**X-RAYS SHED LIGHT ON BLACK HOLES**

Observations of binary stars using the Hubble Space Telescope may help our understanding of black holes, according to Dr Carole Haswell of the Astronomy Centre (CPES).

Carole and Rob Hynes have been studying objects in which an ordinary star orbits a much denser collapsed star, thought to be a black hole. A black hole is formed when a star runs out of fuel and collapses to such huge density that even light cannot escape its gravitational pull. The black hole is surrounded by a sphere called the 'event horizon'; inside this theoretical sphere, the velocity required to escape is greater than the speed of light, making it impossible for astronomers to directly study a black hole.

When the black hole has a close companion star, however, it is possible to observe what happens close to the event horizon. Carole and Rob use the Hubble Space Telescope to measure the optical and ultraviolet light and the Rossi satellite to measure the energetic radiation from the star by the black hole.

Matter torn off from the star forms a swirling disk in which gravitational energy is turned into heat and produce X-rays. The X-ray source is known as Cygnus X-1.

Re-cycling: Paul Newman (left) and Terry Cooper from the Sportcentre with an obsolete exer-cycle.

**FACE-LIFT FOR FITNESS ROOM**

Sixty thousand pounds for a face-lift? That's the price the University is paying to update the fitness room in the Sportcentre.

The money is being invested to completely update the aerobic and resistance equipment in the gym with new Forza technology. This includes three new treadmills, four new exercycles and two rowing machines in the aerobic corner, and ten pieces of resistance equipment and a new Smith machine – for squats and bench presses – for weights enthusiasts.

Some of the money will also be used on two new sets of dumbbells, including a set of ‘beauty bells’ which are specifically designed for females, being graded in smaller increments of weight. Three more abdominal training frames will also be available.

The fitness room will be closed on 23 March for refurbishment and will reopen on 30 March with the new equipment. This investment will mean a slight price increase of £1.25 per session (or £2.50 for a three-month card) although customers will no longer pay extra for use of the treadmills. Some additional ‘VR2’ equipment – free weights and fixed resistance machines – will also be purchased for the Sports Pavilion later this year.

Karen Dunster, head of sports programmes, says “students and staff will be able to improve their fitness levels with the safest, biomechanically efficient and user-friendly equipment available. We hope this face-lift will encourage all those who are reading this to make the leap and pay us a visit.”
Coping with Vegetable Stress

“Plants get stressed too”, said Dr Carlton Wood, rushing past, consulting his watch and disappearing into the depths of BIOLS. Overheating, says Carlton, who is in Prof Tony Moore’s group in the Plant Stress Unit, is a particular problem, which can cause damage to cells and to proteins in particular. We all know what happens when an egg is boiled. This is an extreme case in which the proteins are denatured by the heat but even a slight change in temperature can do damage which prevents proteins from doing their jobs properly. Plants, like animals, prevent or reduce this damage by producing special heat shock proteins (HSPs), which help to protect other, more susceptible, proteins. Carlton is working with pea and tobacco plants to identify the various types of HSPs: the aim is to produce plants which can express more than the normal level of these protective proteins. Such plants would be better able to flourish at higher temperatures: a particularly useful attribute in our greenhouse world.

Rising temperatures and water shortage tend to go together and water is particularly important to plants. Dr Peter Scott, also in the Plant Stress Unit, is investigating the genetic and biochemical mechanisms which enable certain plants to cope with serious water deprivation. The problem is that photosynthesis, the conversion of carbon dioxide and water into sugars, requires sunlight and usually involves a heavy water loss as gases are exchanged with the outside. The plants in question, which include succulents such as cacti, have an adaptation (crassulacean acid metabolism, CAM) which enables them to use carbon dioxide gained during the night to synthesise a storage material, malic acid. During the daytime, the malic acid breaks down and, in effect, releases CO₂ for photosynthesis with a minimum need for gas exchange and water loss. The aim of this work is to discover ways of transferring this mechanism, for example by genetic engineering, from cacti to plants of greater economic importance.

X-rays shed light on Black Holes

continued from page 1

X-rays emitted from these binary stars. In the objects they study, material from the ordinary star is ‘cannibalised’ by the black hole; gas from the star spirals towards the black hole, and forms a disc around the hole before finally plunging through the event horizon. The X-rays are emitted from this material when it is very close to the black hole, when it has the most energy and velocity. This basic idea is well established, but what is mysterious is the fact that the disc around the black hole acts like a reservoir, accumulating material for decades, before releasing it into the event horizon with a burst of extremely luminous X-rays.

“As an observational astronomer, my work is like that of a detective; interpreting the clues light reveals about events near black holes to try and figure out their properties,” says Carole. “Although we haven’t yet solved this mystery, we have ruled out some suggested explanations, and know a lot more about the strange things which occur close to black holes.”
Prinny writes...

Friends trapped within the Sussex House bunker tell me that they can ‘barely stay awake’ with excitement over the appointment of a new Vice-Chancellor. An advertisement, headed ‘Smart Boy Wanted’, has been placed in the window of the Post Office in the Refectory, and informs us that the actual work for finding Professor Charming has been given to a temping agency. Even more extraordinary – it seems the agency is looking for suggestions, cutting down the effort required in order to nab that fee, which can be sent to them by popping a name on a piece of paper, putting it in a bottle and lobbing it off the end of the Palace Pier. The University has the opportunity to appoint someone who would lead from the front, armed with clear ideas, prepared to face up to the future. I fear that what we’ll get is a safe pair of hands from an obscure source with ‘a problem with the vision thing’.

Intriguing omission of the month? The absence of Sussex from the list of Vice-Chancellors and their salaries. Some in my Household believe this was tactical – revealing a salary level might limit the number of ‘top notch’ applications. My suspicion is this: the compilers contacted the Finance Office which ‘was looking at this as a priority’, which developed into “having a problem with locating that precise file” and then ended up as “can you just remind me what it was you wanted?”

I have advance results from the survey conducted on 1000 students on the student experience at Sussex. Seventeen per cent of students, on being asked what their general feelings about being at University were, replied, “I’m at University? Cool!” Genuine pleasure was generated when we discovered that the University is the location of the last breeding colony of Socialist Workers in Southern England. In response to the question, “Why did you choose Sussex?”, twenty-one percent said “Because York wouldn’t have me.” The interim conclusions are that our undergraduates are just like other undergraduates elsewhere.

Can I just say a few words about change? All around are the clamours FOR change – groups looking into credit, part-time degrees, the facilitation of internal and external transfer, lifelong learning, developing links with partner institutions (quick, wash hands now!), Dearing, Graduate Standards, QAA – our cars ring and buzz with it all. I say we must resist it all. Universities are not about ‘change’ – they are temples of knowledge tended by middle-aged men in corduroy trousers who understand the laws of the universe. Universities aren’t part of society, reflecting the needs of the population – the sun-splashed ivory towers stand today as they always will. Wilson is devaluing the pound, Bobby Moore is the best defensive player in England and the Kinks are an interesting beat combo – if we all close our eyes, it will always be 1967!

Our man in Brussels

The University now has official representation in Brussels, as part of an association with eight other regional organisations. The East Sussex European Partnership formed by the Universities of Sussex and Brighton, East Sussex County Council, Brighton and Hove Unitary Authority and five district councils (Eastbourne, Lewes, Hastings, Rother and Wealden) has opened the office in Brussels to serve partner members individually and collectively.

The Brussels Liaison Officer will provide early warning of relevant policy developments at an EU level and liaise with EU institutions to smooth the bidding process for EU funding. Clem Smith, our former European Liaison Officer has been seconded to this post on behalf of the partnership. In a tour of partner institutions and organisations in the early autumn, Clem gathered information on the priorities of each member which he used to draw up a business plan which represents the interests of the consortium as a whole.

Chief areas of activity identified on behalf of the University are:

- providing advance notice of calls and bids and draft documentation in advance of official publication dates
- feedback on any unsuccessful bids
- identifying contacts/potential partners working in similar areas
- lobbying relevant officials
- acting as a contact point for staff visiting Brussels, and facilitating meetings at the required level
- gaining access to restricted tender lists
- advice on how to get on committees in Brussels
- information on EU policy issues
- in-house seminars on specific topics

Our representation in Brussels follows on from Sussex’s impressive success in recent years with the Framework IV programme. Within the last year alone Sussex has been awarded £1.8m worth of EU research funding. But with Framework IV gradually winding down this year, the focus now is very much on its successor, Framework V, which will be launched at the end of the year (1998-2002).

Clem maintains regular contact with colleagues at Sussex and would be willing to take up funding related issues of concern to Sussex staff in liaison with officials in Brussels. Enquiries should be made via the Research Grants and Contracts Office (Ross Dowsett, ext 8238).

Bea(con)scious of local charity

The Sussex Beacon, a charity care centre for people with HIV and AIDS-related illness, is to launch a programme of fundraising events beginning with the Brighton and Hove half marathon on February 22. The Corn Exchange is hosting the giant flea market on March 29, and the University will be holding its inaugural annual jumble sale in the Meeting House on March 2 from 11 am to 5 pm. Students can claim their Sussex Beacon discount card (on production of a valid NUS card) to get 20% off items in the Beacon shop in St James’ Street. Last Wednesday the Beacon invited USSU representatives including members of Rag and LGB Societies and Student Development to see the centre firsthand and gain valuable advice about careers in fundraising. For more details about volunteer work or upcoming Beacon events, contact Alex Pollard, Community Fundraising Manager, on 694222, or Kirsty Offord, University Assistant Lay Chaplain on ext 3876.
Understanding cultural differences

A seminar led by a Sussex research fellow has helped prevent future study abroad students from being "educational tourists." The seminar, organised by John Harper (SEI/SOC), was held at the University of Valladolid in Spain to improve the cultural experience of visiting and exchange students spending a year abroad at Spanish universities. John specialises in the study of cultural differences, and how different values, attitudes and beliefs seriously affect the behaviour of students when studying outside their familiar home culture. By devising an awareness of the 'taken for granted' mindsets of your own and others' cultures, misunderstandings can be avoided.

The aim of John's workshop was to promote awareness of these differences, so that visiting students could both learn about Spanish culture and reflect on their behavioural and emotional responses to their new experiences. "A key skill for intercultural competence is the ability to be mindful, reflect and resist closure," he says. Cultural misunderstandings can be verbal, as in words or silences, or by non-verbal communication such as body language. In Spanish culture, for example, people talking together tend to be physically closer and express themselves more openly and directly. This contrasts with the more distant, indirect approach common to Anglo-Saxon culture.

John also liaises between multinational companies and organisations, where a poor cultural literacy can be both economically and politically costly. Recently he spent two days with members of the British Standards Institute, who negotiate European standards and award the 'kitemark' to products and services which achieve the industrial standard. He says that many communication breakdowns in international committees start with a simple misunderstanding that, if unresolved, can lead to exaggeration of cultural differences, reinforcement of stereotypes, and, often, a failure to reach a business agreement which is satisfactory to all.

The demand for John's work from international organisations, such as Fiat and the Alu-Suisse Group, has grown with the rapid increase in trans-national mergers and joint ventures which bring together personnel from different cultural backgrounds without preparation for the human consequences.

Hi-tech visit

The Minister for Lifelong Learning, Kim Howells, visited Sussex last week. He is pictured here, with the Vice-Chancellor, outside the Innovation Centre which was the focus of his visit to the campus. Dr Howells learned how the project has played a key role in economic regeneration in the region and met some of the tenants who, between them, have already created over 50 new jobs in high technology and other advanced fields.

Gender and Democracy in Bosnia Herzegovina

Ten courageous women activists from all parts of Bosnia Herzegovina will be speaking at a Round Table discussion next week. Speakers include Senka Nozica, Minister for Human Rights in the Shadow Government and Vice-President of the Sarajevo Republican Party. All welcome on Friday 20 February from 2 to 4 pm in the Sussex European Institute, room A71.

Photo Exhibition

Nzibantu - Bearer of the Nation

This exhibition of photographs, by Eithne Nightingale, can be viewed on the Concourse in EDB. Eithne works in adult education in Hackney and is involved in the development of community colleges in South Africa where she took the photographs. The exhibition runs until 20 February; prints are for sale and everyone is most welcome to view.

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The final stage in extending and updating the Library begins formally on 23 February and will continue, with a break for the main examination period, until 11 September. During the rest of this term, and in the Easter vacation, work will be taking place chiefly on the old top floor, and in the southern half of the old first floor – i.e. in areas which have been largely empty since the start of session. Very little stock remains to be relocated from these areas, and PCs and catalogue terminals there will also have gone before the contractors arrive.

The work on the top floor will create, among other things, wholly new accommodation for the Library’s Special Collections (including manuscripts, the Mass-Observation Archive, rare books, and early University papers, both official and personal); Lottery money has been awarded to provide both temperature and humidity control for this stock, and a variety of equipment to improve access to it by users with special needs. The German Jewish Studies Centre will also be accommodated here.

On the first floor some of the most interesting developments will provide for increased access to electronic information, improved facilities for viewing and hearing tapes, and extended space for IT training. These will mostly come into use later in the year.

Details of changes from June onwards will appear in the Bulletin next term. More detailed information may be consulted in the News section of the Library’s Web pages: http://www.sussex.ac.uk/library/news/sh_index.html

**At the Gardner Centre**

**Film**

- Monday 16 February
  - 7.30 pm  *Monty Python’s Life of Brian* (15)
  - Thursday 19 February
  - 8.30 pm  *Brassed Off* (15)
  - 11.30 pm  *Scream* (18)

**Dance**

- Saturday 21 February at 7.45 pm
- Nigel Charnock & Co present HEROINE, a new dance work celebrating the life and music of the legendary jazz singer Billie Holiday.

**FREEBIES** for the dance performance of HEROINE to the first 10 people to present themselves at the box office with this Bulletin

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**BIG BIRTHDAY**

The Baguette Express celebrated its first birthday with a week of promotions and a large cake. Alex Holness-Toft (pictured right) was also celebrating his first birthday and he helped Baguette staff blow out the candle.

The Baguette Express has exceeded financial targets over the last twelve months and has become increasingly popular with both students and staff with its turkey salad and BLT baguettes hot favourites.

The Baguette Express specialises in both hot and cold batons, plus individual pizza slices, pasties, Danish pastries and beverages. The staff wish to thank all their customers, who can expect more promotions later in the year. If you haven’t sampled the Baguette Express yet, you can find it on the ground floor of the Refectory, ‘sandwiched’ in-between the newsagent and post office.
ALL IN A DAY'S WORK

Continuing our series on job descriptions, Bulletin interviewed J J Maurage, an elusive character whose role at the University is shrouded in mystery. We found out what goes on behind the doors of the Media Services Unit...

"It might be a bit of a cliche (in fact it definitely is) but I honestly have no such thing as a typical day's work. Yes, I know everyone says that, everybody seems to have the most exciting, varied, fascinating job in the world when they have to describe it to Bulletin.

My time is split between the media services non-linear (computer) editing suite, the music subject group’s recording studio, the TV studio, and I can also be found running across campus whenever anything remotely audio related goes wrong, as they are, indeed, wont to do. Technology is a wonderful thing, it just breaks down sometimes.

I actually work for (deep breath) Media Services, the media subject group, the music subject group, CCE and most recently CULCOM. What I do for each of these areas, and when I do it varies enormously (honestly!), and regularly keeps me on campus from 9 till 9 during the week. For the last six months my most pressing task has been editing the University's forthcoming video, Research At Sussex, which myself and Lee Gooding (Media Studies) worked on together. Producing a video focusing only on research is a first for the University, and reflects the increasing need to effectively promote ourselves within the academic, industrial and commercial marketplace.

Academia is, for better or worse, a commercial business; Lee and I felt very strongly that the video should not look like your run of the mill educational video, with the usual kipper ties, large sideburns and 70s shirts (even if they are making a comeback). Instead we've produced a video which strongly reflects current media practice, and which hopefully goes some way to proving that those who can, can choose to teach.

Alongside internal video production work for various University departments, Media Services also helps finance itself by producing videos for commercial clients outside the University. In the past year I've recorded and edited (with the help of some Korean students studying at Sussex) a voice-over for a British promotional video overdubbed in Korean, acted as sound recordist for a promotional video for the multi-national 3M, and edited several local companies' corporate videos.

J J Maurage: doesn't wear kipper ties

This sort of practice feeds into much of my teaching. I teach a third year music course in 'studio work', which is essentially electronic composition, an elementary 'electronic studio skills' course for first years, and also a third year option in 'music and media'. These courses rely heavily on both a multi-disciplinary background and sound practical as well as theoretical knowledge. I'm very lucky to be simultaneously working on both a practical and theoretical level; I've no doubt that the theoretical side actually improves my practice, while the practice helps to cement my theoretical understanding.

The only unfortunate consequences of my teaching are that my seminars tend to take place in studios which, in order to remain soundproof, have no windows and thus no natural light. This can get a little bit depressing after a while. Oh, and it would be nice to get home before 8 o'clock one day!

Sussex: one of the UK's leading research universities

"Research at Sussex promotes the University’s status as a major research institution,” says Registrar & Secretary Barry Gooch, “and it shows why the work of our faculty is of national and international standing.”

Sixteen academics on the new Sussex video talk about their research – blue-skies and applied, theoretical and experimental – and the benefits of conducting it at Sussex, Narrated by BBC radio presenter and Sussex alumnus Robin Lustig, the video highlights collaborative links internally and demonstrates Sussex connections with high-profile companies in industry and commerce.

Research at Sussex will be distributed and shown both internally and worldwide. Copies will be available from the Information Office.

SOCRATES-ERASMUS Grants for Study Abroad

There are opportunities for any student (undergraduate or postgraduate) to replace a part of a Sussex degree with an equivalent period of study spent elsewhere in Europe. For full details of partner institutions and how to apply, contact the International & Study Abroad Office in Arts B164 http://www.sussex.ac.uk/Units/EPO/. The deadline for applications is week 10 of this term, Friday 13 March (for going abroad in Autumn 98).
Nottingham-bound

Dear friends and colleagues,

Thank you all so much for last week's surprises and your good wishes! I never expected such a farewell party and I'm very grateful to you all. The presents were wonderful, in particular the beautiful watercolour of Worthing which will help remind me of my happy times in Sussex.

I want to reiterate what I said at the party in that I've been lucky and privileged to work with you all. It's been hard work and not always easy but I can say that I am proud to have been associated with Sussex and the SEI and EURO in particular.

My sincere best wishes to you all
Vincenzo Raino

Change of number

Health Service
General enquiries (internal) 8191
Appointments/24 hours 01273 249041
Fax 01273 249040
Email: health@unimed.co.uk and web site: http://www.sussex.ac.uk/Units/health

Residences
The phones in the residences which are four digit numbers cannot be reached through the University switchboard nor dialled internally except from residence to residence. They can, however, be reached externally by adding the prefix 24.

RESEARCH OPPORTUNITIES

This is a selection of Research Opportunities. More details of these and other opportunities are available from Mylene Powell in the Research Grants and Contracts Office, ext 3812 or email: M.Powell@sussex.ac.uk. For an extensive listing of funding opportunities see REFUND linked to the Research web site: http://www.sussex.ac.uk/Units/research or USIS Home Page, select ‘Teaching & Research’, ‘Research Funding at Sussex’.

BNSC EARTH OBSERVATION LINK PROGRAMME: to support innovative pre-competitive Earth Observation applications research on a collaborative basis (industry and academia) targeted on end-user needs emerging from the Technology Fore-Sight Programme. Deadline for receipt of outline bids: 20 February 1998.

ESRC ONE EUROPE OR SEVERAL PROGRAMME: note: the deadline for bids is 27 February 1997 (not 20 February). The Programme Director is Helen Wallace, SEI.


NERC COMPUTATION TIME ON A NEW HIGH PERFORMANCE COMPUTING FACILITY: at the Rutherford Appleton Laboratory. Requests invited for computation time. New bids for resources on national Centre high performance computers, can be submitted through the usual NERC grants mechanism.

EPSRC AERODYNAMICS: call for proposals. Multidisciplinary fundamental or novel research will be prioritised, especially if examining future needs of the industry. Deadline: 13 March.

SAISON Management FELLOWSHIPS IN THE LIFE SCIENCES: The Royal Academy of Engineering is looking to support ambitious UK scientists, aged 26 to 38 years and working in the animal, plant or life sciences, biosciences or biotechnology field. No deadline given.

UMIST Graduate Research Scholarships: 2,000 per year, tenable for three years; may be held in conjunction with any other award held by a student.

NEDO GRANTS FOR INTERNATIONAL JOINT RESEARCH: in the areas of materials, energy, efficient energy use and global environment. The aim is to contribute to the enhancement of the international level of industrial technology as well as to the advancement of international exchange by supporting international joint research teams which conduct superior research. Deadline: March 25 1998.

CANCER RESEARCH CAMPAIGN SENIOR CLINICAL RESEARCH FELLOWSHIP: to support clinicians and to provide them with an opportunity to combine laboratory research with clinical practice in clinical oncology (or speciality related to oncology). Deadline: 27 March 1997.

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Working with the University of Sussex we were the Main Contractor for the Refurbishment of the Gardaer Arts Centre.

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BRIGHTON BN41 1ED
Telephone: 01273 439494
Monday 16 February
12.30 pm Sussex Continuing Education Research Forum: Louise White, Pich matching and unresonated harmonics. Room D310
2.00 pm Falmer Language Group Lecture: Richard Coates, English place-names before the earliest records. Room A155
2.00 pm Centre in Global Political Economy Seminar: Julian Sauerin, Global food trade, hunger and food security. Room A71
3.00 pm Centre for Mathematical Analysis and its Applications Seminar: D Fortunato, (Bari University) Topological solutions for Lorentz-invariant equations in three space dimensions. Room Pevensey 2A
4.00 pm CULCOM Lecture: Phil Crang (UCI), Is showtime: drama at work in industrial spaces. CCS Common Room
4.30 pm Neuroscience Seminar: Ruth McKeman (Menzel Sharp and Dohme) GABA receptor subtypes: where are they and what do they do? Biology Lecture Room (EP 3.9)
5.00 pm Sociology and Social Psychology Seminar: Mark Bihnt (Brighton University) and Andy Church (Birkbeck College) Gardens and leisure in the age of risk. Room D310
5.00 pm Women’s Studies Research in Progress Seminar: Judith Cook (independent journalist) ‘An unavailable job for women?’. A report on her investigative journalism on the murder of Hilda Murrell. Room D510

Tuesday 17 February
12.30 pm Sussex Life History Research Seminar: Arthur Thickett and Lorraine Sitzia (QueenSpark Books) A shared authority? The views of interviewer and interviewee. Room A71
2.15 pm Sussex European Institute Research in Progress Seminar: Richard Black, The end of ‘temporary protection’ and conditions for return to Bosnia: which way forward? Room A71
4.15 pm Biochemistry, Genetics and Development Seminar: John Sinclair (University of Cambridge) Regulation of cell cycle and cellular transcription by cryptogamovirus. Biology Lecture Theatre
5.00 pm Social and Political Thought Seminar: William Ouvrable, Knowing social reality. Room D730
5.00 pm American Studies Seminar: Simon Baatz, Creationism in America: the Scopes trial. Room D722
5.00 pm Social Anthropology Seminar: Martin Mills, Diamond brother, diamond sister: notes on witchcraft kinship in Tibetan Buddhism. Room D722
5.00 pm New Metaphysical Art Seminar: Roger Poole, The loss of the transcendent. Room EDB 302
5.00 pm International Relations and Politics Research in Progress Seminar: Alan Cawsom, The political economy of convergence in digital media. Room D640
5.15 pm German Research Colloquium: Trude Levi (University of London) Responses to a Holocaust survivor’s eye-witness account. Room A155

Wednesday 18 February
11.30 am Plant Science Seminar: Liam Dolan (John Innes Centre) Developmental genetics of the Arabidopsis root epidermis: from transcription factors to cell surface receptors. Room Pevensey 2A
1.00 pm IDS Environment Group Seminar: Tim Forsyth (Royal Institute for International Affairs) Environmental policy and risk under rapid industrialisation: examples from Thailand and Vietnam. Room IDS 221

Thursday 19 February
11.30 am Economics Seminar: Ulrike Hotop, Employment effects of trade in the UK. Room D310
12.30 pm Postgraduate History and Gender Seminar: Theresa Deane, Botany, blackboards and babies: the philanthropy of Elizabeth Tivnan 1805-1888. Room D520
4.00 pm Geography Research Seminar: John Levering (Cardiff University) Globalisation and the reconstruction of the arms industry: with its spatial implications. Room D610
4.00 pm Experimental Psychology Colloquium: Val Curran (UCL) Ecstasy (MDMA): when you are up, and when down, you are down? Biology Lecture Room (EP 3.9)
5.00 pm Sussex Development Lecture: Richard Black, Greening asylum: refugees and development. Room A1
5.00 pm History Work in Progress Seminar: Felicity Heal and Clive Holt (Oxford University) Honour and the law in early modern England. Room A155
5.00 pm Centre for Modern French Thought Seminar: Brian Cummings, Literally speaking. Room A71
5.00 pm Centre for Statistics and Stochastic Modelling Seminar: Charles Goldie, Existence of randomly discounted sums. Room Pevensey 2A

Friday 20 February
11.30 am Theology, Algebra and Geometry Seminar: R P Lewis, Hirschhorn’s identities. Room Pevensey 2A
2.00 pm SPRU Seminar: David Slater (Chairman, Task Force on Environmental Risk Assessment) Risk assessment. Room EDB 121
4.00 pm Astronomy Centre Seminar: Steve Phillips (Bristol University) Dwarf galaxies in clusters. Room Arundel 401
4.30 pm Philosophy Society Seminar: Murali Ramachandran, Descriptions and presuppositions. Room A155

Meeting House Events
- Luncheon recital at the Meeting House: 17 February, Lunchtime, Finissky and Charles Macdonald (piano), 1.20 pm in the chapel.
- University Chaplaincy Lecture: Christopher Budd (Bishop of Plymouth) Chair of the Catholic Agency of Social Concerns) Critical collaborator? The Church and social issues. Thursday 19 February at 6.30 pm, Quiet Room, Meeting House

Miscellaneous
- Welfare volunteers needed for 1998-99 academic year. Successful applicants will receive full training and knowledge of welfare rights. Contact Ian Carter, USSU Welfare Centre Manager on 873388. Closing date: 27 February
- Computer training courses available. Introduction to E-mail (ECS) on 17 February, 6 to 8.30 pm; Introduction to Spreadsheets (Excel 5) on 19 February, 6 to 8.30 pm. Please contact Computer Service Reception to book.
- Presentation skills workshop at CDU, Friday 27 February from 10 am to 4 pm, £10 (non-returnable fee). For more details contact CDU.
- Children’s courses at the Sportcentre: Multi-rackets on 15 to 17 April from 11 am to 4 pm, £27. A chance to receive qualified coaching in tennis, short tennis and squash plus supervised sessions of badminton, table tennis and baton. Contact Karen Dunster on 8228 or e-mail: sportservice@sussex.ac.uk for details.

Small Ads
ACCOMMODATION AVAILABLE: room in shared house, Queens Park area, spacious and well-equipped, close to seafront, easy access to town centre, preferred female, non-smoker, vegetarian, £200 p.c.m. excl. Contact 605051
ACCOMMODATION TO LET: house in Woodingdean, seaview, quiet area, three bedrooms (one in attic), all mod-cons, fully furnished, including library plus eco-friendly gardens back and front, off-road parking, bus stops opposite house. Available from 1 March when owner moves abroad, £550 per month, staff or PG only please. Contact Dr Clive Lloyd, 302348
REDHEADS WANTED: final year student seeks redheads and experts from Biology/Psychology with interesting points of view on ‘gingerness’ for video project. Contact 748885 or e-mail: fau00@central.sussex.ac.uk
FOR SALE: Viglen Dossier 480DX notebook, 8MB, 120MB hard drive, trackball, plug-in full size keyboard, Word, Excel, Access, Powerpoint, AutoSketch, £595. Contact 603010
ACCOMMODATION AVAILABLE: quiet house in Patcham available during the week from Monday to Friday. Mostly sole use, all mod-cons, sunny garden, suit non-smoking mature female, £275 p.m. Contact Sam on ext 8229 for more details.

Bulletin
The Bulletin appears every Friday of term, with copy deadline the preceding Friday lunchtime. We welcome any suggestions for news, events, letters and small ads. Please contact the Information Office, Sussex House on ext. 8209 or e-mail: Bulletin@sussex.ac.uk

Bulletin is now on the web: http://www.sussex.ac.uk/information_office/bulletin/