used to getting us from A-B but conquering the highest mountain in Vietnam was a slightly more arduous challenge for the University's chauffeur and travel manager.

Tom Ramsay, University Driver and Christine Barnett, Travel Manager recently climbed Mount Fansipan (10,000 feet) to raise money for Maggie's Cancer Caring Centres.

The pair joined around 30 others throughout Scotland by embarking on the strenuous 'Maggie's Challenge'. They raised around £6,500, making a significant contribution to the near £95,000 total.

Christine, who has worked as Manager of the University Travel Service since 1987 said, "I particularly wanted to raise money for Maggie's Centres and, having been involved in student travel, organising adventure travel for students for the past 18 years, I wanted a personal adventure challenge of my own. I certainly got that!"

Meanwhile, Tom, who has ferried senior members of University staff and external VIPs around Scotland for seven years said, "I was keen to raise money for the Maggie's Centres, as both my sister and brother were affected by cancer. I got involved as a tribute to their courage in facing the illness."

After committing themselves to the challenge, the pair required to get fit and raise substantial funds for the trip.

Christine raised funds from car boot sales, selling tray bakes and holding a raffle in the Students Union and various University departments and by a major 'bag-pack' with over 20 friends and helpers at a local supermarket.

Tom worked hard cleaning cars and selling raffle tickets for a holiday stay at his villa in Spain.

Then came the physical challenge. Tom's background in the Royal Marines and overall fitness stood him in good stead for the



Tom with his Vietnamese fanclub!



Christine and Tom getting stuck into lunch



Tom and Christine – there at last!

strenuous and demanding climb. Christine enjoyed working out at the gym and walking at weekends but admits finding the mountaineering side of the challenge 'very strenuous!'

The climb itself took two days. Christine said, "We were climbing vertically through bamboo thickets, forest and sheer rock face in some places. We rough camped on the mountain for four days. Our team leaders and the local guides and porters were excellent support. Tom and I didn't know each other before we went on the hike, but we're firm friends now!"

Maggie's Centres are for anyone who has, or has had, cancer. They help people with cancer to be as healthy in mind and body as possible, and enable them to make their own contribution to their medical treatment and recovery. They allow people to address all aspects of living with cancer. They can share their experiences with others in similar situations and, with professional help, inform themselves about the medical realities of the disease.

For more information, please visit www.maggiescentres.org

Heart and Sole

Principal's Office secretary Donna Lumsden pulled on her running gear for charity recently, raising almost £1000 in the process.

Donna completed the 2005 Flora London Marathon in April, running the 26 miles in a respectable four hours, 22 minutes in aid of the British Heart Foundation (BHF). Donna, who had set herself the goal of running the marathon before the age of 30, chose a charity close to her heart after her Granny, Joan Thomson, experienced heart problems last year.

Happily, Joan recovered and was fitted with a pace-maker, but Donna felt it was important to give something back to the charity which carries out invaluable research into heart surgery. The money raised by Donna and 500 others will go towards the charity's research and education programmes.

The Standard asked Donna to share her memories of the once-in-a-lifetime (maybe twice – watch this space!) experience.

She said, "I found the whole experience absolutely amazing. There were very few areas on the 26 mile route where there weren't any spectators clapping,



Donna after completing the marathon

cheering, dispensing advice and, in the latter stages, jelly babies and opal fruits to weary runners looking for a quick energy boost. I hit the wall at 20 miles but there was never any question of not finishing with so many spectators and runners urging me on.

"Into the final few miles, there was always someone calling my name (I had my name emblazoned on my running vest)

every few seconds, usually prefaced with the cry 'Come on, nearly there!'

"And then there was the last few hundred yards. Turning the corner from Birdcage Walk, past Buckingham Palace, and seeing the finish line...well, that memory will stay with me forever. I've seen it on TV every year for so many years now, the buzz of actually being there and experiencing it was incredible. I was ecstatic and, it has to be said, relieved to cross the finish line in four hours, 22 minutes and receive my medal and goodie bag, among whose contents was an official finisher's t-shirt with a slogan that summed the experience up nicely. The slogan said 'never again...until next time'."

Donna is happy to report that, despite a few days of sore legs, blistered feet and sunburned shoulders, she's already thinking about next time. She is doing the Great North Run in Newcastle in September, in aid of Mencap. Next year, if she is lucky enough to gain a place for the marathon through the ballots, she is aiming for the 'good for age' time target of three hours, 45 minutes.

Donna would like to say a big thank you to everyone for their generosity in supporting her run.

Top Rock Award for Geoscientist

Dr Ian Alsop of the School of Geography and Geosciences was the recipient of a major honour last month in the shape of the 2005 Lyell Fund of the Geological Society of London.

The Geological Society of London is the official learned and professional body representing geoscientists in the UK and the largest geoscience society in Europe. The award is bestowed annually for "contributions to the Earth Sciences

on the basis of noteworthy published research".

Dr Alsop's research concerns the way in which rocks and materials may flow or break under different conditions within the Earth's crust. The citation for this award states that Ian Alsop is "a leading international authority" in the study of folds and "has already established himself as one of the UK's foremost structural geologists".



Dr Alsop examining deformed marble near Carrara, northern Italy

Anatomy Teaching Award for St Andrews Medic

Dr David Sinclair, Senior Lecturer in Anatomy in the Bute Medical School, received The Farquharson Teaching Award from the President of the Royal College of Surgeons of Edinburgh, Mr J A R Smith, at a recent College Diploma Ceremony.

The Award is given by the College in recognition of outstanding contributions to teaching in the subjects of Surgery or Anatomy.

The President acknowledged the College's appreciation of Dr Sinclair's considerable contribution to teaching and examining in Anatomy at both undergraduate and postgraduate levels.

Dr Sinclair, who is himself a College Fellow and Examiner, has a particular interest in the clinical applications of anatomical knowledge.

Dr Sinclair receiving his award



Female Forum

Female academics are being invited to join a new mentoring scheme.

The pilot programme, in collaboration with the University of Dundee, focuses on the personal and professional development of female academics, who are often under-represented in senior jobs.

Over 80 members of staff have already registered and mentoring partners meet to discuss a range of topics – anything from career pathways and research advice to work relationships and work-life balance.

Catriona Wilson from Staff Development, who co-ordinates the programme for St Andrews participants said, "Other mentoring schemes have reported tangible benefits for both mentors and mentees including improved career planning, increased confidence, skill development and a feeling of being valued. The cross-institutional aspect also adds the opportunity for the exchange of ideas and information."



Left-to-right - Scheme Co-ordinator Dr Lorraine Walsh, University of Dundee; Guest Speaker Professor Madeleine Ennis, Queens University Belfast; Scheme Co-ordinator Catriona Wilson, University of St Andrews

As well as the traditional 1:1 mentoring meetings, the programme also comprises quarterly networking meetings where participants can meet over lunch to hear a guest speaker and have discussions.

At the first networking meeting and event launch, Professor Madeleine Ennis from

Queens University, Belfast highlighted the benefits of the mentoring scheme that she helped implement at Queens.

Interested academic females within St Andrews should contact Catriona Wilson on cmw9@st-andrews.ac.uk

On Your Bike!



With the news that Bike Week is once again gearing up, *The StAndard* thought it would be ‘wheely’ good to get our staff cyclists together for a photo shoot.

The group, consisting of just some of our keen cyclists, were photographed at the University’s newest cycle path at David Russell Hall.

The main aim of Bike Week is to encourage people of all ages and abilities to cycle and promote the wider social and environmental benefits of cycling. The UK’s annual ‘celebration of cycling’ takes place from 11-19 June.

University staff travel from near and far to come to work, with the eleven staff pictured clocking over 150 miles between them every day in the process.

Most make the journey daily and all year round, citing exercise and enjoyment,

financial and environmental benefits and ‘good thinking time’ as reasons for this method of transport.

Typical one-way journeys take anything between 15 and 30 minutes, with one brave soul cycling for an hour each way from Dundee on a regular basis!

Obvious disadvantages are cycling against the wind, longer uphill journeys home and lack of complete door-to-door cycling provision, but with Estates’ recent installation of the new cycle path and bike shelters and the EnvironmentTeam’s plans for more cycle facilities, bike-goers should soon find themselves freewheeling to St Andrews.

Our cycling staff (in no particular order): Graham Kirby (Computer Science), Len Thomas, Kenneth Falconer (both Mathematics & Statistics), Alastair Work (Secretary to University Court), David Culpin (French), Bruce Sinclair, Stephen King, Mike MacDonald, Thomas Fraser Krauss, (Mathematics & Statistics) and ELT’s Ingrid Haas and Ally Malcolm Smith (whose daughter has the best seat!)



St Andrews - the Top University for ... Birding

By Dr Will Cresswell, Royal Society University Research Fellow, School of Biology

The moment I finally realised that I had made the right decision to come to St Andrews was when I unexpectedly met both my Head of Department, deputy Head of Department and, in fact, most of my department at dawn in a tiny wood close to my new house in Crail.

We were all waiting for enough light to see a small bird, a red-flanked bluetail, blown off course by some October gales from Siberia or perhaps Finland. I had got a phone call the previous evening from a colleague I had left behind in Oxford who had been checking the birding news on the web.

"There's a red-flanked bluetail in Crail. Don't you live in Crail?" he asked, "It's in a wood called Denburn – is that close to you?"

So close that I had actually been in Denburn each morning for the last week hoping for something like this because of easterly winds that almost always bring something unusual to the Fife coast in autumn. My excitement at being given the news was tempered by the thought that maybe I had missed finding it first that morning (the ultimate birding glory!) and whether it would still be there the following day. I also felt somewhat embarrassed at being told what was about in what had just become my local patch by someone four hundred miles away.

Crail became my local patch when I moved to St Andrews from Oxford about two years ago. I was fed up with the south of England and its frantic financial competition that meant that an academic salary could not afford a house that wasn't sandwiched next to a motorway. What had attracted me to St Andrews as a University were two things. Firstly, the ratio between its standing as a good university and



Dr Will Cresswell

the size of the town it was in. As an academic in the UK, your chances of living in a fairly rural area and yet still being able to commute easily to a city where a good university is located are fairly limited. Secondly, and perhaps most importantly to me, St Andrews is located on the coast, and particularly the east coast. An east coast that sticks out into the North Sea, regularly catching rare and interesting birds. Living in east Fife and particularly Crail is, to a birder, like living next to the sweetie shop or the pub. And so I moved to St Andrews and bought a house in Crail (coincidentally next door to the pub) within view of the Isle of May (more on this later) and next to Denburn wood.

So at first light I was in Denburn Wood surrounded by other expectant birders. Everyone was shuffling quietly in a long line,

peering intently at the spot where the bird had been seen for the first time just before dark the previous day. There is always a very tense moment just before you hope to see a new and very rare bird, particularly when you fear that the bird may already be many miles away. But gradually it became light enough to see, and there it was, flitting quickly through the undergrowth. There was a rush as we all converged on the area where the bird had just been seen and a collective feeling of relief and joy at seeing something that for all of us had only before been a picture in our bird books next to a map of northern Russia. Unusually, whoever had named this bird had got it right – red flanks and a blue tail: a variant on a robin, but one which showed flashes of slightly iridescent blue on its wings and tail. We all watched the bluetail through the morning, gradually shifting from watching to chatting

Yellow-browed
warblerPuffin,
Isle of May

about the bird as we all became more familiar with it. Periodically new people would arrive with the same tenseness we all had at dawn, which was soon replaced with our feeling of satisfaction. Periodically, a member of my department would exclaim that they had a lecture to do and would disappear to St Andrews for an hour or so before returning. The density of birdwatchers soon turned up some other good birds – a Pallas's warbler, a vagrant from China, and two yellow-browed warblers,

also vagrants from Asia, although both species are much more regularly recorded in Britain than the bluetail. It was a fantastic day, the sweetie shop was open and St Andrews was living up to its potential as the top university in the UK for birding.

You may already appreciate how good a university St Andrews is, but you may not until now realise that it is perhaps the best university in the country to work in if you are

a bird watcher. My criteria for St Andrews as a centre for excellence for birding are simple: you probably have a better chance of seeing a wider range of bird species within 15 miles of St Andrews than any other university in the UK. Why 15 miles? Well, two reasons. Firstly, it's a good practical distance to use. You could visit a site within that radius between lectures if you have a car, or it is about the maximum distance you might want to cycle or bus to, or even walk in a day's birding. The second reason is a slight cheat – we can then just include the Isle of May, St Andrews' very own Galapagos island.

The Isle of May is a small rocky island five miles south of Crail famous for its breeding seabirds. Tens of thousands of puffins breed there and in July the sea around Crail is alive with them shuttling backwards and forwards with beaks full of sand eels to feed their chicks. The island is also a fantastic place for migration and many very rare species have been found there. Many then make their way onto the mainland but they are much harder to find there than on the island where they have only a handful of bushes to hide in. The whole atmosphere on the Isle of May is a microcosm of why birding around St Andrews is so nice. There is always something to see – the thousands of gannets from the nearby Bass Rock; seals, dolphins and the occasional whale; relatively common birds passing north and south on migration and of course the ever present feeling that maybe, just maybe, the next bird you look at might be an exciting rarity or something that has never been seen in the area before. The Isle of May is a gem. If you have ever wondered what birding is all about then take a day trip out from Anstruther in June: 80,000 puffins can't be wrong! Or better still, stay in the old lighthouse during the October gales, where each day you wake up with the anticipation of finding something great and many nights you go to your bunk in the evening with the satisfaction of having done so.

So, right now I think I am off to Denburn Wood again. The winds have been southerly for many days encouraging summer migrants more usually found around the Mediterranean northwards, and today there are heavy rain showers to stop them in their tracks. Who knows what I might find today?

Spanish Students in the Spotlight

The University's Department of Spanish has established a unique collaboration with the Byre Theatre, by co-hosting a performance of a Spanish play by students as part of their coursework.

The idea is the brainchild of Head of Department Professor Will Fowler, himself a keen actor having studied Drama and Spanish for his first degree at the University of Bristol.

After many years of teaching Spanish plays through the traditional means of lectures and seminars, it occurred to Will that students would get a far better understanding of the text if they actually staged it. It is quite unusual for drama to be incorporated into a non-dramatic course and the first time that an academic department at St Andrews has collaborated with the local theatre. Yet the collaboration made perfect sense to Will: "Plays are not written to be read," he explained, "they are written to be performed."

In just three weeks, the first year students put together a performance of the 1908 Ramón del Valle-Inclán play *Romance de Lobos*. The 94 students were involved in every aspect of the play from acting and directing to costume making.

The hard work culminated in the students performing in the Byre's main auditorium for one night only last month.

Will, who hopes to repeat the performance with a new batch of students next year, described the success of the process:



Viva L'España! Will Fowler (far right) shows the students how it's done

"During the three-week rehearsals, the students really got to know the text well and staging *Romance de Lobos* has forced them to really come to grips with the author. The actors have had to ask themselves about their characters motivation. How do they walk? What should they sound like? What has made them this way or that?"

"When you read a play you forget what the characters that aren't speaking are doing. Its difficult to visualise what is happening. When you stage it you realise there is so much more to the action in the play than what you might have suspected by simply reading it. It's been really exhilarating to see the students throw themselves into this project."

Since there were so many students, Will divided them up with those students who suffer from stage-fright being made responsible for designing and making costumes, sets, props, lighting, sound effects, make-up, and general stage management duties. Keen actors were allocated roles, some characters being played by more than one student in different scenes, and students eager to take on the challenge of directing were



Even the publicity posters were created by the students - Lucy Yeatman created this striking illustration

delegated scenes. Two artistic students even created unique posters to advertise the event.

The staging of the play was made possible thanks to a SALTIRE grant, an Anthony Tudor Grant and a little help from the Spanish Department's own funds. The Byre's Production Manager Stephen Sinclair and his team, together with Artistic Director Stephen Wrentmore and stage-fight choreographer Nick Lewis were also extremely helpful in assisting the students stage the production.

The Byre has expressed its delight at hosting the production. They said: "The production is the outcome of a new collaboration between the University and the Byre and it is hoped that this will be the beginning of increased links between the theatre and academic departments at the University."

Guess Where?

Another feature takes a closer look at some of the town and gown's most distinctive features – can you guess what it is yet? Answers on page 37

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Four Spring Days of Poetry in St Andrews

StAnza 2005 – A Retrospective

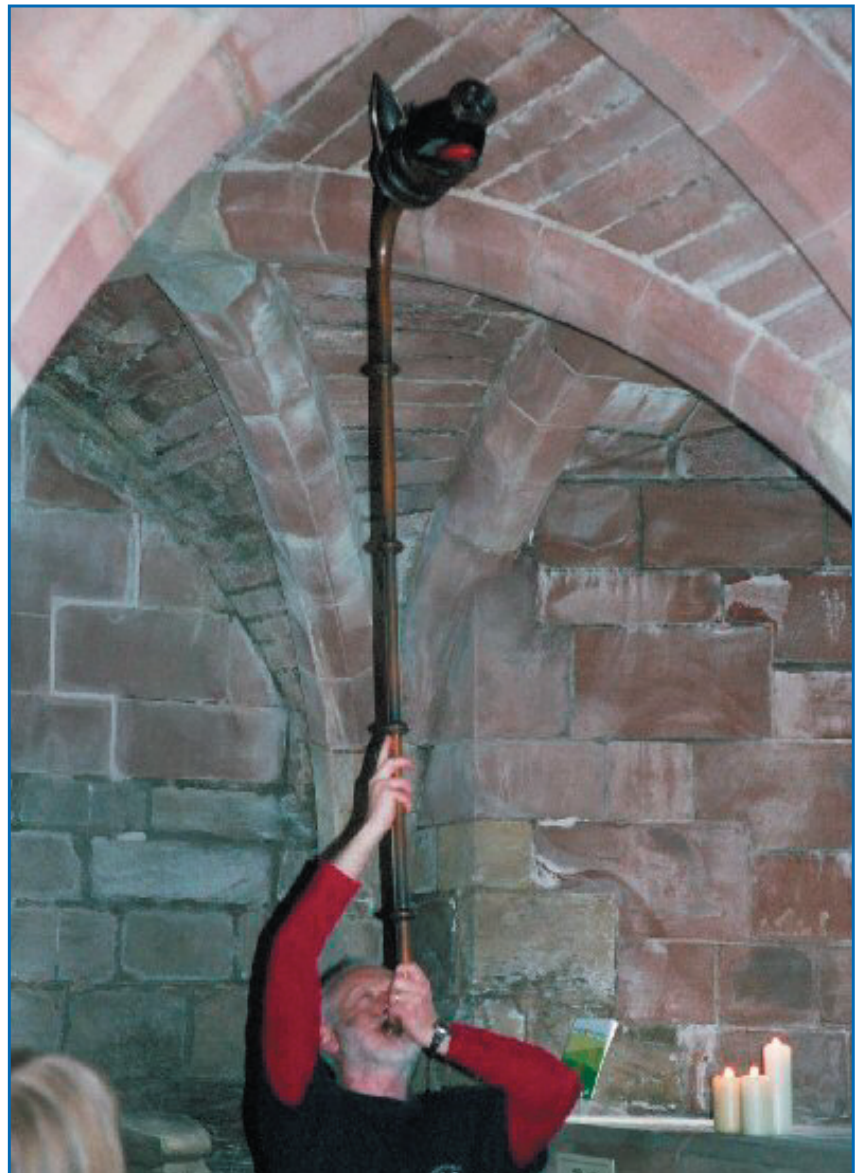
By Brian Johnstone, Festival Director

While “A celebration of poetry” has been the rallying call of the StAnza: Scotland’s Poetry Festival for years now, it has to be said that StAnza 2005 was the most celebratory festival we have run yet.

From the opening fanfare of the carnyx echoing round the precincts of the Cathedral to the closing strains of the blues filling the Byre café/bar, celebration, enthusiasm and delight were the hallmarks of a festival that, it seems, just can’t stop getting bigger and better.

For four packed days, 75 participants descended on St Andrews to focus the celebration. And with 55 events crammed into that time, there was plenty to enjoy. The whole town seemed to be living and breathing poetry. As Susan Mansfield of *The Scotsman* put it, “At some point in the last four days, St Andrews got a new name. No-one can quite remember who said it or where, but someone did: “Scotland’s poetry capital.” StAnza ... unfurled its banners across the Fife town, and throughout the weekend poets held court in every hall and theatre, until the words seeped into the very stone.”

The music bracketing the festival was carefully chosen, of course. With StAnza 2005 themed around Body and Soul, the carnyx – an ancient Celtic wind instrument – was

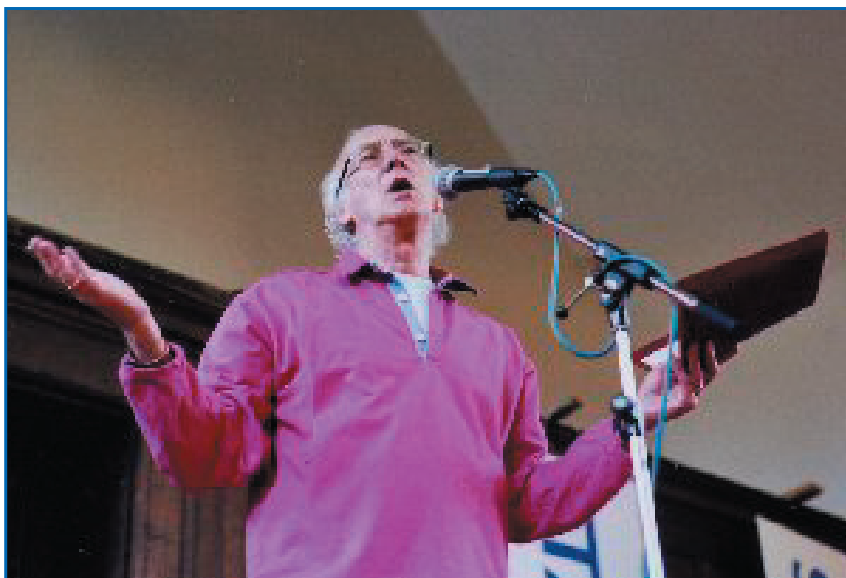


StAnza 2005 is launched with a fanfare on the carnyx from John Kenny, Credit: Britta Hjertstedt

enough, if not to raise the dead, at least to praise them. Which is exactly what the six Dead Poets Sessions were designed to do. A recent innovation, these events proved to be one of 2005’s most popular, giving often packed audiences a chance to hear live readings of past greats from Byron to Neruda to the Border Ballads. Living spirit was addressed too – in the fascinating literary conversation between Richard Holloway and John Burnside, in workshops designed to “make a shape for the soul” and in the spirituality of Michael Symmons Roberts and Jane Hirshfield.

Neither was the body neglected. How could it be with the poetry cabaret group Late Shift celebrating love, sex and appetite and a verse performance of Chaucer’s bawdiest tale? And then there were workshops ranging from love poetry to tai-chi, the very physical poetry of Eva Salzman not to mention the laugh-out-loud black humour of poet and undertaker Thomas Lynch.

The blues, of course, were there, appropriately, to close the festival – but were also intended to point up the other main theme, Stateside Poets. If ever a theme was well chosen, it was this one. From the first announcement of the StAnza 2005 bill in October last year, the



Roger McGough, Credit: Louise Maher



The Steve Troman's Band perform their jazz arrangement of Allen Ginsberg's "Howl", Credit: Malcolm Menzies

line-up of leading American poets never failed to excite interest, ranging from gasps of amazement to genuine double-takes. We were hugely privileged to host not just the Americans mentioned above but, topping the US bill, two poets of enormous stature, Sharon Olds and Mark Doty. The American theme wove its way right through the programme, with the opening ceremony being performed by the US Consul in Scotland, Cécile Shea and American poets present from across the country. Two of the most memorable events were the cutting-edge performance by the Steve Tromans Band with their jazz setting of Ginsberg's *Howl* and the festival's major exhibition presenting the work of Kyra Clegg, inspired by Emily Dickinson's poetry and life.

Never shy of controversy, StAnza asked several 2005 participants to speak their mind. Michael Morpurgo was both candid and inspirational in his discussion of children's poetry today, while *Bloodaxe* publisher Neil Astley was forthright, even coruscating, in his lecture on the state of poetry publishing and the criticism it elicits.

The lecture, which produced sufficient response to generate a full page article in *The Guardian*, can still be read on the StAnza web site (www.stanzapoetry.org). 2005 also saw the expansion of the Children's Programme to cover three days, a successful move as the capacity audiences for most events proved. Howls of laughter greeted Roger McGough's energetic performance, the kids' poetry party was a huge hit and several new

poets appeared to be on the make in the various children's workshops.

And then there were the readings – fourteen in all – the core of the festival, the performances around which StAnza's events looking at poetry from oblique angles revolve. This year audiences were able to enjoy readings in German, Catalan, Spanish and Finnish, from closer to home in Gaelic and Scots, as well as the more ubiquitous English, with many attracting record audiences. It is these events that leave the most lasting impression in the mind. Who can forget W N Herbert's *Bad Shaman Blues* or Sharon Old's hilariously phallic take on the game of golf? Hearing a live reading of Cavafy's *Ithaca* or experiencing the urban Gaelic resonances of Derick Thomson while disparate, connect, nonetheless, in similar ways. And, for this writer at least, several poets gave their best ever performances, among them Edinburgh's Stewart Conn, Colette Bryce from Dundee and the 2005 poet-in-residence (and St Andrews graduate) Tom Pow, not forgetting the hugely entertaining final reading by the "patron saint of poetry" Roger McGough.

Consuming Passions – the title of one of the poetry cabaret performances – sums it all up really. What the stalwarts of StAnza and our new audience members alike can be assured of is, the passion for poetry, in all its forms, won't stop here. Although we clearly have a hard act to follow after StAnza 2005, we won't be giving up on our efforts. As Naomi Jaffa, Director of the long established Aldeburgh Poetry Festival, commented, "I returned home both jealous of and heartened by the quality and variety of the programme. What a fine, fine festival you have built!"

A full picture gallery of StAnza 2005 events is available on the festival web site at www.stanzapoetry.org. StAnza is funded by the Scottish Arts Council and supported by various departments of the University of St Andrews and Fife Council. It is sponsored by St Andrews Bay and Ottakar's, as well as numerous local sponsors.

Outside in ... or Inside Out?



As a university, we rightly pride ourselves on our research and teaching performance.

'Punching above our weight' is all the more impressive given our relative geographical isolation nestling above the lovely East Neuk villages of Crail, Pittenweem, Elie and their picturesque harbours and beaches. In many ways, our students and staff have all they need in St Andrews – our medieval street pattern contains just about enough cafes, bars and clothes shops to help us feel self-contained.

At times, it seems the whole (outside) world can go by without really impacting on our little corner of the higher education world. Yes, world events and major issues do occur, but only get noticed when we glance at the broadsheet press over coffee in the Old Union or catch the broadcast news. I remember as a student in 1981, casually glancing at the television in the Castle Bar and realising that a prominent Middle East politician had been assassinated some two days ago. Things can easily pass us by.

Don't get me wrong, this feeling of being in St Andrews is a good one. Our isolation preserves our heritage and our wonderful surroundings. Our landscape gives us the creative space to learn, grow and work together effectively. No wonder our

colleagues from Edinburgh or Glasgow show some envy when strolling across St Salvator's Quad in the spring sunshine, or driving up North Street just as the winter sunrise comes over the cathedral ruins.

Our geographical insularity is a strength but, like every strength, it is a potential Achilles heel. If this was to be translated into insularity of attitudes and behaviours, it would limit our opportunities to learn and become more creative as an institution.

Our academic colleagues are well versed at fostering external links and collaborative research with other UK and international institutions. Schools like English, Geography and Geosciences and Psychology thrive on external-facing work within their respective disciplines – soaking up knowledge, trends and new developments outside, developing cutting-edge research and writing inside. We operate in a truly (inter)national arena of learning, we succeed despite our geographical location.

However, some of our Units and central services could do well to learn the benefits of taking a look outside our medieval boundaries. While some departments do participate actively in external networks and professional bodies, others limit their thinking by working largely in an inward-facing manner. When this happens,

processes remain unchallenged and outlive their useful shelf-life. Creativity and the opportunities to introduce change are stifled. We continue to work in the 'St Andrews way'. The fragile seeds of ideas and change fail to germinate when we don't let the light in from outside.

If we are truly going to develop world-class services to support our research, teaching and internal operations, then standing inside the organisation we need to look out. Benchmarking, networking, collaboration and building strategic alliances need to become Unit habits. We need to be continually searching for knowledge and identifying 'best practice'. We need to be curious as to how others in UK/ international universities do things. We need to have open eyes and open minds. We need to have the willingness and courage to strive for improvement.

Only by demonstrating hunger to learn from other contexts will we be truly effective at recognising what we do that already adds value – but also what we need to change. We need to bring more of the outside, in.

The Red Lion is an anonymous viewpoint from a member of the University community – if you would like to contribute to a future RL, email: magazine@st-andrews.ac.uk



Out of Africa

By Dr Brian Lang, Principal and Vice-Chancellor

They say you should never go back.

On the other hand, when more than 30 years ago I decided to resign my university lectureship in social anthropology, it seemed unlikely I would ever again find an opportunity to revisit Machakos, the small Kenyan town in which I lived during 1969 and 1970. I was carrying out fieldwork, gathering information about penetration of the money economy and rural-urban migration that in due course became my PhD thesis.

Machakos is about 50 miles south-east of Nairobi. I was a 23 year old in 1969, fresh from the family home in Edinburgh (where, for most of my undergraduate days, I followed Scottish orthodoxy and lived at home with my mother). The contrast was stark. Shanty towns look squalid and depressing, but the surprise was how optimistic the urban unemployed poor could be, how cheerfully they seemed to put up with lack of clean water, barely existing sanitation and no apparent prospect of a better lot. I made many friends among the Kamba people, who constituted the bulk of the Machakos population of 10,000 or so. What I found most difficult to adjust to though, was the sheer remoteness of up-country Kenya; the only link with home was a shaky and unreliable postal system.



Oipitek, a Maasai warrior-come-teacher



Airmail letters to and from Scotland were very intermittent.

Top inset - Machakos 1969/70
Machakos 2005

For years after returning to Europe, I could only speculate about the kind of place Machakos might have become. In February, I stilled that curiosity by returning there, on a few days' leave at the tail-end of a University of St Andrews trip to South Africa to explore possible academic and commercial collaborations. The town had changed very substantially – many, many more people, reflecting the recent population explosion in Kenya, and bigger, more permanent, buildings. The smell, however, a mixture of broken drains, charcoal stoves and dust from the streets, brought back exact memory. Ghosts were laid, curiosity satisfied. Thirty five years of speculation as to what the town had become, was dealt with. I had no regrets about returning.

As to remoteness... following the short trip to Machakos I set off by car into the deep south of the country, for the Amboseli game park on the Tanzanian border. (There can be few experiences so stirring as the sight of lions, elephants and cheetah in their natural habitat.) It was

in Amboseli that I met Oipitek, a Maasai muran (warrior) despite whose traditional garb of cloak, braided hair and beads, is a teacher training college graduate running the school in his Manyatta, a village of twenty or so branch and cow dung huts, surrounded by a thick thorn bush fence. We had a long conversation about education in rural Kenya, and the difficulties faced by a cattle-herding (and lion hunting) people in a designated game reserve. When we said goodbye, I took his photograph and, in what is now customary in the inter-personal ritual of the developed world, gave him my business card.

Getting back to St Andrews, my secretary Shona Hood was so taken by the image of Oipitek that he was instantly adopted as her wallpaper. Substantial was the shock then, when her telephone rang a few days later and it was Oipitek, calling me on his mobile phone from the depth of Amoseli. So much for remoteness. Alas, it was the University Principal who was remote. I was out of the office and Oipitek has not rung back, yet.

The Three Degrees!

No age limit for Scotland's oldest university

By Claire Grainger, Press Officer

Back in the 15th Century when the University was established, a typical student was just 13 years old.

This month, an 82 year old lady will graduate, proving that age is no barrier to studying at St Andrews.

Elma Cheetham is one of around 1300 students expected to take the stage of Younger Hall from 21-24 June.

Elma, the oldest student on record to graduate from Scotland's oldest university, hopes to graduate with a General Master of Arts after completing a part-time evening degree over five years.

She will join students specialising in everything from Internet Computing and Business Education to Geography and Theoretical Physics who originate from every corner of the world.

Elma, who lives just a stone's throw from the University, was one of the first students to apply to the part-time degree programme in 2000 and started from scratch with no credits.

Having left school in 1938 with the qualifications and ability to progress to university but without the resources to do so, Elma, over 60 years later, spotted the advert for the course in the local freesheet and thought, 'why not?' She phoned the then part-time degree coordinator Nicky Haxell, enquiring whether she was 'too



old'. Nicky's response – "Anyone can apply, as long as they're over 21!"

Five hard-working, but enjoyable, years on, Elma hopes to graduate in front of her family on Friday 24 June.

Jokingly describing herself as 'the one with white hair and a stick', Elma 'never felt out of it', even when she was forced to take time off after breaking her hip while exiting an English lecture!

She said, "It's been a marvellous opportunity for me. I was always doing it for my own satisfaction, to prove that I could do it but, on top of everything I have learnt, I've made some wonderful

new friends, both students and tutors. The cooperation and kindness I've experienced from fellow students and staff has been great"

So what next for Elma, who will be 83 next month? "A gap year of course!", she joked, adding that, in seriousness, she plans to continue her church activities and hopes to help out with the University's new alternative formats suite.

Elma's fellow student, 61 year old Tom Potter is also due to graduate with an MA General degree this month, having also taken five years to complete his degree.

Coventry-born Tom embarked on the



'The Three Degrees'
- Margaret Ferguson,
Tom Potter and
Elma Cheetham

"My biggest challenge has been not talking too much in discussions!"

- Tom Potter,
part-time degree student

the way. She explained her reasons for coming back: "I always regretted not finishing my degree, and when my three daughters received degrees in Medicine, Engineering and Law, I felt that I had let the female side of the family down, so I was delighted when I was able to come back to study with the part-time evening degree programme."

Margaret cites the most enjoyable aspects as meeting a variety of interesting and friendly people, and getting her brain working again! Her biggest challenge was finding her way around a computer: "Until I started the course I had no idea how to even turn a computer on. Now I don't know what I would do without it."

Margaret, who will celebrate her graduation with husband Charlie, family and friends, has no firm plans for putting her degree to use – while the idea of enjoying retirement is a tempting one, she admits that 'a challenging job might be nice'.

Finally, her advice to others thinking of returning to study is simple: "Go for it. There are times especially if you are working and trying to fit in family with study that you think 'do I need this?'; but it is worth keeping at it to get that feeling of having accomplished something special."

course 'just for fun!' and maintains that the entire experience has lived up to expectations.

"It's all been fun!" he said. "My biggest challenge has been not talking too much in discussions!"

Tom, who joined the evening degree with A-levels and one year's higher education at St David's College, University of Lampeter, will shortly embark on the M.Litt. in Women, Gender and Writing.

Like Elma, his message to others considering the course is 'Just do it!'

Meanwhile, Toronto-born Margaret

Ferguson is at the end of her four-year degree, having already been a student here in the 1970's. Margaret's initial spell at St Andrews was brought to a premature close when she gave birth to her sixth child. Having lost her mother just prior to the birth of number five, the pressure became too much for Margaret to complete her degree without her support network.

Now a 62 year old grandmother of five, Margaret decided to give it another go and returned to study for an MA general degree, choosing to study English, History, Human Biology, Divinity, Psychology, Art History, Philosophy, Economics and IT along

The Changing Face of Graduation

As you read this, staff in almost every school, department and unit of the University and a number of companies throughout the UK are rallying round in preparation for this year's seven ceremonies.

Graduation photographers, video-makers, sound engineers, gown and marquee hirers join caterers, T-shirt and tartan makers, parchment tube suppliers and printers in the approach to the event - not to mention the hundreds of parents, grandparents, brothers, sisters, husbands, wives and friends descending on St Andrews. In all, around 4000 guests will walk through the doors of Younger Hall over the four days of ceremonies.

Thousands of strawberry tarts and hundreds of parking cones later, another batch of students will leave St Andrews and embark on a range of careers or postgraduate study.

Indeed, graduation at St Andrews has always been a majestic affair. The first ever graduate was William Yhalulok or Zalulok who graduated as a Bachelor of Arts in 1413 and then Master of Arts in 1414.

According to *The University of St Andrews: A Short History* by R. G. Cant, in the period before the foundation of the colleges (from 1450), the University was essentially a gathered group or society of scholars who taught pupils the standard university curriculum, across all subjects.

The typical Arts student started his course around the age of 13 and lived under supervision, being taught in the earliest days in the Priory, or his Master's house or St John's College on the site of St Mary's.

According to Muniments archivist Rachel Hart, "Each degree ceremony had its appropriate academic costume, but there seems to be little continuity between medieval and modern practice, although

Possibly the first group of women to graduate, 1896



some elements would look familiar to us, I would imagine, particularly the dress."

Cant's book states that while the present elaborate system of academic dress is essentially a Victorian creation, the rector's purple robe was apparently modelled on a mediaeval Parisienne design.

Of course, early ceremonies were not held in the Younger Hall, since it wasn't built until 1928/29. In the early days, the University seems to have used the Priory and other local ecclesiastical buildings such as St Leonard's Church for congregations and faculty meetings. So perhaps, the first graduation was held in the Priory, or Cathedral as we know it today.

And as for the well-known story that the birretum used at today's graduation is made from part of John Knox's trousers

According to Cant, the doctor's cap was obtained on the occasion of the graduation of the first identifiable MD (John Arbuthnot, 1696). Cant wrote an article in the *Alumnus Chronicle* of 1990, stating that the cap was bought from a St Andrews tailor for 40 pence sterling or £2.00 Scots. Controversially, Cant said that student tradition involves John Knox, George Buchanan and Andrew Melville

but points out that none of them attached much importance to the formalities such as degree ceremonies! The cap continued to be used for the conferral of Doctorates in medicine during the 18th century at a time when graduation in arts fell out of use since class certificates were issued by professors and it was felt to be unnecessary to pay extra for a degree diploma.

It was after the Universities (Scotland) Act of 1858 that graduation was restored and became what we have today, with a complete system of academic dress being worked out for all degrees. The birretum was then extended for use in all degrees. By 1989, it was falling apart but it was restored in time to be used at the honorary graduation ceremony to mark the 450th anniversary of the founding of St Mary's College. This was paid for by the Robemakers to the University, Ede and Ravenscroft, who also celebrated their tercentenary (330 years) in the same year.

Given that William Yhalulok's time at university predates the invention of photography, we are unable to provide an image of his graduation but the Special Collections department of the University Library has provided an image (above) of possibly the first group of women to graduate in 1896.

First Minister Praises St Andrews During £10m Openings



Professor Ron Morrison (left) gives the First Minister a demonstration of dancing robots built by third year students

First Minister Jack McConnell praised the University for its 'forward looking' approach during the official double openings of The Gateway and Jack Cole Buildings.

During his official speech, Mr McConnell paid tribute to the University's international competitiveness and echoed the Principal's sentiments on the University's confidence in the future.

The Gateway and Jack Cole buildings on the North Haugh represent an investment of around £10 million by the University. The flagship circular building was bought by the University in 2004 and developed into the enviable new home of the School of Management. The Jack Cole building meanwhile - named after the founder of Computer Science at St



The First Minister chats to 2nd year Management students Henrik Ljung and Calle Nilsson as Professor Peter Mckiernan (left) and the Principal look on



The First Minister takes a back seat as the Principal 'votes' using e-voting software developed by PhD student Tim Storer, pictured left

Andrews - is a hi-tech building based on 'smart' technology and supplements the existing John Honey building.

Mr McConnell was given a tour of both buildings by Heads of Schools Professors Ron Morrison (Computer Science) and Peter McKiernan (Management) and later praised the University for investing in 'some of the finest teaching, learning and

research facilities to be found anywhere in the World.'

During both visits, he was introduced to key staff and students along the way, and at the Jack Cole building, he was introduced to Chris Cole, the widow of Professor Cole, who died in 1997, but whose legacy lives on in the innovative new building named after him.

The Quad with the Thorn in its Side

The prickly issue of the Glastonbury Thorn

By Gayle Cook, Press Officer

Forget the White Stripes and Chas 'n' Dave – if you missed out on tickets for this year's Glastonbury Festival, why not seek solace in our own little piece of Glastonbury at St Andrews?

According to a somewhat muddy legend, St Mary's Quad is home to an offshoot of the legendary Glastonbury Thorn. When Education Liaison Officer Fraser Keir happened to mention the story of the tree in an idle moment outside College Hall, it seemed too good to be true. It was also hard to believe that the legend is not one reported alongside other famed St Andrews botanical treasures.

The StAndard did a bit of digging to find out more behind the story and got rather caught up in a few thorns...

The story begins on the evening of the Crucifixion with Joseph of Arimathea asking Pontius Pilate for the body of Christ. It was in Joseph's tomb that it lay from Good Friday until the Resurrection.

One legend claims that the original Glastonbury Thorn was used to create the crown of thorns used in the Crucifixion, but the more repeated legend follows Joseph travelling the World after the event. It is said that in 63AD, Joseph came to Britain to spread the gospel of Christianity. Weary from his journey across Somerset, he lay down to rest on Glastonbury's appropriately-named



Our own 'Glastonbury Thorn' behind Parliament Hall in St Mary's Quad

Weary-all Hill (also known as Wirriall Hill), pushing his staff into the ground beside him.

When he woke up, he was astonished to find that the staff made of dry hawthorn wood had miraculously taken root and had begun to grow and blossom. (Some

legends claim that Joseph brought the Holy Grail with him and that too ended up buried in the ground.)

As the story goes, the tree (a hawthorn, *Crataegus oxyacantha*) flourished and flowered every Christmas and spring. In the belief that the tree held special protective powers, many cuttings had been taken by the time a puritan soldier tried to destroy it in 1653. Its reputed powers were so strong that he was – according to the legend - blinded by a splinter in the process. One of the original cuttings had already been planted in secret at Glastonbury Abbey, and cuttings from that tree, also known as "The Holy Thorn of Glastonbury", have been traditionally sent to the Queen for the Royal Table on Christmas Day, since 1929.



The original Glastonbury Thorn or 'Holy Thorn'. Copyright Sarah Boait, www.sarahboait.co.uk



Proof of the Planting: Those present at the tree planting ceremony on 19th April 1950 included: Principal Irvine, Professor GS Duncan, Professor WR Forrester, Professor JH Baxter, Lord Burghley (rector), Mr Michael Scott (Student) and John Lanchbury-Mowatt (curator of Botanic Garden)



An illustration of the original thorn miraculously appearing from Joseph of Arimathea's staff

Which all leads us to the tree in front of Parliament Hall in our own ancient St Mary's Quad. While visitors to the University are sign-posted to the two famous trees of St Mary's – Queen Mary's Hawthorn (reputedly planted by Mary Queen of Scots in 1563) and the magnificent St Andrews Holm Oak, which stands proud in the centre of the Quadrangle, not many would notice the unmarked hawthorn to the left of the entrance.

However, prospective students and their parents on our Ambassadors tours are tantalised with the rumour that Winston Churchill planted the tree in the 1930's. The green-fingered task was apparently carried out in the belief that the original

thorn protected the country from foreign invaders. Churchill feared Hitler would have the Thorn bombed in order to dent British morale. Thus the Prime Minister set about planting cuttings from the Holy Thorn all over the nation, to protect it from war. St Mary's was judged a 'safe haven' for one of the cuttings, perhaps in respect to location as well as history of the subject of ecclesiastical study.

However, *The Standard* learned that local historian Ramond Lamont-Brown attests that the tree was planted to commemorate Principal G.S. Duncan's role as Moderator of the General Assembly of the Church of Scotland between 1949-50. Until now there was no concrete proof to back this claim up, and though reminded of the phrase 'never let the truth get in the way of a good story', the seeds of doubt had been planted in the Churchill rumour. We called upon the expertise of the University Archivists, who, after investigation, found a bit of truth in both stories.

A black and white photograph from the George Cowie Collection was uncovered by Rachel Hart. Showing a tree planting ceremony dated 19th April 1950, it is captioned: 'Tree planting ceremony at St Mary's Quadrangle to mark Moderatorship of Professor Duncan, planting of Glastonbury thorn.' The unravelling continues.. an old St Andrews Citizen cutting from three days later carries an account of the ceremony. It reads: 'Unique Ceremony. St Mary's honours the Moderator... The Principal

planted an offshoot of the famous Glastonbury Thorn which was presented to the College to mark the Moderatorship of the Principal. The idea originated with the Students and Michael Scott was responsible for securing the young tree.'

The tree was felt to be appropriate because of Principal Duncan's special study of the foundations of Christendom and the first decades of its history, and it was a living link with this tradition.

So where did the cutting from? Michael Scott was from Morocco and graduated with a BD in January 1952, but efforts to trace his whereabouts now drew a blank (he has not been listed on the General Council Register since 1993). The mystery of where he brought the cutting from seems sure to be buried as deep as the roots themselves. Perhaps the unmarked tree in St Mary's really is derived from the legendary Holy Thorn, though it seems clear it was planted in honour of a former Principal and not by a former PM.

Apparently, according to various botanical sources, the Glastonbury Thorn will not flower twice a year if grown from seed and will only live for 100 years if grafted from a cutting... so perhaps we should enjoy this enigmatic piece of history while we can.

Do you know anything of the mystery tree and its history, the legend of the Holy Tree or Michael Scott himself? Email magazine@st-andrews.ac.uk with your insights.

RESEARCH HIGHLIGHTS

Protecting the Protected



Grey seal pup

Marine biologists at St Andrews have launched a new study into ways of protecting two protected species in Scotland – one of which feeds on the other. The team from SMRU hope to develop novel solutions of preventing seals from eating salmon, whilst ensuring the safety of both.

The project will focus on an investigation into the extent of the problem and safe ways of dealing with it. For this, they will use techniques including using electronic tagging and photo-identification to keep track of seals, their whereabouts, behaviour and diets.

Funding from SEERAD (Scottish Executive Environment and Rural Affairs Department) and a number of organisations including the Atlantic Salmon Trust, has allowed SMRU to employ two researchers to carry out a three-year investigation into how seals and salmon interact. One of the initial aims is to establish the extent of seal predation on salmon.

From Desert Rat to Oscar Romero

The University's newly-established Centre for the Study of Religion and Politics (CSRP) has attracted respected international speakers in recent months.

The head of an international development charity working for justice and the eradication of poverty delivered the inaugural Oscar Romero Memorial Lecture.

Christine Allen, Director of the Catholic Institute for International Relations (CIIR), spoke on the subject of religion in Latin America, in memory of the assassinated Salvadoran Archbishop.

The special lecture, funded by the Scottish Catholic International Aid Fund, marked the 25th anniversary of the assassination of Romero.

Meanwhile, the former Commander of the Desert Rats delivered a public lecture on Morality in Warfare. Major General Patrick Cordingley commanded the Desert Rats during the 1990-91 Gulf War and was awarded the Distinguished Service Order for his bravery and leadership.

www.st-andrews.ac.uk/divinity/csrp

Life on other Planets?

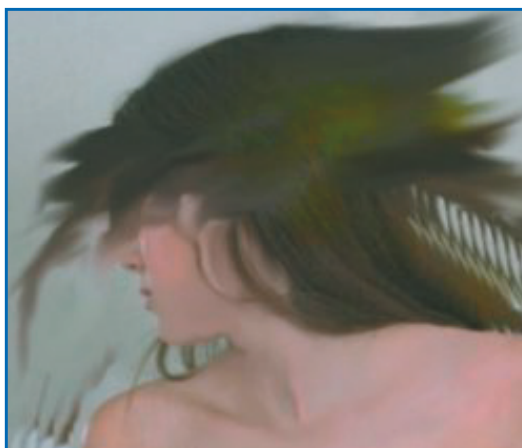
St Andrews hosted Scotland's first ever Astrobiology conference last month. Co-organised by Professor Keith Horne (Physics & Astronomy), Dr Tony Prave and Professor John Parnell (University of Aberdeen), the event heard researchers from throughout the UK discuss a range of topics including the search for habitable planets, extra-solar planets, the origin of life and early evolution of life on Earth, and artificial life in cyberspace.



Translating Transvestites

Dr Rossella Riccobono from the Italian Department recently co-hosted a unique conference in Edinburgh, which explored why writers attempt to take on the persona of the opposite sex.

The 'Vested Voices' conference examined the phenomenon of 'literary transvestism', where a male writer writes from a woman's point of view and vice versa. The two-day event involved academics from the US, UK, Italy, New Zealand, France and Switzerland. They explored possible societal or personal reasons behind the style of writing whether it be as a form of rebellion or a way of expressing hidden desires.

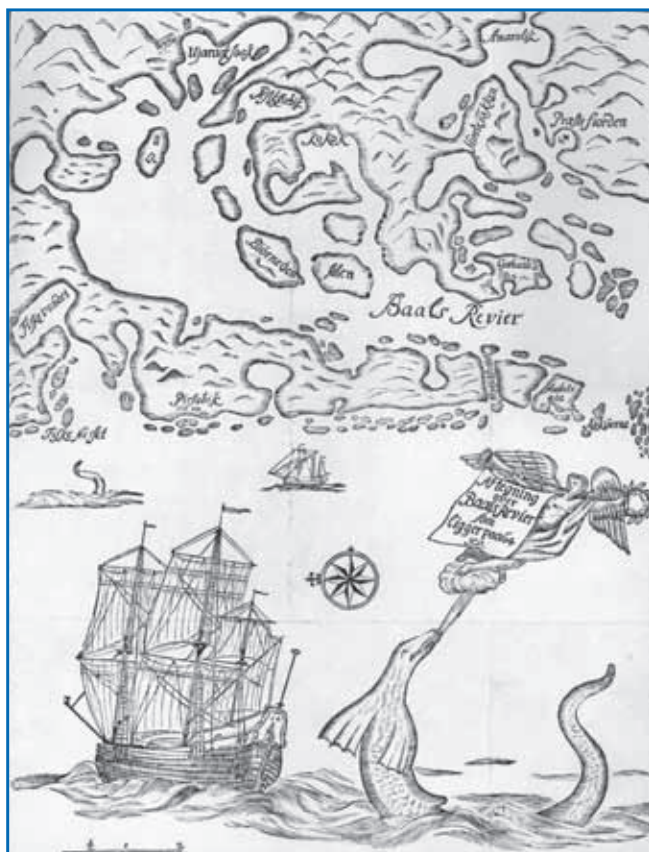


'Unicorno' by
Erminia Passannanti

Though the conference focussed on transvestism in Italian literature, famous British writers who wrote in the character

of the opposite sex include Virginia Woolf (*Orlando*), Emily Bronte (*Wuthering Heights*) and Daniel Defoe (*Moll Flanders*),

while George Eliot is best known for assuming a man's name in order to get her works published.



Sea Serpent's Sexy Secrets

Mathematicians investigating famous historical sightings of sea serpents uncovered more than they bargained for.. when they realised that one sighting was more likely to have been an amorous whale.

Drs Charles Paxton and Sharon Hedley of the University's Centre for Research into Ecological and Environmental Modelling (CREEM) made the revealing finding during a new analysis of a famous 18th century sighting of a 'most dreadful' monster off Greenland. By investigating existing

animals in the region and comparing their features to the descriptions of the 'monster', the investigators believe they have a more plausible explanation.

Dr Paxton, an expert in sea monsters, collaborated with Dr Hedley and Norwegian Erik Knatterud, a retired teacher, and examined four original reports of the 1734 sighting by missionary Poul Egede. They considered a number of possible explanations for this enigmatic encounter before coming to the conclusion that what Egede saw could have been a whale in a state of arousal.

The original sketch of the famous 1734 sighting of a 'most dreadful monster'

School's out for Summer!

By Claire Grainger, Press Officer

What do Buddhists, Scottish country dancers and yoga enthusiasts have in common?

They, together with footballers, golfers, rugby referees and musicians, are just some of the groups who choose our University as an event venue.

They join the countless couples who get married here each year, holiday-makers opting for halls of residence accommodation, and visitors to the Open.

Frankly, anyone who thinks that the University closes down for summer couldn't be more wrong. Indeed, the period from June to September is when the University exploits its empty halls and teaching spaces and its good business sense kicks in.

Conference Coordinator Lynsey Wilkie plays a key role in turning organisations' meetings and conferences from an initial inquiry into a reality.

Part of Residential and Business Services, Lynsey has spent the last six years taking inquiries, arranging site visits, providing quotes and billing the diverse range of customers who choose to hold their meetings or conferences here. The



vast majority are also provided with accommodation and catering from the University's halls of residence.

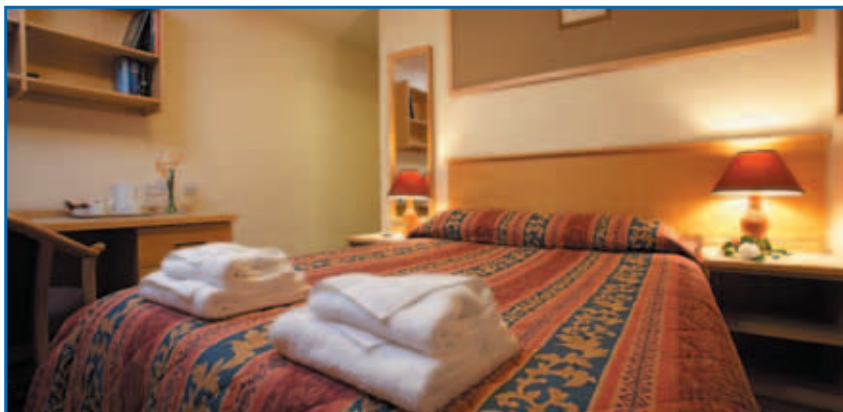
This summer alone, spiritual healers, the International Football Festival, the Scottish Rugby Union, the Scottish Football Association and embroidery tutors will flock to the University,

together with attendees of various internal conferences. The University also provides accommodation for up to 450 RAF aircrew during the annual airshow and preparations are well underway for various events in 2006.

Lynsey works alongside Conference Office colleagues Kendra Scott, Linda Richardson, Mary Lorimer and new recruit Peter Guthrie, Sales and Marketing Manager.

Peter believes that the quality and variety of accommodation on offer is a key attraction for customers - be it a meeting room or a bedroom.

Peter said, "St Andrews is unique because it combines ancient buildings alongside brand new venues like the Gateway and David Russell Apartments which, alone, provide over 700 en-suite bedrooms.



New Hall bedroom

"Different clients have different



Lower College Hall

requirements and we've got the blend of old and new to meet their exact needs and wishes. For example, St Andrews offers a beautiful and atmospheric setting for religious groups alongside first-class sporting facilities for the 500 footballers attending this year's football festival.

"For residential conferences, the standard of accommodation on offer at New Hall and the new David Russell Apartments is first class, while venues like the Gateway and the refurbished School III boast state-of-the-art technical facilities. From a price point of view, we're very competitive and, of course, always willing to discuss the different - sometimes VERY different - needs of our customers, both internal and commercial."

The Conference Office team also tap into the knowledge and skills of countless other staff ranging from residence managers and janitors to IT Services and Alex McHardy, Media Services Manager, for all audio-visual requirements.



Dinner function, Lower College Hall

Catering is also a crucial requirement for both internal and external customers – whether it's a soon-to-be-married couple, holiday-making family or a corporate client.

This year alone, Cath Dyce, Hospitality Manager is planning catering and hospitality requirements for 21 wedding receptions, 13 of which are during the summer.

Cath said, "We plan receptions from start to finish. We start the year by updating our menus and brochures and then meet with clients, showing them the facilities on offer. We also advise on menus, timings, drinks packages and evening buffet choices.

"Closer to the day, we organise the floral table centres, menu cards, table linen, bar licences and pass menu information onto the chefs. In the last week, we type up table plans and place names and finally, the day before, set up the tables.

"On the day itself, we have a Manager – usually Lynsey Martin, Food and Beverage Manager – present from the beginning until after the meal, then Sandra Givan, the Function Supervisor takes over and looks after the evening reception."

Over the holiday period, in addition to weddings, the team is providing catering for eleven conference dinners, four graduation lunches, three graduation dinners, the graduation ball and alumnus ball, all in Lower College Hall.

Cath continued, "We will also be catering

for conference facilities and functions in the Gateway. Janice Christie and her team at Andrews Melville Hall will also be busy providing tea and coffee facilities and sandwich lunches for conferences in other buildings such as Physics and Chemistry. On top of all this, there will be the Open when we will be providing corporate hospitality in Upper College Hall, Lower College Hall, the Gateway boardroom and function room, providing breakfast, lunch and afternoon tea for around 430 covers each day."

The largest function which Cath and her team have ever catered for was a five-course dinner for 500 guests in a marquee on Lower College Hall lawn.

Cath said, "Marquee work is always difficult logistically as we have to hire in all the catering equipment, furniture and so on. Another logistical minefield was a wedding in a marquee a couple of years ago when we had no electricity, water or drainage and had to work with generators and water tanks!"

If that doesn't sound too daunting, Cath is appealing for more University staff to join the team – "We have a number of function staff who already work in different parts of the University but are always looking for more names to add to our list. We also employ students."

Interested? Email Cath on Catherine.Dyce@st-andrews.ac.uk or call her on 01334 467005.

Job's Worth

By David Corner, Deputy Principal

The Framework Agreement for the Modernisation of Higher Education Pay Structures is the product of last year's pay negotiations between the representatives of the UK Universities/HE Colleges and the recognised trade unions.

It has to be fully implemented by the end of July 2006 in every institution. Since the Agreement is the most fundamental change to employee terms and conditions for many years, its implementation represents a large and complex project.

In executing this project, the University is committed to communicating effectively with all staff. It has, therefore, sent out its first three circular letters and established a website at www.st-andrews.ac.uk/staff/work.shtml - New Pay and Grading Structure (Framework Agreement). In addition, I have now held eleven information sessions, to which all staff were invited, at which I made it clear that all are welcome to raise any questions that they might have about the process either via their trade unions or directly with Louise Watson, our Project Manager in Human Resources (tel. 01334 461651, email lw39@st-andrews.ac.uk). What follows is a summary of what I said to staff:

The main features of the Framework Agreement are:

- The introduction of a single 51 point pay spine by August 2006, the uplift of which will be negotiated nationally with effect from 1 August each year.
- Within a set of guiding principles, flexibility to allow each institution to develop its own grading structure to meet organisational requirements and strategy.
- The introduction of institution-wide job evaluation that will be used to place roles into the grading structure.
- Progression through and between grades on an equitable and transparent basis.
- The opportunity to reward the acquisition of experience and contribution, through the introduction of additional 'contribution' pay points at the top of grades.
- The use of market supplements to enable

institutions to address local recruitment and retention issues in local labour markets or for particular specialist staff.

- The harmonisation of working hours within each pay grade by August 2005, including associated premium payments and working practices.
- Better links between career development and pay progression, and a commitment to offer all staff access to staff development and review processes within an equal opportunities framework.

The timescale for implementation is specific: by August 2006 for the new pay arrangements and by August 2005 for harmonisation.

The essential tasks to be completed in relation to the above in the next twelve months are job evaluation and the harmonisation of conditions. These tasks are currently being undertaken by two sub-groups made up of the following individuals:

Job Evaluation Executive Group

David Corner
Lorraine Fraser
Ian Grieve (AMICUS)
Anne Kettle
Phil Robertson (AUT)
Mairi Stewart
Dot Todd (UNISON)
Louise Watson

Harmonisation Executive Group

David Corner
Ann Kettle
Stephen Lee
Phil Robertson (AUT)
Mairi Stewart
Louise Watson
AMICUS representative
UNISON representative

These sub-groups report to the main Project Group made up of:

David Corner (Convener)
Bill Blyth
Peter Cabrelli
Lorraine Fraser
Ann Kettle
Stephen Lee
Phil Robertson
Mairi Stewart
Dot Todd
Louise Watson

The above committees are supported by the following team:

Project Manager:	Louise Watson
Project Secretary:	Gillian Ogg
Role Analysts:	Hazel Davidson Emma Defew Susan Grant James McCaffert Lesley Stephen Bill Wilson Jane Winn

Thus far, we have made significant progress in a highly consultative fashion. We have, for example, achieved unanimity with regard to the complex job evaluation process, which is just about to begin, and to the identification of the key harmonisation issues.

There is, however, a long way to go since the Framework Agreement introduces many things which are new and which will pose substantial challenges to all involved in its implementation. It, for example, requires the sort of partnership working with the unions at institutional level which will ensure that local representatives are much more deeply involved in the formulation of policy than has ever been the case within the context of established collective bargaining mechanisms.

It, furthermore, leaves room for the sort of flexibility which will allow for particular institutional circumstances to play a significant role in the consideration of many arrangements that have previously been determined at national level.

Finally, and perhaps most importantly, it insists upon the demonstrable establishment of equal pay for work of equal value which is why our early work must concentrate on the achievement of harmonised conditions and the execution of robust job evaluation so that our use of any new grading structure is equitable and perceived as fair by staff members.

This is the first of what I hope will be regular contributions to this publication on the Framework Agreement. In the next edition, we plan to report in depth on early experience of the job evaluation process.

New Heads of Schools

After consultation with colleagues within all Schools and with senior members of the University, the following Heads of Schools have been appointed as of 1 August 2005 -

Art History	Professor I A Carradice (Ms Annette Carruthers will be Acting Head for AY2005/6 while Professor Carradice is on research leave)
Biology	Professor K T Sillar
Chemistry	Professor N V Richardson
Classics	Professor G D Woolf
Computer Science	Professor R Morrison (Professor A Dearle will be Acting Head for semester 2 of AY2005/6 while Professor Morrison is on research leave)
Divinity	Professor T A Hart
Economics and Finance	Professor C Jensen-Butler
English	Professor N H Roe
Geography and Geosciences	Dr E F Graham
History	Professor A D M Pettegree
International Relations	Professor W B Walker (Dr John Anderson will be Acting Head for semester 1 of AY2005/6 while Professor Walker is on research leave)
Management	Professor P McKiernan
Mathematics and Statistics	Professor A W Hood
Medicine	Professor H MacDougall
Modern Languages	Dr S M Pugh
Philosophical and Anthropological Studies	Dr P J Clark
Physics and Astronomy	Professor S L Lee
Psychology	Professor V J Brown (Professor Richard Byrne will be Acting Head for semester 1 of AY2005/6 while Professor Brown is on research leave)

Staff Rally Round for Blind and Partially Sighted Students

By Paresh Raval, Manager, Alternative Format Suite

The last edition of *The StAndard* introduced the new **Alternative Formats initiative** which will create innovative 'talking books' for blind and partially sighted students.

Since then, 84 volunteers have signed up, including staff, students

and local residents, with 44 now being trained.

The hi-tech project will create 'alternative formats' of books for students who need a helping hand.

Amongst those classed as 'print disabled' are the blind, dyslexics, sufferers of ME or those suffering from short or long-term blindness as a result of injury. The development will provide students with vital

course material tailored to their individual needs, whether they be digital 'talking books', large-print texts or Braille.

If you're interested in joining this valuable team, please telephone me on 01334 461167 or email pr19@st-andrews.ac.uk - and please pass on the message to friends and family who might have an hour to spare each week!

Multi-Million Research Grants Boost

Awards totalling £12.5M have been won by St Andrews researchers during the third quarter of the current academic year.

Professor Alan Miller, Vice-Principal (Research) said, "This is a major success - one of the largest ever quarterly figures - and builds on Q1 and Q2 awards of £7.9M and £4.0M. Total awards to date for the first eight months (August 2004-April 2005) are £24.4M and this puts the University on track to exceed the 2003-04 total of £25.1M".

Research Grants Awards Q3 2005 (February - April)

School	Lead PI	Sponsor	Award	Project
Art History	Adamson, Natalie Ann	AHRB	£14,013.00	Painting & Politics in postwar France: The battle for the Ecole de Paris (1944-1964)
	Adamson, Natalie Ann	THE BRITISH ACADEMY	£2,780.00	Painting & Politics in postwar France: The Battle for the Ecole De Paris
	Gunn, Ann Veronica	DISTRIBUTED NATIONAL BURNS COLLECTION	£1,960.00	Evaluation for the Distributed National Burns Collection
	Smith, Graham	THE LEVERHULME TRUST	£10,025.00	Fellowship - G Smith 'Florence and 'photography: Light that dances in the mind'
Art History Total			£28,778.00	
Biology	Abbott, Richard John	THE ROYAL SOCIETY	£3,226.00	Genetic diversity and resistance in the tropical forage legume <i>Stylosanthes</i>
	Cresswell, William Richard Lawrence	NERC	£30,695.30	Mass change as an indicator of population processes in birds
	Dholakia, Kishan	EPSRC	£191,253.00	Advanced Biophotonics Workstation
	Graham, Isla Margaret	NERC	£31,094.60	Does supplementary feeding of mountain hares increase survival and fecundity
	Graham, Isla Margaret	SCOTTISH NATURAL HERITAGE	£1,820.00	Seal Management Training Course
	Gunn-Moore, Francis James	MRC	£129,740.00	Novel markers for the early detection of Alzheimer's disease
	Gunn-Moore, Francis James	MRC	£30,815.00	Photonic manipulation of mammalian neuronal growth
	Hammond, Philip Steven	EUROPEAN COMMISSION	£1,414,150.00	Small Cetations in the European Atlantic and North Sea (SCANSII)
	Northridge, Simon Patrick	DEFRA	£364,367.00	Cetacean Bycatch monitoring
	Taylor, Garry Lindsay	THE WELLCOME TRUST	£1,066,523.00	Structural Biology of paramyxovirus
Biology Total			£3,263,683.90	
Chemistry	Bastidas, David Martinez	THE ROYAL SOCIETY	£1,240.00	Conference - Symposium Fuel Cells from Materials to Systems
	Clarke, Matthew Lee	EPSRC	£32,535.00	High-Throughput Screening of Diverse Families of Ligands in Asymmetric Catalysis

School	Lead PI	Sponsor	Award	Project
Chemistry	Irvine, John Thomas Sirr	DEFENCE SCIENCE & TECHNOLOGY LABORATORY	£21,064.00	Chemical Hydride study for a UUV power source
	Lightfoot, Philip	EPSRC	£164,880.00	Novel Oxyfluoride Relaxor Ferroelectrics
	Morris, Russell Edward	EPSRC	£13,500.00	High resolution single crystal x-ray diffraction studies of charge density in siliceous zeolites
	Morris, Russell Edward	EPSRC	£414,119.00	The ionothermal synthesis of zeolites and zeolites analogues
	Morris, Russell Edward	INDUSTRY	£1,500.00	Applicability in cosmetic formulations of Zeolites
	Muldoon, Mark James	THE ROYAL SOCIETY	£740.00	1st International Congress on Ionic Liquids
	O'Hagan, David	EPSRC	£288,539.00	The C-F bond as a conformational tool in biological and materials chemistry
	O'Hagan, David	THE LEVERHULME TRUST	£22,200.00	Enzymatic C-18F synthesis, a new synthesis strategy for positron emission tomography
Chemistry Total			£960,317.00	
Classics	Coulston, Jonathan Charles Nelson	AHRB	£14,013.00	All the Emperor's Men: the Roman Army on Trajan's Column
	Hine, Harry Morrison	AHRB	£14,013.00	AHRB research leave scheme: Seneca and scientific writing at Rome
Classics Total			£28,026.00	
Computer Science	Allison, Colin	SCOTTISH ENTERPRISE	£183,672.00	Video Fingerprinting
	Hammond, Kevin	EUROPEAN COMMISSION	£249,004.00	Automatic Analysis of Bounded Resources for Embedded Systems
	Hedley, Sharon Louise	INSTITUTE FOR CETACEAN RESEARCH	£5,000.00	Model - based abundance estimation from JARPA surveys: survey mode effects
	Linton, Stephen Alexander	EPSRC	£549,448.50	Multidisciplinary Critical Mass in Computational Algebra and Applications
	Morrison, Ronald	EPSRC	£249,128.00	Design, Implementation and Adaptation of Sensor Networks through Multi- Dimensional Co-Design
Computer Science Total			£1,236,252.50	
Divinity	Esler, Philip Francis	CARNEGIE TRUST FOR THE UNIVERSITIES OF	£800.00	Visualising the bible in late medieval Spain: The altarpiece in the cathedral in Tortosa
	Hart, Trevor Andrews	TEMPUS OFFICE	£6,893.00	Development of the Gifford Lectures
Divinity Total			£7,693.00	
Economics & Finance	Jensen-Butler, Christopher Nige	COPENHAGEN BUSINESS SCHOOL, DENMARK	£10,000.00	Studentship - Labour Market Reforms and Fiscal Policy - Nikola Bokan
	Sutherland, Alan James	ESRC	£61,484.81	Monetary policy welfare and the structure of international financial markets
Economics & Finance Total			£71,484.81	

NEWS

School	Lead PI	Sponsor	Award	Project
English	Burnside, John	AHRB	£14,013.00	A Lie about my Father
	Crawford, Robert	AHRB	£14,013.00	A new acoustic for Scottish Poetry
	Murphy, Andrew Declan	THE BRITISH ACADEMY	£58,830.00	The People's Bard : Shakespeare's working class readers, 1800-1900
English Total			£86,856.00	
Geography & Geosciences	Austin, William Edward Newsn	NERC	£21,016.17	A seasonally resolved record of the 13C Suess Effect in the NE Atlantic, 1948-present
	Batchelor, Richard Alessandro	THE LEVERHULME TRUST	£122,235.00	Neoproterozoic events: dating the classic Torridonian of Scotland
	Dibben, Christopher John Lloyd	PERSONAL RESEARCH ACCOUNT	£2,000.00	Evaluation of Statistical Techniques in the Scottish Index of Multiple Deprivation
	Dibben, Christopher John Lloyd	UNIVERSITY OF OXFORD	£5,600.00	Northern Ireland Measures of Deprivation Update
	Flowerdew, Robin Timothy Nicholas	WATER RESOURCE CENTRE	£1,800.00	Census Variables for Output Areas in the UK for Sample Selection for Household Waste Analysis
	Graham, Elspeth Forbes	ESRC	£61,417.42	Why is fertility in Scotland lower than in England
Geography & Geosciences Total			£214,068.59	
History	Dawson, Thomas Christopher	HISTORIC SCOTLAND	£105,000.00	Heritage grants scheme-coastal archaeology
	MacLean, Simon	ROYAL HISTORICAL SOCIETY	£200.00	Travel grant - Interpreting the past in medieval Germany (Conference)
	Taylor, Robert Simon	IFMB CHARITABLE TRUST	£1,500.00	The Place-Names of Fife Volume 1
	Wolf, Alexander Douglas	AHRB	£14,013.00	To complete monography - From Pictland to Alba
History Total			£120,713.00	
International Relations	Lang, Anthony	BINKS TRUST	£8,000.00	Rethinking the Rules - Conference Series
	Lehr, Peter	EUROPEAN COMMISSION	£22,367.00	Security threats in South Asia: What we need to know not to miss out challenges and risks
	Sriram, Chandra Lekha	CARNEGIE TRUST FOR THE UNIVERSITIES OF	£1,000.00	Travel grant - Peace as Governance
	Sriram, Chandra Lekha	THE BRITISH ACADEMY	£5,989.00	Peace as Governance? Inclusion of armed groups in power structures as a tool of conflict resolution.
	Wilkinson, Paul	ANDREW CROFT FELLOWSHIPS	£5,492.00	Andrew Croft Fellowship
International Relations Total			£42,848.00	
Management	Bebbington, Kathryn Jan	INDUSTRY	£3,800.00	Landcare Research

School	Lead PI	Sponsor	Award	Project
	Bebbington, Kathryn Jan	MACAULAY INSTITUTE	£550.00	Consultancy - Accounting for Sustainable Development
	Burt, Eleanor	COUNCIL FOR VOLUNTARY SERVICE FIFE	£15,860.00	An Evaluation of Capabilities
	Nutley, Sandra Margaret	SCOTTISH EXECUTIVE-HEALTH DEPARTMENT	£13,100.00	Cancer Care Research Centre: Impact Evaluation Phase1
	Management Total		£33,310.00	
Mathematics & Statistics	Buckland, Stephen Terrence	BUTTERFLY CONSERVATION	£3,000.00	Statistical reseach to improve the analysis of butterfly transect data
	Buckland, Stephen Terrence	EPSRC	£323,004.00	National Centre for computational statistical ecology
	Buckland, Stephen Terrence	THE LEVERHULME TRUST	£21,538.00	Fellowship - Prof S Buckland 'Flexible methods for defining & fitting complex population dynamics models'
	Burt, Mary Louise	INTERNATIONAL WHALING COMMISSION	£7,000.00	DESS support and development and analysis of 2003/04 sower minke whale survey data
	Hedley, Sharon Louise	PERSONAL RESEARCH ACCOUNT	£9,800.00	line transect analysis of blue whale aerial survey data
	Hood, Alan William	PPARC	£128,755.39	3D MHD simulations on multi processor parallel computers
	Hood, Alan William	PPARC	£429,432.46	Re-announcement of research grant fellowship- 'Solar System MHD Theory'
	Linton, Stephen Alexander	EPSRC	£549,448.50	Multidisciplinary Critical Mass in Computational Algebra and Applications
	Plougouven, Riwal	THE NUFFIELD FOUNDATION	£5,000.00	Quantifying the generation of gravity waves from jets and fronts in the atmosphere
	Mathematics & Statistics Total		£1,476,978.35	
Medical School	Dholakia, Kishan	EPSRC	£191,252.00	Advanced Biophotonics Workstation
	Medical School Total		£191,252.00	
Philosophy	Timmermann, Jens	AHRB	£14,013.00	Research Leave Scheme
	Timmermann, Jens	THE BRITISH ACADEMY	£700.00	Conference grant 2004/05
	Timmermann, Jens	THE ROYAL SOCIETY EDINBURGH	£2,550.00	Travel Grant - European Visiting OF Fellowship Programme
	Philosophy Total		£17,263.00	
Physics & Astronomy	Cameron, Andrew Collier	PPARC	£127,358.80	Re-announcement of award - Observational Astrophysics at St Andrews
	Dholakia, Kishan	EPSRC	£382,505.00	Advanced Biophotonics Workstation
	Dholakia, Kishan	EPSRC	£5,402.00	Tripping the light fantastic - visit to Sasol S.A.

NEWS

School	Lead PI	Sponsor	Award	Project
	Dunn, Malcolm Harry	THE ROYAL SOCIETY	£99,170.00	Novel, All-solid-state parametric generator of widely-tuneable, narrow-line width, coherent THZ radiation
	Greaves, Jane Sophia	PPARC	£261,137.00	How common is the Earth?
	Gunn-Moore, Francis James	MRC	£30,815.00	Photonic manipulation of mammalian neuronal growth
	Krauss, Thomas Fraser	EPSRC	£93,660.00	Light induced Dielectrophoresis (LIDEP)
	Mackenzie, Andrew Peter	EPSRC	£738,456.00	Portfolio Partnership on Novel Quantum Order in Interacting Electron Metals
	McGloin, David	NERC	£30,131.04	Sonic Manipulation and sorting of aerosol droplets
	Rae, Cameron Francis	INDUSTRY	£148,490.00	Frequency Agile Visible and IR Laser Sources
	Rae, Cameron Francis	INDUSTRY	£9,270.00	Development of OPTO-ASIC Instrumentation
	Robertson, Duncan Alexander	PERSONAL RESEARCH ACCOUNT	£5,800.00	Feasibility Study to evaluate a quasi-optical front end for a mm wave radar
	Samuel, Ifor David William	INDUSTRY	£54,848.00	Dendrimer electronics and photodetectors
	Sibbett, Wilson	THE ROYAL SOCIETY	£12,000.00	International Joint Project - Former Soviet Union
	Smith, Graham	EPSRC	£141,137.00	Prototype EPR/NMR instrument for DNP-enhanced studies of biological systems using high resolution NMR microscopy and spectroscopy
Physics & Astronomy Total			£2,140,179.84	
Psychology	Cassidy, Clare	THE BRITISH ACADEMY	£200.00	Overseas conference grant application-14th General meeting of the european association of experimental social psychology
	Flynn, Emma Grace	THE ROYAL SOCIETY	£760.00	Conference grant - Society for Research in Child Development Biennial Meeting
	Harris, Julie	EPSRC	£204,273.00	Binocular vision and distance perception
	Harris, Julie	EPSRC	£113,650.00	Fellowship- Binocular Information for the Real World -Transfer from Univ of Newcastle Upon Tyne
	Tiddeman, Bernard Paul	INDUSTRY	£209,582.00	Quantification of ageing/healthy skin attributes using modules of consumer and dermatological evaluation
	Whiten, David Andrew	SCOTTISH HIGHER EDUCATION FUNDING COUNCIL	£1,599,976.00	Living Links to Human Evolution
	Zuberbuhler, Klaus	EUROPEAN COMMISSION	£464,434.00	Origins of Referential Communication
Psychology Total			£2,592,875.00	
Grand Total			£ 12,512,578.99	

STOP PRESS...STOP PRESS...STOP PRESS...STOP PRESS...

Volunteers Wanted for Cancer Study

As you may remember from previous issues, Dr Margaret Ritchie of the Bute Medical School is leading a team of researchers investigating a possible link between exposure to certain foods and the characteristics of some cancer tumours. The research also hopes to establish whether the exposure to phyto-oestrogens (plant compounds) in food reduces the risk of some cancers occurring.

Margaret is currently hoping to enlist healthy adult men and women (age 25 – 60) to take part in a study which examines more about the role of phyto-oestrogens in the body.

The study lasts for six to eight weeks, requires you to keep a food diary, and will involve you giving some blood and urine samples.

One of the benefits from taking part in the study is the opportunity to receive detailed information about your own diet, such as:

- A report of your nutrient intake - calories, carbs, sugars, fat, protein, fibre, salt, vitamins, minerals etc
- A breakdown of your percentage of daily calorie intake from fats, carbs, protein and alcohol
- A breakdown of the types of fats you

consume (saturated, mono and poly-unsaturates, as well as cholesterol intake)

- A comparison of your food intake to dietary reference values (what used to be called 'recommended daily amounts')
- Which foods you eat are the biggest contributors to your sugar or protein intake
- Your intake of health-protecting phyto-oestrogens.

This is a unique chance for University staff to make their contribution to research in nutrition and health. Interested? Contact Margaret on 01334 463502 or email mrr3@st-andrews.ac.uk

Guess where? Answers



1. Door, Biomolecular Sciences building



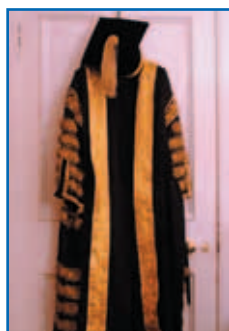
2. Gargoyle on door, St Mary's Quad



3. Engraving on former John Smith + Son building



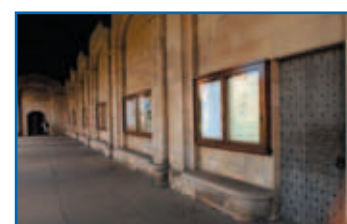
4. False Press Office window



5. Chancellor Sir Kenneth Dover's graduation gown



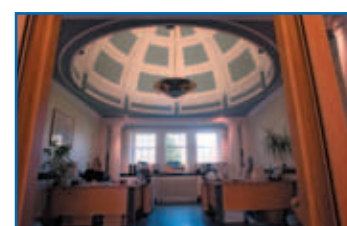
6. Wooden man at entrance of Doll's House restaurant



7. Studs on Chapel door, St Salvador's quad



8. Entrance floor of Jack Cole building (Computer Science)



9. Ceiling, Admissions reception



University
of
St Andrews

