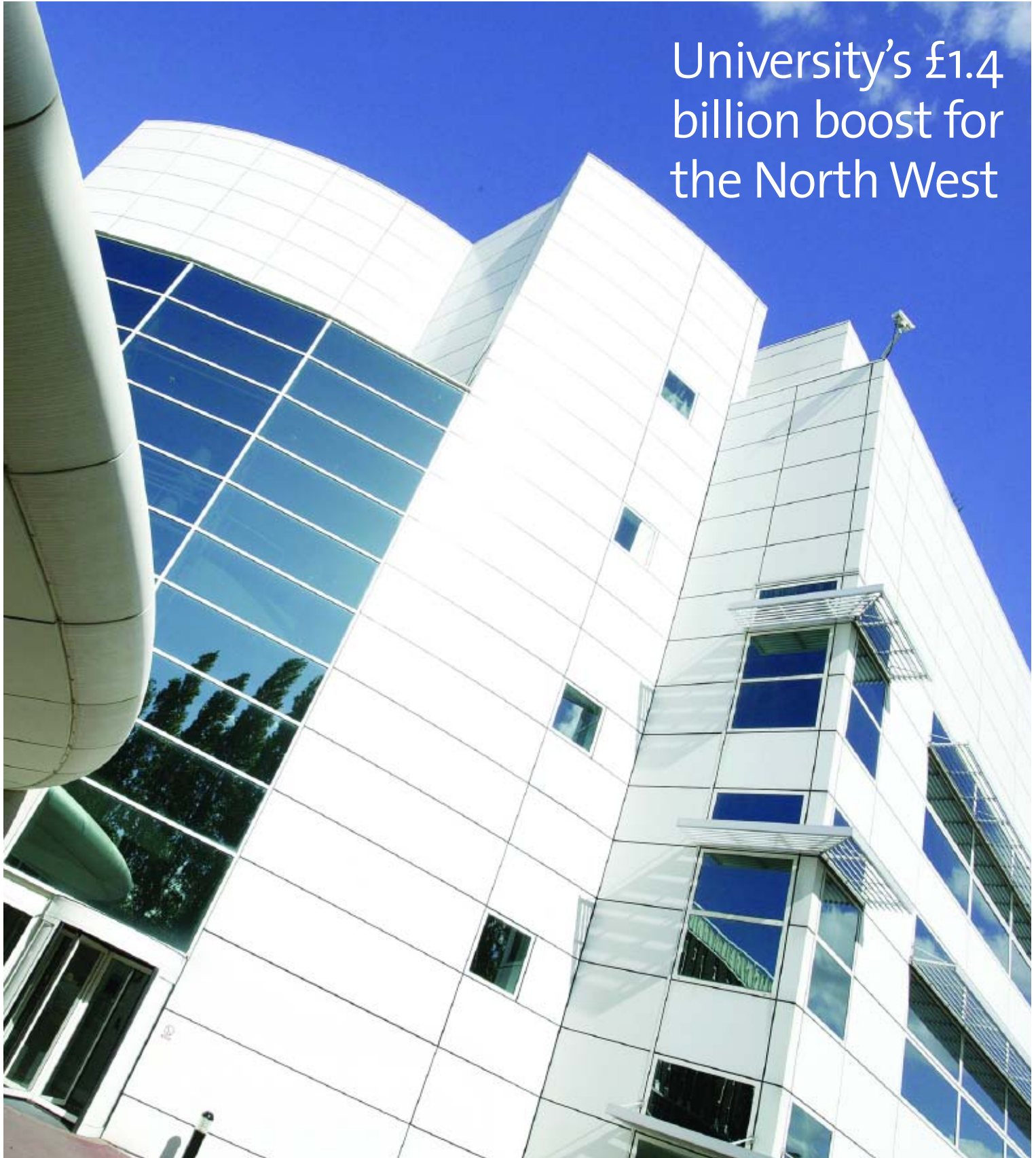


UniLife

University's £1.4
billion boost for
the North West



NewsDigest

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A summary of the key news in this issue of UniLife:



- 3** A new report into the economic impact of the University reveals that it generates £1.4 billion for the North West every year. It also supports 15,420 jobs in the region, this is set to grow to more than 2015.



- 4** Manchester Science Park celebrate it's 20th anniversary, it is currently ranked in the top five in the UK and today provides space for 80 technology-based businesses employing 1100 people – more than half of whom are alumni of the City's universities.



- 6** A new research centre which will help to develop the transport of the future has been opened at the University in Partnership with Rolls-Royce. It was opened by Rolls-Royce chief Operating Officer John Cheffins at a special ceremony attended by the President Professor Alan Gilbert.



- 10** Clive Rowland, Chief Executive of The University of Manchester Intellectual Property Ltd (UMIP), introduces the University's new commercialisation company and sets out his vision for the future.



- 12** The University of Manchester has been launched to 180 local primary schools and the wider community with an exciting new initiative 'Primary Vision' aimed at fostering links. The 180 represents 180 years of combined excellence at the University.

University Creates Boom For the North West

A new report out this week (30 November) will reveal that The University of Manchester generates £1.4 billion pounds for the North West region every year. And this will double to £2.8 billion over the next decade.

The University also supports 15,420 jobs in the region, and this figure is set to grow to over 30,000 by 2015, according to the study.

The report, entitled '*The Economic Impact of The University of Manchester*', also reveals that Manchester is the UK's first half-billion pound university, with a turnover in excess of £500 million per annum.

This follows a recent league table in the *Sunday Times University Guide 2004*, which named Manchester as the top university in the North West.

But President and Vice-Chancellor of The University of Manchester, Professor Alan Gilbert, says this is only the start: "By elevating Manchester into the premier league of world universities over the next decade, we will also make the University a dynamic contributor to wealth-creation and employment growth in Manchester, the North West and the UK."

Consultants AD Little were commissioned by the University to assess the economic impact on the city, the region and the rest of the country. Their report also reveals:

- The University of Manchester spends £160m per annum to support research – and this figure will have doubled by 2015



- The University directly employs 9000 staff
- The University has created over 100 spin-off companies from its research activities.

But it's the spending power of the staff, students and visitors to the University which has the biggest impact on the North West. The survey reveals that they spend £836m every year to support businesses and jobs across the region.

The report also reveals that the University will continue to be one of the North West's top creators of wealth over the next decade. The University's strategic vision, - *Towards Manchester 2015* - commits the University to a continued programme of expansion and development.

By 2015 the University will see an:

- Increase in expenditure to £750m
- Increase in direct impact on the local economy to £1.25m
- Increase in the number of spin-off companies to 350

Professor Alan Gilbert added: "It is essential for the well being of the UK, the North West and, of course, for Manchester, that there is, in our City, an international university able to attract outstanding students, teachers, researchers and creative people generally to join the regional community and enrich its professional workforce and cultural life. Equally, we want The University of Manchester to be a welcoming and nurturing institution for talented young people from all backgrounds, including those who might not otherwise see higher education as an option."

News



From left: John Woodcock, Jane Davies, Professor Alan Gilbert, Neil Fountain, Professor John Allen and Dame Sandra Burslem

Manchester Science Park (MSP) celebrated its 20th anniversary last week with a gala event and fireworks, bringing together people who had helped to establish the Science Park and those who have supported MSP - currently ranked in the top five UK science parks.

MSP Celebrates 20 Years With A Bang

MSP has now become an internationally recognised focus for technology-based businesses. Its growth has contributed to the regeneration of the neighbouring Hulme area and has created employment for the local community.

The evening was hosted by MSP CEO, Jane Davies, with speeches by Neil Fountain, MIDAS; John Woodcock, chairman of Pochin PLC, partner in the Technopark development on Birley Fields, Hulme; Professor Alan Gilbert, President & Vice-Chancellor of the University; Dame Sandra Burslem, Vice-Chancellor of MMU; and Professor John Allen, former CEO and current Chairman of MSP. The speakers highlighted the progress of the Science Park, and its contribution to the economic and technological wealth of Manchester, and confirmed their continued support.

Jane Davies said: "As a profitable company, providing offices and labs for some 80 companies employing 1100 people, more than half of whom are alumni of Manchester's universities, I think we can say that MSP has fulfilled the hopes of its founders."

MSP is a partnership between Manchester City Council, the City's universities and the private sector. It's future is set to see continued development, with expansion on its main site, the extension of its operation into East Manchester and at the University's Arches Incubator, as well as a move into the biotech sector through the provision of grow-on space for this important North West cluster.

www.manchestersciencepark.co.uk



Student Services Centre

At your service

The Student Services Centre has won a top European award for its innovative IT systems which support an efficient 'one stop shop' service for all students. administrative queries including tuition fees, loans, examinations and graduation.

The European Universities Information Systems Association (EUNIS) 'Elite Award for Excellence 2004' was presented to Head of the Centre, Dr Philip Harris at the Association's Annual Congress in Slovenia.

Dr Harris said: "We are very proud indeed to have won this prestigious award. The creation of the Student Services Centre was truly a team effort involving a large number of dedicated individuals.

"This award recognises the very high importance we place here in Manchester in the quality of administrative service we give to our student customers; our IT

systems are a key element in delivering that service."

The SSC was established in January 2003 as a single central student customer contact centre using the latest customer relationship management (CRM) and call centre technology. The custom-designed centre has a walk-in service and virtual services through the call centre.

The award was given for the innovative IT infrastructure incorporating systems integration, self-service facilities and business management improvements.

News

A Uniform Approach

With uniformed staff on campus now sporting the new University logo and corporate colours since 1 October, a huge pile of old uniform and work wear has been collected in recent weeks and will be used to help charity in a number of ways.

The garments bearing the obsolete logos have been collected by Oxfam and suitable items will be sent overseas; others will be shredded for recycling with the proceeds going to Oxfam; while outerwear has been sent to the Barnabus Charity which runs The Beacon drop-in centre in Manchester for homeless people.

Oxfam were contacted through the supplier of the new University uniforms, IOMA Clothing Limited resulting in

around 100 bin bags of clothing being loaded onto the Oxfam van.

Diane Whitfield of the Purchasing Office who co-ordinated the purchase of the new uniforms, said: "We had been collecting old uniforms since 1 October so had amassed a considerable amount. We were pleased to support the University's environmental policy and demonstrate a corporate social responsibility; particularly in being able to support a local charity."



Peter Murray, (left) and Alan Ashcroft, Building Superintendents, with Rosie from Oxfam.

Student Survey

A University-wide system of anonymous and confidential student questionnaires is being introduced which will cover all subjects and key areas of academic and personal support.

These include unit questionnaires to be conducted at the end of each semester and an annual satisfaction questionnaire towards the end of the academic year. The responses will make an important contribution towards the University's goal of providing students with support services, learning environments, teachers and a teaching and learning infrastructure equal to the best in the world.

The first unit questionnaire, which will be for undergraduate units completed during Semester 1, will comprise eight short questions. It will be distributed to students for completion in class during the two week period from Monday 6 December 2004. Schools have been provided with details of the administrative arrangements involved.

Staff are asked to encourage all students to participate fully and take this opportunity to make their views known.



Research



John Cheffins and Professor Alan Gilbert

The Rolls-Royce University Technology Centre (RRUTC) in Electrical Systems for Extreme Environments was opened by Rolls-Royce Chief Operating Officer John Cheffins (pictured left) on 12 November.

The ceremony was held in the Entrance Hall of the Sackville Street Building, followed by a celebratory meal at the Midland Hotel, where Charles Rolls and Henry Royce forged their original partnership at Manchester's Midland Hotel in 1904.

Dr Sandy Smith, Director of the RRUTC, said: "Rolls-Royce were looking for a research team with expertise not just in electronics, but in electrical power

New centre is 'electric'

A new research centre which will help to develop the transport of the future has been opened at the University in partnership with Rolls-Royce.

engineering, and there are not many groups left now in the UK who specialise in these areas."

"This collaboration puts us at the leading edge of technologies in this field and we hope this is a stepping stone to a much bigger relationship with Rolls-Royce and opens doors to working with other world-leading players."

The Centre will work in collaboration with Rolls-Royce, and two other UTCs at the universities of Sheffield and Strathclyde, to develop the electrical systems which will power the planes and ships of the future.

Research will focus on designing electrical systems which are lighter and more efficient than the heavy pneumatic and mechanical systems used on ships and planes today. Reducing weight will reduce fuel consumption, lower emissions, increase efficiency and ultimately reduce the cost of travel.

President and Vice-Chancellor Alan Gilbert, said: "While remaining totally committed to fundamental research, The University of Manchester also places a high value on the development of intellectual property. The new Rolls-Royce Centre is exactly the kind of research collaboration that we are determined to encourage and support."

Golden Age



The Arthritis Research Campaign (ARC) Epidemiology Unit's Golden Jubilee was celebrated with an international rheumatology symposium earlier this month.

The occasion marked 50 years of achievement in researching the cause, occurrence and treatment of rheumatic diseases and was held at Manchester Conference Centre. More than 200 delegates attended, including several overseas guests, current and past members of staff.

The Unit is a unique research institution internationally, with its major focus being understanding the epidemiology of the major rheumatic and musculoskeletal disorders. Although part of the University, the Unit has long been considered a national resource by the UK rheumatological community.

There were several eminent speakers at the event who provided an insight into many aspects of rheumatology research over the years, including a history of the Unit and of developments in epidemiological methods over the last 50 years, presented by the Unit's current Director Professor Alan Silman.

Other Unit staff including Professor Deborah Symmons, Deputy Director; Professor Gary Macfarlane, Professor of Epidemiology and Dr Jane Worthington, Reader in Immunogenetics were among the keynote speakers.

Research

Decisions, decisions...

A new methodology and computer programme that can help make intelligent judgements is set to advance the way we make decisions.

Developed by a team led by Professor Jian-Bo Yang, Professor Barnie Dale and Dr Simon Shackley at Manchester Business School, it could eventually be used in a wide range of fields, from measuring the excellence of an organisation to testing the quality of food.

Professor Yang, head of the Decision Sciences and Operations Management group, explained: "If you were buying a car you would look at the various indicators, like price, reliability, performance and fuel economy. This programme can help you make a decision based on judgements as well as statistics, so if you're rich and price is not that important to you but reliability is, it will weigh these factors into the equation."

This, he says, is particularly important for



Spoilt for choice... Professor Young pictured at Stratstone Jaguar, Manchester

companies or organisations, where decisions have to be justified, as the programme would also give reasons why, say, one fleet of cars was chosen over another.

The research, funded by the Engineering and Physical Sciences Research Project (EPSRC), has been rated as 'internationally leading' in its potential scientific impact, with possible 'outstanding' benefits to society.

"There have been statistical-analysis programmes before but they have their limits," said Professor Yang. This software is able to make use of such judgemental information in the decision-making

process – that is what makes it unique."

He says the software's applications are manifold and future research projects include the analysis of human errors in engineering equipment, food quality analysis, new product development, risk and safety analysis, environmental impact analysis and a comparison of the productivity of nations.

Anyone who thinks their research might benefit from the decision-analysis software can call Professor Yang on 0161 200 3427 or email jian-bo.yang@manchester.ac.uk

www.mbs.manchester.ac.uk

Fund Scoops National Award

The University's in-house venture fund has been named University Challenge Fund of the year. The Investor AllStars Award for 2004 was presented to Manchester Technology Fund (MTF), at the annual gathering of the UK venture capital industry in London, beating off strong competition from, amongst others, Cambridge, London and Bristol universities.

The judges were impressed by MTF's track record of supporting successful and innovative companies, an ability to create an economic cluster around the University and recent "world-class deals syndicated with leading venture capitalists".

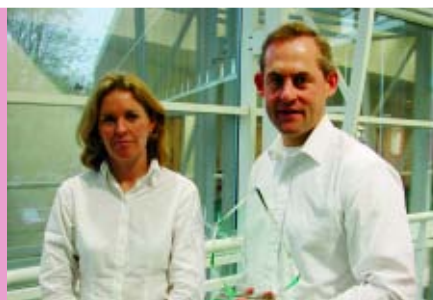
MTF was launched in 2000 as a joint venture between UMIST and VUM and provides money and commercial expertise to University spin-out companies – 13 to date. The Fund, which is run by Managing Director Richard Young and Director Jennifer Raffle, works closely with the University's technology transfer team, newly merged under the UMIP banner (see page 10). It considers approaches from any academics with ambitions to turn their research into commercial success.

Richard said: "We are naturally delighted to have brought the award to Manchester. Alongside £2.5m from MTF, we have raised a

further £20m from a range of external venture capital funds, both UK and US-based. We are now looking for a further 20 projects to support."

One of MTF's biggest successes is Transitive Technologies created by Alastair Rawsthorne formerly of the Department of Computer Science (VUM). It creates software which allows any software application to run on any processor. Today the company is worth around \$56 million.

Contact Richard Young on ry@mantechfund.com



Jennifer Raffle and Richard Young

www.mantechfund.com

Research



Dr Martin Gibson (left) and Professor Mark Dunne.

Diabetes and Obesity

Tackling the causes and complications of diabetes and obesity, and their effect on the nation's wellbeing will be top of the agenda at a cross-disciplinary workshop for Manchester scientists and health professionals on 10 December.

The direct cost of treating obesity and its consequences are estimated to be 1.5% of total NHS expenditure; with diabetes service provision consuming about 10%. The complications of diabetes diminish the quality of life for millions of people in the UK.

The workshop, organised by the University's Institute of Health Sciences, will launch the Diabetes and Obesity Research Network (DORN), a 100-strong group co-ordinated by Professor Mark Dunne from the Faculty of Life Sciences and Dr Martin Gibson, Director of Research and Development at Salford Royal Hospitals NHS Trust.

Manchester boasts formidable local skills for cutting edge diabetes and obesity research. Its expertise spans molecular biology and physiology through to population-based and health implementation research – all underpinned by increasingly sophisticated information technology. Manchester is a multi-cultural city and provides major

opportunities to study the genetic and environmental causes of diabetes in distinct ethnic and cultural groups.

Professor Mark Dunne said: "Diabetes is an incurable condition reaching pandemic proportions internationally. The number of people with diabetes doubles every 12 years in developed nations. We need to synergise our collective expertise to tackle diabetes and obesity."

As well as DORN, the Institute has helped establish five other networks, including the Child Health Research Network which also has 100 members drawn from clinicians, academics, social scientists, educationalists, policy makers as well as leading NHS figures locally. This network holds its next workshop on 3 December looking at the research implications of the National Service Framework for Children.

"We have major strengths in Manchester in health science research. Investigators who attend our workshops meet people from different backgrounds, gaining inspiration from fresh perspectives and

generating new ideas for research." explained Institute of Health Sciences Coordinator Rebecca Jones.

Research networks are just one aspect of the work of the Institute of Health Sciences (IHS), a networked organisation of 23 health-science research groups within the University and local NHS trusts.

Institute Chair, Professor Bonnie Sibbald, said "The kind of research done within the Institute is very much at the applied end, so there isn't such a big lag between discovery and implementation in the NHS. Research we have done in a number of areas has already directly informed and changed Government policy."

The Institute supports and co-ordinates the research and strategic development of member groups as well as promoting the prestige and scope of the health science community locally.



Teaching and Learning

Networking Opportunities

Curriculum Development and Innovation forms part of the Teaching Learning and Assessment Office (TLAO) and has a strategic remit to promote the development of teaching and learning across the University.



Jocelyn Wyburd

Curriculum Development and Innovation forms part of the Teaching Learning and Assessment Office (TLAO) with and has a strategic remit to promote the development of teaching and learning across the University. The team's range of activities is varied and includes:

- curriculum innovation project funding and support
- professional and personal development opportunities for staff and students
- the 'students as partners' initiative
- support for the delivery of institutional and faculty teaching and learning strategies
- facilitation of internal/external networking and dissemination

Curriculum Development and Innovation manages and contributes to the activities of the Teaching Research and Development Network (TRDN). TRDN is an interdisciplinary staff network which aims to promote good practice through discussion, debate and dissemination of research into student learning. The Network welcomes all members of staff involved in the teaching and learning process and its Steering Group comprises members from a range of backgrounds, skills and experiences. It aims to provide

- A climate of scholarship and reflection on the teaching and learning process

- Opportunities for mutual support and sharing of ideas
- A forum to consider research on student learning
- Support for individual and collaborative research projects

Currently Chairing the TRDN Steering Group is Jocelyn Wyburd, Executive Director of the Language Centre and a National Teaching Fellow. As a practitioner teacher more than a researcher, Jocelyn has developed a strong interest in learner autonomy and resource-based learning. She has been involved in curriculum development, specifically linked to the application of new technologies.

Jocelyn said: "Colleagues from both universities have been working together for many years in the pursuit of scholarly innovation and excellence in teaching and learning initiatives, facilitated by the TRDN. The merger gave TRDN opportunities to exploit the existing collaborative network and to extend its activities to a wider and more diverse group of colleagues.

"TRDN has a valuable role to play in supporting the University's collegial community. A regular and varied programme of activities hopes to attract wide participation from within the Institution. TRDN events, seminars and workshops are focused around several

'special interest groups' (SIGs), each SIG being convened by a member of the Curriculum Development and Innovation team plus two members of the Network Steering Group who have a particular expertise or interest in the topic. SIGs for this year are:

- Scholarship of Teaching and Learning
- Students as Partners
- Academic Writing Group
- Partnership and Organisation

The next event is at the Whitworth Art Gallery on 18 December between 5:00 and 8:00 pm. Led by the 'Students as Partners' group, the theme will be 'The Student Experience of Assessing Skills'. You are advised to book early as places are limited. Please e-mail trdn@manchester.ac.uk

Ideas and suggestions for future events, or expressions of interest in joining the Network can be sent to the TRDN Secretary, Karen O'Rourke, the Senior Curriculum Development Officer, based in the Teaching Learning and Assessment Office. Karen manages a range of teaching and learning projects funded by Curriculum Development and Innovation and has a particular interest in Problem-Based Learning and student mentoring.

For any information on TRDN please contact Karen on 275 3399 or at karen.o'rourke@manchester.ac.uk

“The foundation of the new University was a once in a lifetime chance to achieve a coincidence of IP commercialisation objectives with its strategy.”

Intellectual Property

Clive Rowland, Chief Executive, introduces The University of Manchester Intellectual Property Limited (UMIP), which is the University's new intellectual property (IP) commercialisation company created to build upon the achievements of UMIST Ventures Ltd and Manchester Innovation Ltd (VUM).



Clive Rowland

“IP is the creative output of people and in our community this usually means the ideas and results arising from academic thought and research. IP is often protected through registration to gain rights (IPRs) such as patents, copyright, designs and trademarks and it is these rights which allow inventive people and their organisations to own and control their use – just as one can with a capital asset such as a house. In practice they give you a monopoly over your work and inventions.

For many companies, these IPRs are their most significant assets but they don't last forever. For example, during the next year alone, some 200 patents will expire on drugs which amount to some £20 billion of “safeguarded” income to pharmaceutical companies.

However UMIP is not concentrating on a goal of generating cash only. We are interested in overall reputation and our work has to be integrated into the university's wider mission. We know that commercialisation must not interfere with academic leadership and freedom, therefore our role is to manage it sensitively so that it is compatible.

Back to Basics

The foundation of the new University was a once in a lifetime chance to achieve a coincidence of IP commercialisation objectives with its strategy.

We looked at other UK universities' policies and discussed practices with US universities but came up with our own IP approach that has the principle of empowering staff and students at its heart.

Policy Overview

The University asserts its employer's right to the IP originated by staff but in the context of a generous IP regime where the starting point for the sharing proceeds of free standing IP is strongly in favour of staff (85% of net rewards). Thus the University hopes that a wide and positive engagement by staff will ensue and also be a constructive factor in the attraction and retention of enterprising researchers.

UMIP must demonstrate what it can do to increase its share of those projects it would like to manage. Where staff feel they have better ways to market than through UMIP, they can make a case to the university and be authorised to proceed independently.

Students are in a special situation and where they are not also employees of the university or in some way funded by a company, they will own the IP that they create.

UMIP Strategy

The fundamentals of our strategy will be built through an interest in and an

understanding of how the Faculties, Schools and Institutes see IP and commercial activities fitting into their overall plans and by UMIP positioning itself in response and in such a way that it is clear to staff how UMIP can assist and deliver those aspects of their endeavours.

Not everyone will be interested in commercial projects of course, but an understanding of IP in relation to research contracts and consultancy is really important to all.

We aim to improve the level of knowledge about IP across the campus through a continuous seminar and workshop programme for staff involving outside specialists and captivating speakers and to supplement this by producing relevant lay guides, for example “*An Academic's Guide to IP and Confidentiality*”.

Beyond this we will provide a professional service in the evaluation of ideas and inventions and be timely in giving opinions on the merit of these disclosures and in making recommendations. Where a proposal has potential but is not best handled through UMIP we will try to find other options for ways forward.

There has been a tremendous focus on spin-out companies in the last five years and this activity is certainly headline grabbing. However I should like to see us



more carefully tailor the method of commercialisation that takes into account the material with which we are dealing and the amount of time and commitment that an academic has for working with us. We aren't going to achieve much unless the academic is available to work with us for a while on a project and at more than a superficial level. Every case will be a unique partnership. The intention is to ensure that we always consider a range of options such as licensing, the outright sale of IP, corporate partnerships, strategic alliances and joint ventures, or a combination of these, to complement the spin-out company option.

To have these options means that we need excellent links to the corporate world into which we can smoothly pitch our inventions and business propositions. So UMIP needs to work cooperatively with those University, faculty and school officers that are responsible for these relationships, especially the research administrators and the external relations teams.

We are basing "the engine" of our 30 plus strong organisation in the faculty offices to help achieve this goal because it is the physical proximity that is most likely to bring about meaningful collaborations and help establish a one-stop-shop service to staff. UMIP has a central corporate office which provides additional expertise to the Faculty-based teams. We have an

extensive network of industry experts, professional advisers and investors to assist with the whole process. In addition, UMIP holds the university's patent budget and manages its early-stage seedcorn investment funds.

UMIP has a board which includes directors drawn from the outside and from nominees of the University. I believe firmly that the limited company model for IP commercialisation is right because it provides legal distance from the University in respect of advice provided in a risk management area and if you are managing or working in a company yourself it increases the credibility of advice about spin-outs and licensing given to others.

Our work is complemented nicely by the Manchester Science Enterprise Centre (MSEC) which mainly caters for enterprise training and IP projects for the university's students and by the university's incubator company (UMIC) which organises the smooth flow of activities out of the academic laboratories into appropriate accommodation.

In 2015

We will have seen a consistent year-on-year increase in the number of IP disclosures and noticeable increases in third party activity in our commercialisation efforts including

external investment capital. Our portfolio will be well diversified by then having a good spread of science, technology and humanities projects and having multiple routes to market.

Engagement by more women benefits our commercialisation profile by broadening the skills and leadership styles available to us, but experience shows that very few are involved in commercialisation generally and even less are directors or shareholders in spin-outs (4%). So by 2015 we are aiming to be able to say that the number of women participating in the total of our IP commercialisation activities here more closely matches the current national ratio of women academics to the total academic population (39%).

There is no doubt that the university will be admired internationally alongside the very best for the style, quality and scale of its IP approach and achievements.

UMIP is a resourceful, experienced and enthusiastic team which is already working extremely hard towards assisting the university attain its IP ambitions."

Clive Rowland

clive.rowland@umip.com

In the Community

The University of Manchester was launched to primary schools and the community at a celebration lunch held recently in the Whitworth Hall. Organised by the Business, Careers & Community Division (BCCD), more than 100 headteachers, senior University management and staff from across all four Faculties attended the event, celebrating not only the launch of the new University, but also an exciting new initiative – Primary Vision.

Primary Vision



Speakers at the event included Mick Waters – Chief Education Officer, Manchester Education Partnership. Mr Waters said: “In some wards in this city, progression rates into higher education are as low as 0.01% with the average across the city being 17%. It is vitally important that the University supports and develops aspirations of the youngest generations in education; they will become the graduates, engineers, scientists, business leaders and creative entrepreneurs of the future.”

An important part of Manchester 2015 Agenda is a reinvigorated commitment to promote learning and raise educational

Mick Waters

aspirations in the community. The foundations for such activity are already in place in the nationally recognised work with schools undertaken by the two universities, through research, widening participation and sports development programmes, and through the University’s cultural assets such as The Manchester Museum and The Whitworth Art Gallery.

In the months leading up to the launch of the institution, staff from the BCCD consulted with Local Education Authorities to find out how it could build on this rich history and involve local primary school children and local communities in the creation of the new

University. The resulting project, ‘Primary Vision’, involved the University making a gift of a digital camera, webcam and digital voice-recorder to every school in the City of Manchester, and selected schools in deprived areas of other Greater Manchester LEAs. The 180 primary schools chosen equals the 180 years of combined excellence at the University, and staff from the University were involved in delivering and presenting the kit to a number of schools in the local area.

Pupils and staff from the primary schools were asked to use the equipment to capture moments of school life during the launch period of the new University. Submitted photos were entered into a Primary Vision photo-competition and featured on the University website:

Jane Ratchford, Director of Business, Careers & Community Division explains: “Primary Vision supports the children’s ICT skills and the embedding of the DfES ‘Learning & Teaching Using ICT’ project. Through valuable discussion with the LEAs we were able to make a real impact, providing much needed equipment. This project is an excellent example of the commitment of 2015 to raise aspirations and to becoming a university of the City and for the City.”

Vice-President
External
Relations
Professor Paul Layzell



In the Community



Registrar Dugald Mackie and Audrey Othick, Summerville Primary School



'Tyre Park' the winning picture

One of the schools to benefit from Primary Vision is right on the University's doorstep on Denmark Road. Holy Name School has a large mixed community with many children speaking English as an additional language and 15 % of whom are from homeless families. Children from the school acted as helpers on the day giving out packs and showing delegates to their tables."

Headteacher Catherine Gordon said: "The School and its pupils have been extremely excited to be involved with The University of Manchester. This is the first time we have worked with the institution and we look forward to strengthening links on future projects. Many of our children are from low-income families and very few, if any, have parents or

relatives who have received further or higher-education. We are very grateful for the equipments and the opportunity for our pupils to be involved in the event."

The winning school in the competition was Summerville Primary School in Salford. Joyce Flint, Headteacher said: "We are delighted to have been chosen as the winners. The children have enjoyed being involved with the University in a creative and engaging way. The extra provision of ICT equipment enables us to capture magic moments as they happen. Children playing with ICT equipment today will make them experts for life."

Also introduced at the event was a new initiative – The Children's University of

Manchester – an interactive website for children aged seven to 11 years, primary school teachers and parents and guardians, that connects the University's research themes and knowledge creation to the Key Stage 2 curriculum. Illustrative pages, that have been developed in collaboration with Professor Kersti Borjars - Associate Dean for the Faculty of Humanities, were shown at the event

The initial feedback from the event has been very positive and many staff from across the University took away action plans for future work with the teachers that they met.

Profile

“

We are finding out a lot about how students learn – and how they like to learn.

”

Bradford's Brief

The challenge of change is all around us – and no-one is more enthused about it than Michael Bradford. He revels in change, not for its own sake, but because he likes to foster development, especially when it relates to the way students learn and the way they are taught. So, his new appointment as Associate Vice-President for Teaching and Learning could not be more appropriate – and follows on logically from his stint as Pro-Vice-Chancellor (VUM) with that same brief for the past three years and more.



That, of course, was a full-time job, but now he is also returning to his first love – teaching and research in the School of Geography. His enjoyment of working with students, in his own inimitable style, comes across naturally. He is known for abandoning the office environment in favour of the setting of, say, the Concourse Café – and he is the sort of man students feel they can talk to informally. He has a relaxed style, a ready smile, the gift of communication. Serious, but amusing. Clubbable, you might say – and he is a long-playing member, captain of a club squash team and currently President of the University Squash Club.

“It is really exciting to be coming back to teaching and research,” he says. But it is not enough for him merely to return to teaching – he has invented a new course and a new way of student learning for it. In a way, he is practising what he has been preaching for years in overseeing the training of new academics.

The new course is The Geographies of Children, one of his specialist areas – and an area in which this University has become one of the leading centres. “The way we are doing it is unusual,” he says. “We get the students to be their own resource, doing exercises which makes

them reflect on their own childhood, relating their academic work to everyday life. They present individual portfolios for assessment – and then progress to a related team project for further assessment. There are no exams as such. It is important that students are involved, active, make a real contribution.”

Perhaps he was destined to be a teacher. Indeed, had he not gone off to the University of Wisconsin at Madison as a postgrad when he graduated from Cambridge (Cath's) in 1967, he would have gone into teaching then. Mind you, had he not gone to Wisconsin, he would not have met his wife, Sheila, a fellow student.

He is also happily teaching a first-year course, People, Places and Policy, which reflect another of his key research interests, Urban Policy, to a class of 180 students.

“I also decided last summer to do some learning myself – I wanted to find out more about how students were learning Geography,” he says. He has followed 24 students from last year's entry, seeing them every semester, in small groups, getting them to reflect on their learning experience. He has written about his findings so far and presented a paper at

an international conference. “It helps us as we develop new ways of learning, such as an on-line strategy.”

So, his own teaching and research link seamlessly into his University-wide role. And, having been co-chairman, with Professor Bob Munn, Vice-President for Teaching and Learning, of the Academic Framework and Regulations Committee, as part of Project Unity, he was centrally involved in setting the base for the teaching and learning in the new University.

“We are concerned with a number of developments – in student learning, teaching methods and new training for academics,” he says. “We are developing on-line learning, using computers more to support rather than replace traditional teaching, and we are spreading enquiry-based learning.”

He is an enthusiastic proponent of this method: “The aim is to maximise the synergy between teaching and research, to get people learning through research, working in teams, mixing new media with traditional learning.”

This University is a front-runner in the bid to host the new HEFCE National Centre for Excellence in Enquiry-based Learning. We



are also ahead of the game in developing inter-disciplinary programmes and learning. "We have already conducted some pilot studies, focusing on important societal and environmental issues, bringing together students from different disciplines to bring their own perspective to a particular topic and to learn how other students see it," he says. For example, a team of students from Medicine, Geography and Education looked at HIV Aids – "It was great to see how all the students contributed – and a superb experience for all."

A development in the curriculum leading on from this could be degrees in one particular discipline, but "with interdisciplinary studies". And on the multi-disciplinary front, bringing together the Health Sciences, just to take one example, provides the opportunity to develop improved inter-professional working. Thematic innovations in Master's programmes, such as, say, Water, become an exciting multi-disciplinary possibility.

The challenge of change involves questioning, fresh thinking, seeing how as a learning institution we can be more effective. That is why Pedagogic Centres are being developed in every Faculty to lend expertise and support to development..

To hear Michael Bradford talk about it all, is to share the excitement – and to fully appreciate his joined-up thinking, which links teaching, learning, research and organisation. And, when all the research and evaluation are done, it all feeds back directly to improve the curriculum - the place where the enquiry began.

He has also helped to bring WebCT Vista into the University – to support 'an academic enterprise system'. The software can be run from one central platform in Manchester Computing, but is flexible enough to be "branded" by each discipline, providing on-line learning, course unit information and also work as an admin tool.

In short, there is a whole range of exciting initiatives going on in the University. But there is also the demand to be involved in national and international initiatives concerned with developments in higher education at large.

It will not come as a surprise that Michael is a key player at this level, too. As a result of being invited last year to participate in the annual five-day retreat organised by the American Academy of Higher Education, held at Utah, to bring new thinking to HE, he is now involved in organising the new Change Academy in this country. Sponsored by new The Higher Education Academy and The Leadership Foundation, the Change Academy met for the first time recently near Edinburgh.

It is defined as "A cooperative learning venture aimed at helping HE institutions accomplish significant change."

Fifteen institutions, from Oxford to a small college in Ireland, were invited to take part in a four-day retreat. The 90 people participating included a team from this University, led by Bob Munn. The aim was to look at "complex change" and, in the jargon of the times, "to think outside the box". The three days covered Creativity, Developing a Deeper Understanding of Complex Change and, of course, Evaluation. "It was a great success," says Michael. "We all learned a lot, especially about the value of conversations to communicate the positive stories needed in order to achieve our goals, whether they concern enhancing the student experience or improving the effectiveness of the university as a 'learning institution'."

We live in exciting times – and Michael Bradford's brief is to be at the centre. Happily, he is not excitable, but he is enthusiastic. He enjoys a challenge. And he loves change.

CV

Name

Professor Michael Bradford

Position

Associate Vice-President for Teaching and Learning: Curriculum and Professional Development
The University of Manchester

Education

BA Hons Geography University of Cambridge 1967

University of Wisconsin, Madison 1967-8

PhD Cantab 1974

Career History: (VUM)

1971 Lecturer In Geography, University of Manchester

1987 Senior Lecturer

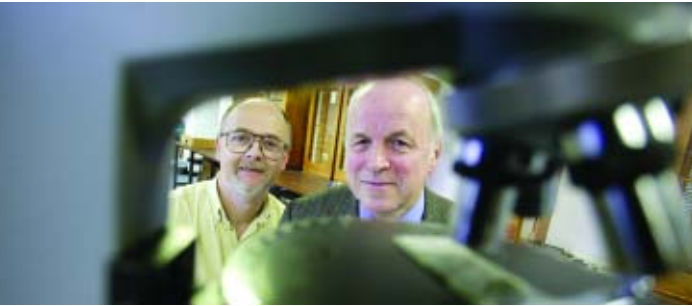
1997 Professor of Geography

1992-6 Undergraduate Dean of the Arts Faculty

1996-2000 Head of the School of Geography

2001-2004 Pro-Vice-Chancellor for Teaching and Learning

People



Minerals, Molecules and Maladies

Professor David Vaughan and (right) Dr Paul Wincott.

Groundbreaking research that could help clean up the world's toxic minewastes was one of the subjects discussed by a University of Manchester scientist at a recent Royal Institution Friday Evening Discourse.

Professor David Vaughan, Director of the Williamson Research Centre for Molecular Environmental Science, was invited to the Royal Institution in London to highlight the research carried out by academics at the Centre, particularly mineralogists and geochemists in the School of Earth, Atmospheric and Environmental Sciences.

The talk, entitled Minerals, Molecules and Maladies: the Role of Molecular Environmental Science in Sustaining the Earth, also emphasised the University's research into understanding the sources of arsenic contamination of Third-World

drinking water and the human health and climatic impact of airborne mineral dusts.

Professor Vaughan's Discourse, on 29 October, was accompanied by an exhibition of current research, coordinated by the Williamson Centre's Dr Paul Wincott.

The Friday Evening Discourses, formal black-tie events established in the 1820s by former Institution Director Michael Faraday, are held in the same theatre used for the televised Christmas Lectures.

www.ri.ac.uk



Bionow Award

Research that could eventually lead to a breakthrough in the treatment of HIV has scooped a University of Manchester scientist a prestigious industry award. Dr Curtis Dobson's work was voted 'Project of the Year' at the annual NorthWest Biotechnology Awards ceremony hosted by Bionow on 17 November.

His research concerns the interaction between human proteins and viruses and the development of novel anti-infective compounds that could lead to the next generation of HIV-beating drugs as well as possible treatments for other viruses, such as herpes and hepatitis.

"The compounds work by stopping the virus before it attaches itself to the cell and are a potential new form of treatment for HIV," said Dr Dobson.

"In the first nine months of the research we have developed compounds 10 times stronger than the original chemicals we tested on the virus and have already filed three patent applications. We are now looking to put together a two-year

programme of further tests which will be the final stage of the pre-clinical work."

Dr Dobson's research also found that the chemicals could also help prevent the spread of other sexually transmitted diseases.

The project's first active application, however, looks set to be in the coating of contact lenses to prevent infections of the eye, although the coating of medical equipment more generally is another possible use.

The University's intellectual property company, UMIP, is managing the project, which gained initial, early-stage funding from the Genetics Innovation Network (GIN).

www.bionow.co.uk

Preservation of University Heritage

Within the next couple of years the University will have a new archive facility and consistent records management systems across the institution to ensure that any important historical material is able to be catalogued and stored.



Early shot of John Owens Building

Until this facility is available, and with the large scale reorganisations and moves taking place, it is important that staff ensure that historical records and artefacts are not lost.

With this in mind, of staff the co-operation is requested to ensure that, in any moves that take place, staff take their files and equipment with them, if they can. Clearly, any obviously trivial material will need to be discarded but any material, in whatever form, that records or embodies important developments in research, teaching, administration, student life etc should be kept. This also applies to recent material if it is of potential historical interest.

Any offices or individual members of staff who cannot keep their material, paper or 3D records should contact the Records Management Office, who

have agreed to act as a referral point for this activity. If you have any records that you believe need to be retained by the University but do not have suitable storage space within your department please email foi@man.ac.uk. The Records Management Office will refer your enquiry to the nominated Library Special Collections / Archives / Museum / Gallery / Academic staff who have expertise in scientific equipment, research notes, pictures, photos etc to ensure that all material can be appraised for possible permanent preservation.

Although this is a busy time, staff are asked for their co-operation to help ensure that the history and heritage of the University is not overlooked and to raise consciousness and also establish effective liaison.

Sugden sports centre

Annual Staff membership from £17.91 a month*

Membership includes:

- Free induction
- Use of 100 station Fitness Suite
- Aerobics
- Step
- Yoga
- Salsa Dance
- Circuit Training



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Manchester • M1 7HL

* Money is paid monthly through payroll office. Total price for one year is £215.00

0161 306 4026

What's On

Jodrell Bank

The facilities at Jodrell Bank are going through a period of redevelopment. The Visitors Centre currently has a café, an exhibition space and a 3D theatre open, and visitors can still explore the various trails and the natural habitats of the Arboretum's 35 acres with its 2000 species of trees and shrubs and National Collections. In January 2004 Jodrell Bank completed a 180 degree observational pathway close to the base of the world famous Lovell radio telescope.

Jodrell Bank Science Centre & Arboretum
Macclesfield, Cheshire
01477 571339 www.jb.manchester.ac.uk



The Whitworth Art Gallery

DISPLAYS/COLLECTIONS

William Morris "Ministering to the Swinish Luxury of the Rich" to 23 December 2004

An exhibition by David Mabb. Mabb recycles familiar images from the Gallery's holdings of William Morris material to produce a new installation.

Ship Ahoy! to February 2005

This exhibition of watercolours, prints, wallpapers and textiles includes depictions of galleons, fishing smacks, trading vessels, warships and freshwater boats. The exhibition also features a Ship Ahoy! Reading area providing children's books with stories about ships, pirates and the deep blue sea.

Walter Sickert 'Drawing is the thing' to 5 December 2004

This extensive loan exhibition of Sickert's drawings offers an unrivalled insight into

his techniques, themes and, most importantly, his reasons for the drawing.

TOURS AND EVENTS

Every Saturday at 2pm there is either an Exhibition Tour or an Eyeopener Tour.

Ship Ahoy! Curator's Tour

Tue 30 Nov, 1.15pm, FREE

Pilkington Lecture by Rt Hon Sir Gerald Kaufman MP

Thurs 2 Dec, 6.30pm. £5 Book through Friends of the Whitworth: 0161 275 7496

Visions of Zimbabwe

An informal event to discuss the current social and political situation in Zimbabwe with Andrew Meldrum (Southern African correspondent for The Guardian and The Observer) and Bill Saidi (Editor, Daily News, Zimbabwe), Fri 3 Dec, 2pm

Contact Theatre

Made In Da Shade SCARFACED

Thu 2 Dec 2004 - Sat 4 Dec 2004, £9/£6

Contact

MANCHESTER!

Thu 9 Dec 2004 - Sat 11 Dec 2004, £6/£4

Sody Kahlon in association with Watermans and Arts Council England

SIKHS IN THE CITY

Sat 11 Dec 2004, £9/£6

Whitworth Art Gallery, Oxford Road, 0161 275 7450 www.whitworth@manchester.ac.uk

Opening hours Mon to Sat 10am - 5pm, Sun 2pm - 5pm FREE Admission

Gallery Café 0161 275 7497 The café sells a selection of drinks and light meals.

Gallery Shop 0161 275 7498 The bookshop stocks a range of art and design books, cards and gifts.

Collection Exhibitions Archive Now Online. The Whitworth's online 'Collections Catalogue' now allows you to browse and search selected exhibitions held at the Gallery over the past 10 years. Follow the link from homepage at: www.whitworth.manchester.ac.uk

Contact Theatre, Oxford Road, Manchester
Tickets/Info: 0161 274 0600

For information on other events please visit our website www.contact-theatre.org

A limited number of tickets are available from just £4 on the day from the Ticket Office between 11am - 4pm daily.

Gig Guide Manchester Academy 1, 2 & 3

Mon 29 Nov
Alter Bridge

Tues 30 Nov
Lamb of God

Weds 1 Dec
Lee 'Scratch' Perry & His Reggae Band
Electric Six
Deicide

Thurs 2 Dec
Helmet
Dillinger Escape Plan

Fri 3 Dec
System 7

Sat 4 Dec
The Damned

Sat 4 Dec
Ezio

Sun 5 Dec
The Rutles

Tues 7 Dec
Vagrant Records Tour
Weds 8 Dec
Alexisonfire & The Bled

Thurs 9 Dec
Kasabian
The Wildhearts
Capdown

Fri 10 Dec
Fear Factory
Limehouse Lizzy
Hexstatic AV

Sat 11 Dec
Bjorn Again
The Tubes
Buzzcocks

Sun 12 Dec
Jackie Leven
Mon 13 Dec
Bloc Party

Tues 14 Dec
Gene
Atreyu

Thurs 16 Dec
New Model Army
Sat 18 Dec
Interpol

Sun 19 Dec
Unsigned Night

Mon 20 Dec
Hawkwind Christmas Spectacular

Fri 14 Jan
The Used

Sat 15 Jan
MXPX

Fri 21 Jan
22-20's

Sat 22 Jan
Taking Back Sunday
The Clone Roses + DJ Clint Boon

Students' Union Oxford Road, Manchester, M13 9PL

Tickets from: Piccadilly Box Office @ easy Internet Cafe (c/c) 0871 2200260

Online @ www.manchesteracademy.net

Royal Court (Liverpool) 0151 709 4321 (c/c); Students' Union 0161 275 2930

International Society

THEATRE AND MUSIC

For details about the availability of tickets for various theatre and music performances, please visit our website.

TRIPS

Sat 4 Dec
Day visit to Lincoln Xmas Market

Sat 11 Dec
Day visit to Warwick Castle Frost Fair

EVENTS

Fri 3 Dec 7.30pm
Christmas World Quiz Night

International Society, 327 Oxford Road
(next to Krobar) 0161 275 4959
www.internationalsociety.org.uk
Open: Monday - Friday 9:30am - 5pm

Manchester Museum

Fridays (during term time), 11am - 12 pm

Magic Carpet

Storytelling and story making for the under fives.

Thursday 2 December, 6.30 - 7.30pm

Communicating Vessels: Surrealism and Contemporary Art

Five contemporary artists will discuss - with an art historian, curator or critic - how their work intersects with Surrealism both in terms of artistic practice and wider issues. £3 per person, please call Anna Davey on 0161 275 8788.

For more information visit www.surrealismcentre.ac.uk

Saturday 4 December, 1.00 - 4.00pm

Christmas Open House

Bring your family (and a donation of non-perishable food for the homeless) and join us for an afternoon of festive entertainment. Follow performances of music and drama and in collaboration with the Big Issue.

Sunday 5 December, 12.00 - 3.00pm

Christmas Greetings

Create your own personalised Christmas cards, taking inspiration from the Museum's collections. Drop-in activity, £1 per child

Wednesday 8 December, 12.30 - 1.30pm

Precious Metals

(Keith Sugden, Keeper of Numismatics and Phyllis Stoddart, The Manchester Museum) - Find out more about the coin hoards to be seen in the 'Buried Treasure' exhibition and the war medals of Edward Carter Preston, on view in the special exhibition 'Lest we forget'. Pre-booked event, FREE

Thursday 9 December

The Mediterranean in Manchester

The Making of a Gallery (Dr. John Prag) Gain an insight into behind the scenes research and a fresh outlook on the newly refurbished Museum. The series costs £22 per person. To book your place call 0161 275 3278/79

Thursday 9 December, 7.00 - 9.00pm

Singles Night

In collaboration with Love in the City, the Museum offers you the opportunity to visit after hours and maybe even meet your soul mate. Adult event, £6 per person, booking essential as numbers are limited.

Saturday 11 December, 1.30 - 2.30pm

Hidden Treasures

Join the Museum's Keeper of Archaeology at the 'Buried Treasures' exhibition handling table to view some of the treasures from the collection. Drop-in event, FREE

Saturday 11 December, 1.30 - 3.30pm

Arms and Armour

Join our own Karen Prescott and transform yourself into a Greek warrior with your own decorative model shield, sword or helmet.

Saturday 11 December, 1.00 - 4.00pm

Discovery Detectives

View 'Buried Treasure: Finding Our Past' and bring your own finds to be examined by Nick Herepath, Finds Liaison Officer for the Portable Antiquities Scheme (valuations not given). You can also learn more about the work done to conserve the Museum's treasures. Drop-in event, FREE

Saturday 11 & Sun 12 December, 2.30pm

The Grand Tour

Join Graeme Pye, our very own 'Victorian gentleman' guide on this special tour of the Museum. Meet at reception. FREE

Wednesday 15 December, 12.30 - 1.30pm

Eye of the Beholder

(Dr. Matthew Ponting, Liverpool University)

There is more to value than meets the eye. Discover how scientific analysis of ancient coins and metal artefacts provides insight into past societies and reveals a value beyond money. Pre-booked event, FREE



Thursday 16 December, 6.30 - 7.30pm
Communicating Vessels: Surrealism and Contemporary Art See 2 December

Saturday 18 December, 1.30 - 3.30pm

Tree Trimmings

Create Christmas tree decorations from all natural materials

Sunday 19 December, 12.00 - 3.00pm

Party Hats

Create a hat or head-dress to wear at your Christmas party. Drop-in activity, £1 per child

Monday 20 - Wednesday 22 December, 1.30 - 3.30pm

Deck the Halls

Make Christmas decorations to hang in your home in this art and craft session. Drop-in activity, £1 per child

Monday 27 - Wednesday 29 December, 1.30 - 3.30pm

Bring in the New Year

Get ready for 2005 by creating a unique personalised calendar. Drop-in activity, £1 per child

Manchester Museum Oxford Road, 0161 275 2630, www.museum.manchester.ac.uk

Open: Mon-Sat 10 - 5pm; Sun 11 - 4 pm. FREE Admission.

All drop-in events cost £1 per child, unless otherwise stated. For group bookings please call 0161 275 2648. Children must be accompanied by an adult.

Chaplaincies

St Peter's House Chaplaincy

CHRISTMAS CAROLS

Sunday 5 Dec, 11.15am

Christmas Carol Service - lunch provided

Wednesday 8 Dec, 6pm

Christmas Carol Service - organised by Christian Aid

Saturday 11 Dec, 6pm

International Christmas Carol Service

SUNDAY WORSHIP

10.00am Group Work

11.15am Morning Worship

6.30pm Evening Worship (Term-time only)

FOYER 10am-4pm. An area where students and staff can relax and meet friends.

A tea/coffee machine is available.

Chaplains also available Monday to Friday

Floor B, Room B25, Renold Building,

0161 200 2522

Precinct Centre 0161 275 2894

sph.reception@manchester.ac.uk

Avila House RC Chaplaincy

(next to the Holy Name Church)

Wednesday 15 Dec, 7pm

The Holy Name Church

Christmas Carol Service

Mass Times Mon - Fri 1.05 pm (term-time only)

Oxford Road 0161 275 6999/273 1456

Music at Manchester

SPECIAL CONCERTS & EVENTS

Fri 3 Dec, 7.30pm

The Cosmo Rodewald Concert Hall

The Kungsbacka Piano Trio

Bo Linde Trio

Mendelssohn Trio No.1 in D minor Op 49

Shostakovich Trio No.2 in E minor Op.67

Fri 10 Dec, 7.30pm

The Cosmo Rodewald Concert Hall

The Lindsays

Mozart Quartet in B flat K.458 'The Hunt'

Tippett Quartet No.2

Schubert Quintet in C D.956

CHORAL AND ORCHESTRAL CONCERTS

Sun 12 Dec, 7.30pm

The Whitworth Hall

The University of Manchester Chorus

The University of Manchester Symphony Orchestra

Stephen Williams Conductor

Mon 13 Dec, 7.30pm

The Cosmo Rodewald Concert Hall

Ad Solem

Marcus Farnsworth Conductor

A concert of Christmas music and poetry for the festive season.

The Manchester Whiteman Orchestra

Paul Cassidy Piano

'An Experiment in Modern Music'

Gershwin Rhapsody in Blue

Gershwin Arrangements of Piano Preludes

THE WALTER CARROLL LUNCHTIME CONCERTS AND RECITALS

1.10pm Cosmo Rodewald Concert Hall

Thurs 2 Dec

David Fanning Piano

H Procter-Gregg Westmorland Sketches,

Vols 1 and 4

Beethoven Bagatelles Op.126

Thurs 9 Dec

The Lindsays

Haydn Quartet in B flat Op.55 No.3

Shostakovich Quartet No.3 in F Op.73

School of Music and Drama

Bridgeford Street, 0161 275 8950/1

www.art.manchester.ac.uk/MUSIC

John Rylands Library

The John Rylands Library on Deansgate which is our Special Collections building, will be closed for a period of two years until mid 2006, for essential refurbishment and the construction of a new visitor and interpretative centre. However, access to all the Special Collections is still available through the main library on the Oxford Road end of the campus. A Special Collections Reading Room is open on Purple Floor 4, Monday to Friday 10am to 5.15pm and Saturday's 10am to 1pm. Readers may find it helpful to contact us in advance on 0161 275 3764. For further information visit our website.

John Rylands University Library, Oxford Road, Manchester, M13 9PP

0161 275 3751; www.manchester.ac.uk/library

Seminars

Tuesday 30 November

CHSTM: "Networks of Knowledge: Re-thinking Science and Medicine in Early Colonial India". Mark Harrison (Wellcome Unit, Oxford). 4pm. Room 3.29, 3rd floor, Maths Tower.

NPCRDC: "Hierarchies, markets and networks: discernible alternatives or empty distinctions?" Dr Bernard Dowling. 2pm, Seminar Room 2, 5th floor, Williamson Bldg.

CCSR: "How stable is your ethnic identity?" Ludi Simpson. 4pm, Crawford House, 2nd floor, entrance from Booth Street East.

Art History & Visual Studies - Baroque Evening: Dr Helen Hills 'Baroque fold Metaphor' and Andrew Crompton, 'The Baroque from Borromini to Ben van Berkel'. 5.15pm, Room 1.70, Architecture and Planning Bldg.

Wednesday 1 December

Tyndall Centre for Climate Change Research: "I'm not a social scientist, what the hell am I doing here?" Communities of practice as spaces for adaptation to climate change. Dr Mark Pelling. 4pm. Room H18, Pariser Bldg.

School of Chemistry: "Spin-State Changes in Chemical Reactions: Potential Energy Surfaces and Kinetics". Dr Jeremy Harvey (Bristol). 2pm. Room G.54 Chemistry Bldg.

School of Chemistry: "An Introduction to The Dystar Research Centre & Aspects of Colorant Chemistry". Dr Mike Hutchings (Manchester). 4pm, Room G.07/08. Chemistry Bldg.

School of Chemistry: "Polynuclear vanadium Clusters; design, syntheses and spectroscopic properties". Rebecca Laye (Manchester). 4pm, Room G.53 Chemistry Bldg.

Manchester Centre for Nonlinear Dynamics: "Laminar, transitional and turbulent pipe flow of a yield stress fluid". Dr Jorge Peixinho (Manchester). 4pm, Blackett Lecture Theatre, Schuster Laboratory.

Sociology Seminar: Barbara Marshall. 4.30pm, 4.9 Roscoe Bldg.

Transport Seminar: "The Train Operator's viewpoint". Paul Salvesson. 5.30pm, Cordingley Lecture Theatre, Architecture & Planning Bldg.

British Computer Society: "Do you need formal verification?" Michael Fisher (Liverpool). 6pm, Renold Bldg.

Thursday 2 December

School of Pharmacy & Pharmaceutical Sciences: "Use of intestinal epithelial cell culture models in drug delivery". Dr David Brayden (Dublin). 4pm, Lecture Theatre A, Pharmacy Coupland III Bldg.

Clinical Radiology: "Imaging and Management of Renal Trauma". Dr A G Cowie (Salford Royal Hospital). 5.15pm, Lecture Theatre 3, Stopford Bldg.

Music: "Side-by-side". The Lindsays play quintets with student performers from the Department of Music in an open masterclass. 2.15pm, The Cosmo Rodewald Concert Hall.

Tuesday 7 December

Italian Studies Research Seminar: "The Renaissance Reception of Boccaccio: Assessing the Evidence". Dr Rhiannon Daniels (Leeds). 4pm. W3.13 Humanities Bldg.

NPCRDC: "General practice in national and local contexts: Can we learn from history?" Professor John Pickstone. 2pm, Seminar Room 2, 5th Floor, Williamson Bldg.

School of Nursing, Midwifery & Social Work Research Forum: "Improvements in Breast Cancer Care in Victoria". Jane Jones (Cancer Services, Geelong, Victoria, Australia). 12.30pm, COPE Room, Coupland III.

CHSTM: Graeme Kirkpatrick (Manchester) 4pm. Room 3.29, 3rd Floor, Maths Tower.

CCSR: "Models for integrating information". Dean Judson (US Bureau of the Census). 4pm, Crawford House, 2nd floor, entrance from Booth Street East.

British Computer Society: "Dynamic Binary Translation". Martyn Spink. 6.15pm, Renold Bldg.

Wednesday 8 December

Manchester Medical Society - Christmas lecture for Young People: "You too can be a surgeon". Professor A O Mansfield. 2.15pm, Theatre 1, Medical School.

Sociology: "Porn-udocumentary". Karen Boyle. 4.30pm, 4.9, Roscoe Bldg.

School of Materials: "Marine Corrosion, Cathodic Protection and Hydrogen Embrittlement". Dr Mike Robinson (Cranfield University). 2.15pm, B19 The Mill: Joint with Manchester Metallurgical Society.

School of Chemistry: "Phototonic crystals: Why and how?" Professor Bob Denning (Oxford). 2pm, Room G.53. Chemistry Bldg.

School of Chemistry: "Adventures in Diversity Oriented Synthesis". Dr David Spring (Cambridge). 4pm, Room G.07/08. Chemistry Bldg.

Thursday 9 December

Centre for Jewish Studies: 'Secularisation of the "Holy Tongue" and the Development of "Medieval Hebrew Science": Different Twelfth-Century Approaches'. Dr Shlomo Sela (Bar-Ilan University). 4pm, Room A18, Humanities Lime Grove Bldg.

School of Pharmacy & Pharmaceutical Sciences: "Gossypol – from cooking oil to anti-cancer agent". Professor Paul Groundwater (Sunderland). 4pm, Lecture Theatre A, Pharmacy Coupland III Bldg.

Clinical Radiology: "Pitfalls in the Diagnosis of Non-Accidental Injury". Dr C M Hall (Great Ormond Street). 5.15pm, Lecture Theatre 3, Stopford Bldg.

Friday 10 December

School of Chemical Engineering and Analytical Science: "Green Industrial Applications of Ionic Liquids", Professor Kenneth R Seddon (The Queen's University of Belfast) 12pm, Room JC59, Jackson Mill

Tuesday 14 December

Manchester Medical Society - SURGERY - Guest Lecture and Annual Dinner: "Surgery in Wood, with hand tools" Mr R Ingham (Designer and Furniture Craftsman). 6.30pm Chancellors Conference Centre.

British Computer Society: Health Informatics (Northern): "Bio-Health: Linking biological, clinical and public health worlds to advance understanding and care". Dr I Buchan. 7pm, Weston Bldg.

Wednesday 15 December

Manchester Medical Society - PAEDIATRICS - Symposium in Memory of Dr R F Stevens: 1.55pm – lunch from 1.00pm. Giving for Living Centre, Royal Manchester Children's Hospital.

School of Chemistry: "To cyclise or not to cyclise, the kinetics and mechanisms of peroxy radical self-reactions". Dr Carl Percival (Manchester). 2pm, Room G.54 Chemistry Bldg.

School of Chemistry: "Dibenzylidene acetone complexes of palladium: the substituent effect in Suzuki-Miyaura cross-coupling". Dr Ian Fairlamb (York). 4pm, B104, Faraday Bldg.

Manchester Centre for Nonlinear Dynamics: "Controlling the flow of colour: Photonic systems in Nature". Dr Pete Vukusic (Exeter). 4pm, Blackett Lecture Theatre, Schuster Laboratory.

Wednesday 12 January

Manchester Medical Society – PATHOLOGY: "Liquid-based cytology: a personal view of the benefits, challenges, costs and implications for cervical screening in the UK". Dr A Herbert (Guy's & St Thomas' Hospital NHS Trust). 5.30pm, Theatre 2, Medical School.

Thursday 13 January

Manchester Medical Society - ANAESTHESIA: "Models of success? Tales of the unexpected". Professor J P H Fee (Professor of Anaesthetics & Head of Department, Queen's University, Belfast). 7pm, MANDEC.

Noticeboard

Tuesday 18 January

Manchester Medical Society - IMAGING:

"The case for ultrasound in screening". Dr S A Russell. "Screening for foetal abnormalities". Mr B P Heather "Screening for aortic aneurysms". 6pm, Buffet from 7.45pm – £5 in advance. Postgraduate Health Sciences Centre, MRI.

British Computer Society: Conservation Society "Manchester Communicates – The New Communications Gallery". Jenny Wetton and Robin Holgate. 5.30pm, Museum of Science and Industry, Liverpool Road, Manchester.

Wednesday 19 January

British Computer Society: "Grid Computing in the Enterprise". Ian Kennedy. 6.45pm, Renold Bldg.

Thursday 20 January

Manchester Medical Society - SURGERY:

"Training of surgeons in the future". Mr J Hill (Manchester) and Mr N A Scott (Salford). 8pm, Chancellors Conference Centre

Friday 3 December

Music: Max Day.

A series of events to celebrate the 70th birthday year of Sir Peter Maxwell Davies, a graduate of the Department of Music, and recently-appointed Master of the Queen's Music.
Admission Free

10am-12.30pm

Lectures and discussions on topics that have inspired Maxwell Davies' compositions

Plainsong and Max

Presented by Professor David Fallows

Magic Squares and Max

Presented by Dr. Bill Lionheart

Senior Lecturer in Mathematics

Ave Maris Stella

Richard McGregor on Max's Ave Maris Stella

1.10pm

Concert by Gemini Ensemble

Maxwell Davies

Ave Maris Stella



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Fax: 0161 274 3555 Web: www.deltatravel.co.uk

Blackwell's cordially invites all Manchester University staff to our Christmas discount day.

15% off everything for one day only!*

Festive refreshments and late opening.
Thursday 2nd December, 9am – 7pm.

A wide selection of Christmas gift ideas – books, CD's, DVD's, games, cards and much more...also, ask in-store about our gift wrap service.

*on production of a valid University staff id card

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Classifieds

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3 bedrm semi-det. Exc location, garage, front & back gdns. Central heating. Dble glazed. Lrge rm. Quick sale. £185, 950. 0161-256 4700 or 07944 656 295.

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Victoria Park. Spac f/f luxury 2 bed apart. Walking distance to Univ. Open plan liv rm, laminate flrs throughout. French windows onto grounds, parking, w/dryer, d/washer ch. £650pcm. 0161-256 1173.

Glossop, Victoria St. Spec 2 bed 1st flr flat. 1st let, new kit, new bathrm, neutral dec throughout, cream carpets. Galleried lnge, exc accommodation, must be viewed. 2 mins centre & train station direct to M/cr. Suit prof couple. Non-smoker prfd. £525pcm. 0161-480 8583.

Padfield Platt St Glossop. 3 bed stone terr property. Lrge attic conversion. New kit. Exposed beams, stone feature fireplace. Neutral dec. Furn. 10 mins walk station, 2 mins countryside Longdendale trail. Non-smoker prfd. £525pcm. 0161-480 8583.

Didsbury (just off Wilmslow Rd). Lrge upper dble bedrm in shared hse, avail Jan 05. F/F, dble glazed & broadband connection. Spac newly dec, tidy. Lrge kit & sit rm, 2 bathrms, nice f & b gdn & a guest rm. To share with 4 international profs & pg students. Would suit non-smoking prof or pg. Not suitable for couples, children & pets. £291pm exc bills. Email: carmen_dayrell@hotmail.com

Chorlton area. Rms avail in quiet hse close to bus routes for Univ. Suit visiting academic or pg. Non-smoker. 0161-860 6887.

Wilmslow. Attractive 2 bed mews property with private terrace. £675pm. 0161-980 7766.

Heaton Moor. Spac 2 bed f/f s/c 1st flr flat in quiet, safe residential area. Garage. Suit staff or pg. £525pcm inc water rates. 0161-431 4897 or email: voirrey@ntlworld.com

HOLIDAY ACCOMMODATION

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Corsa Merit N Reg. Blue, 57k miles. MOT & Tax until end of Jan 05. Very clean & tidy. Previous lady owners only. Radio/CD player. £875 ono. 01565 652

865 or email: ellis_margaret@hotmail.com

Toyota Corolla 1.3 M Reg. 1 owner, 1 yr road tax. MOT until Oct 05. New clutch, new battery, gd runner. £750. (27)55210 or 0161-773 5635 or email: tripti.halder@manchester.ac.uk

Peugeot 106 1.3i Rallye, white M Reg. Taxed until March 05, Mot until June 05. Alloy wheels, full magnex exhaust system, lowered. Minidisc, radio player, 10 disc changer. Sports interior, Toad alarm. £1,850 ono. 0161-303 8413.

MISC SALES

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21" Goodmans colour tv in black with Fastext, scart socket. Remote control & operating instructions. Exc cond. £50. (27)55881 or 0161-748 0848 or email: s.a.morgan@manchester.ac.uk

Grape coloured i-Mac (old style). 10GB hard disc, 400MHz PowerPCG3, 128MBRam. Original keyboard & mouse & OSX version 10.2.8. Runs like a dream. £150 ono. Heated footbath (Scholl Pedispa+). Unwanted gift, used twice only. £20 ono. Email: mqbsszsa@fs1.scg.man.ac.uk

Conservatory suite, from housing units. 2 seater settee with 2 chairs & matching glass coffee table. Only 3 yrs old, lovely design & cond. £270. 0161-442 9763 (evgs).

Washing machine Service 1100 white. 1 yr old, hardly used, complete with 3 yr extended warranty. £150. Cooker BEKO, electric, white, 1 yr old, hardly used. £100. Fridge/freezer, slimline white, 9 mnths old. £130. 0161-432 6275 or 07815 550 663.

Wardrobe clearout - gd cond women's clothes size 8/10. Shoes size 4. email: anna.lomas@manchester.ac.uk

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Just The Job

Christine Woods

While the rest of us are busy trying to strip stubborn wallpaper off our living room walls, Christine Woods, Curator of Wallpapers at The Whitworth Art Gallery, is doing just the opposite – collecting and preserving some of the rarest and unique examples in the world.



Christine has spent the last 17 years building up the Whitworth's collection, which is now the biggest in the UK outside London, and contains well over 5,000 examples of paper ranging from the finest William Morris prints to more contemporary themes like Wallace and Gromit and the Spice Girls.

"The collection is very varied, certainly more varied than the national collection at the V&A in London," Christine says.

"I try to collect examples from across the market, not just examples which have a famous name attached to them. I try to represent the place that wallpaper has in past history but also contemporary culture, which is why I am interested in collecting media spin-offs, and is why we have the Flintstones and Barbie in the collection."

Christine's main job is to care for the collection and to try and make it as accessible to other people (students, films companies and even people restoring stately homes) as possible. She also researches and publicises the collection both in the UK and abroad, and amazingly, still finds time to plan exhibitions at the gallery and edit the

Wallpaper History Review, a triennial publication, which she produces almost single-handedly.

"The most exciting aspect of the job is making new discoveries, and also making that accessible to other people who have never thought about it before. We all just ignore wallpaper, a bit like supermarket musak, but wallpaper has tremendous meaning in people's lives because it says something about you, as much as your clothes do," she says.

The sheer size of the collection is one of the biggest challenges Christine has had to face over the years. Until recently the entire collection was stored in wooden cupboards, with rolls and rolls of wallpaper stacked on top of each other. Over the past two years Christine and her colleague Nicola Walker (Conservator) have been looking at ways to improve things, and the results, which were shortlisted for the prestigious Pilgrim's Trust Conservation Award 2004, are amazing.

The 'Off The Wall' project has led to the creation of a space-age style storage unit on the top floor of the Gallery. Every roll

of wallpaper is stored individually, wrapped in protective polyester film, and each of the units rolls across the floor, with the turn of what looks like a submarine door handle.

"The new system is wonderful. You wouldn't have been able to get into the room before and if it had stayed as it was it would have been to the detriment of the collection," Christine says.

Looking to the future, Christine is working on ideas for a new wallpaper exhibition to be held at the Whitworth in November, but with so many options, and so many papers to choose from she's finding it difficult to decide.

"I am not sure what it will be, but I am quite interested in looking at the phenomenon of big patterns on walls, which seems to be all the rage at the moment," she says.

And what does a Curator of Wallpaper have on her walls at home? "I have not got any wallpaper at home, I can't cope with it. It would be impossible for me to choose - what I would have? I am surrounded by the stuff all day."

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News Contact

News and story ideas

Lisa McCarthy

telephone 0161 275 2112
email uninews@manchester.ac.uk
deadline 14 January

Events Contact

Events and listings information

Philippa Adshead

telephone 0161 275 2922
email unievents@manchester.ac.uk
deadline 14 January

Adverts Contact

Ads and distribution queries

Lorraine Harrop, Susan Howard

telephone 0161 275 2113
email uniads@manchester.ac.uk
deadline 14 January