**On your bike — support Car Free Day**

FOUR good reasons why you should avoid using cars — one, increasing use of cars uses fuel resources and pollutes the air; two, new roads plough up the countryside and split communities (e.g. North and South Falmer villages); three, as roads get busier, green transport gets more difficult to use. Closer to home, car parking on campus has been a major source of stress for both staff and students.

Next Tuesday (June 16) is National Car Free Day, and the University is holding a series of fun events designed to encourage people to leave their cars at home and use an alternative, greener method of transport. The day will start with two organised cycle rides at 8.30am, leaving from Brighton (Saunders Park, Vogue Gyratory) and Lewes (half a mile beyond Lewes Prison on the Brighton Road) to converge on campus at 9am. Anyone using innovative transport will be offered a free simple breakfast at the Meeting House, and cyclists will have the option of a free service with the Bike Doctor, who will be at the Meeting House from 9am to 2pm.

There is a free raffle entry to all who arrive on campus without a car; the winners will be drawn by Norman Baker, MP at 11am. Prizes include a month’s Saver bus ticket, a set of bike lights, a fitness room voucher and other goodies. Car users will be invited to make a donation to the National Asthma Campaign.

Acting Vice-Chancellor, Professor Alasdair Smith, and Estates Manager Tony Middleton have supported the day by promising to arrive on campus by using green transport. If you want to help reduce pollution, stress, traffic congestion and health risks, and improve air quality and safety, why not leave your car at home?

For more information, contact your Environmental Representative or Penelope Chappel, Environmental Adviser on 8904.

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**Summer School to open in 1999**

INTERNATIONAL students will be taking advantage of facilities on campus next summer (1999), with the launch of a new International Summer School. The school will run in four and eight-week segments in arts, science, social science and advanced English language, between the end of June and mid-August, and will include cultural activities, social events, films and visits to places of interest.

The Summer School will make use of our excellent facilities at Sussex, earning revenue for schools of study and teaching units, promoting study abroad and providing valuable teaching experience for research students. “Much of the teaching will be done by faculty (including retired faculty and CCE tutors) and research and post-doctoral students,” said Professor Wilkinson. The summer school has been designed by Dr Penny Chaloner, Director-Designate and Professor Rupert Wilkinson, Arts Adviser, with the support of the International and Study Abroad Office.

**Sussex in September**

This September sees the launch of Sussex in September, an intensive three-week programme for American students. Over 20 students have signed up for the ‘early start’ which, when combined with the Autumn Term, equates to an American semester. The course will provide students with the opportunity to study English culture from a literary, historical, political or scientific perspective, as well as experiencing the unique atmosphere of Brighton and surrounding areas.
OPEN DAY

The University will welcome over 2,500 potential students, parents and teachers to this year’s Open Day on Tuesday 23 June. They will have an opportunity to talk to course tutors and current students and be encouraged to find out all they can about Sussex. Throughout the day there will be higher education and course talks, guided tours of the University and of Brighton and hopefully some sunshine to cheer everyone up.

For further information about the Open Day call Simon Rigby, Schools and Colleges Liaison Office, on 8417.

At the Gardener

EQUUS

17 and 18 June at 7.45 pm
SUDS (Sussex University Drama Society) present
EQUUS by Peter Schaffer
20 June at 7.45 pm

FABULOUS FATS – a tribute to Fats Waller. FREEBIES for this show to the first 10 people to claim them at the Box Office with a copy of this Bulletin.

News

TEACHING AWARDS 1998

William Locke of the Teaching & Learning Development Unit writes

The University of Sussex Alumni Society (UoSAS) has made awards of £500 each to three members of faculty in recognition for their excellent teaching. This is the second time the scheme has run, and the awards will be given at the Summer Graduation Ceremony on 28 July. The recipients of the awards are:

TONY BINNS (Geography in AFRAS) for the way in which he inspires students, his consistently high ratings in students’ evaluations, his continued commitment to curriculum development, and the variety of teaching methods he employs, especially the field trips.

DOROTHY SHERIDAN (Mass-Observation Archive, Library) for her interactive and creative style of teaching and her achievements with a wide range of students, especially in developing their sensitivity to using documentary material and their ability to learn independently.

NICOLA WOODS (Linguistics in COGS) for her enthusiasm, her ability to make a complex subject interesting to students from a wide range of disciplinary backgrounds and to stimulate independent learning, and her scholarly and considered approach to teaching and learning.

Profiles of the award winners will be included in next term’s issue of Learning Matters.

The Awards Panel was impressed by the enthusiasm, commitment and achievements of all the shortlisted nominees, who included Julian Broughton (CCE), Laura Chrisman (English in AFRAS), Neil Crickmore (Biochemistry in BIOLS), and Brigitte Diplock (German and Sussex Language Institute).

The annual scheme aims to promote excellence in teaching

Irrigating the sun-dried

Tomatoes, we learn, are incredibly good for us and one of our major sources is the Mediterranean region. Tomatoes are a major crop in that region but tomato growing is becoming increasingly difficult, as is vegetable growing in general, because of the linked problems of poor water supply, irrigation and soil salinity. Salt tolerant crops are only part of the solution as present methods of irrigation management are not sustainable and will lead to increased salinity and a steady loss of land capable of growing any crops at all.

A new approach is needed and Tony Yeo, of BIOLS, is now in the final stages of negotiating a half-million pound grant from the EU for a group, coordinated by Sussex, which includes the Institute of Hydrology in Britain, a plant breeding institute in Spain (which specialises in tomato breeding), the Ministry of Agriculture in Syria, and Menofiya University in Egypt. Their two-pronged strategy will be to develop an economically viable salt-tolerant tomato cultivar and to integrate its use with the development of sustainable methods of irrigation management which enable growers to make the best use of lower quantities of the available poor quality (saline) water.

Its implementation will be not a moment too soon if we are to continue to enjoy the life-enhancing properties of sun-dried tomatoes, pizzas, pastas, and ketchup.

Sussex University Philharmonia Concert
on Friday 19 June at 7.45 pm in the Gardener Arts Centre.
Works by Beethoven, Mozart, Barber and Copland
Magnetic programme pulls in viewers

WHAT happens when magnets are applied to the body? Are electricity pylons hazardous to health? What do scientists really know about our grey matter? These and other questions are discussed in three new television programmes produced by the Vega Science Trust (CPES).

‘Nuts and bolts of the mind’ with Professor Susan Greenfield, ‘MRI: a window into the human body’ with Professor Laurie Hall, and ‘Electricity, magnetism and the body’ with Professor Anthony Barker will be broadcast on BBC 2’s Learning Zone in June and July. The programmes are aimed at a target audience of those with a genuine interest in how science and technology affect our lives, with well-informed and accessible analyses on serious science-related issues.

Trust co-ordinator, Gill Watson, commented ‘We are very proud of getting three more Vega Science programmes out on television. All those interested should set their videos!’

‘Nuts and bolts of the mind’ will be screened on 30 June at 2 am; ‘MRI: a window into the human body’ on 30 June at 3 am, and ‘Electricity, magnetism and the body’ on 1 July at 2 am and 2 July at 3 am. For more details, contact Gill on ext 8726.

LANGUAGES FOR PLEASURE 5-day Summer Schools in German, Spanish, Italian, Japanese, Chinese, French, plus a French Drama Workshop. 29 June to 3 July and 6 July to 10 July. Cost £90. For further details or to book a place contact Open Course Assistant on (67) 8006.

Honours and awards

A Sussex lecturer has been appointed to the Chair of the Visual Arts Panel of the Arts Council. Dr DAVID MELLOR (EAM) is the new head of art forms ranging from exhibitions and paintings to digital art and architecture.

As well as working within the Arts Council on the committee for photography and publishing and lecturing at Sussex, David is also a curator and author, which makes him well qualified for the role. He now takes responsibility for arranging lottery grants and distributing funds to institutions, and will help evolve the Arts Council’s identity into an organisation which creates more popular events.

“This is not necessarily doing things which are populist, but extending access by organising arts events at festivals and public forums, and supporting upcoming galleries as well as the established ones,” he says. “These smaller venues need both encouragement and assistance in obtaining grants to bring them to the level of flagship galleries.”

Professor DAVID EDMUNDs of SMS has been awarded the B. Bolzano Honorary Medal for Merit in the Mathematical Sciences by the Academy of Sciences of the Czech Republic. The President of the Academy said Professor Edmunds’ outstanding scientific achievements are recognised worldwide, and the Academy is delighted to have the opportunity to express its appreciation of his long term co-operation with Czech scientists. David is “naturally very happy to receive the award especially since it comes from Prague” where he feels entirely at home. “His mathematical life” he says “would have been very much poorer without regular contact with the excellent group of mathematical analysts at the Czech Academy of Sciences.”

Facts of the matter

SYMMEtRY is the Holy Grail for physicists. A recent paper by a postgraduate in CPES may have shed light on a certain asymmetry - namely why there seems to be much more matter than anti-matter in the Universe today.

Physicists have long sought to explain this disproportionate quantity of matter, while conserving the concept that the Universe was originally endowed with equal amounts of matter and anti-matter. Paul Saffin and Ed Copeland’s paper, published in the journal Physical Review D, suggests that particles called sphalerons (from the Greek for ‘unstable’) may hold the key to this imbalance.

Sphalerons have been studied since the late 1970s, but they have suggested a new possibility – that sphalerons may experience electrically charged states, within which they have the ability to flip the state of a particle from positive to negative, i.e. matter to anti-matter, and vice versa. This mechanism is not allowed in standard classical physics, but is perfectly acceptable in quantum physics. These sphalerons exist in the extreme temperatures of the early Universe, a regime which can be probed through the current and future generation of particle accelerators based at CERN (Geneva) and Fermilab (Illinois). This exciting result allows for the possibility of new research at such accelerators into reactions between sphalerons and charged particles.

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 38712 or email: M.Powell@sussex.ac.uk.


THE WELLCOME TRUST SUPPORT FOR INFRASTRUCTURE FOR BIOMEDICAL RESEARCH: applications invited for funding for infrastructure requirements. The aim is to improve the infrastructure within academic departments by providing state of the art equipment and the appropriate physical environment to support the pursuit of excellent biomedical research. No deadline (applications considered 4 times a year).

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’.

BBfSC MASTERS COURSES: applications are invited from universities for support for 1-year courses leading to MSc and MRes degrees from 1 October 1998. Deadline: 31 August 1998.

WELLCOME COLLABORATIONS: grants for collaborative projects between research groups in the UK with any other country in the world. Proposals may be in any branch of the natural or clinical sciences; cancer research is not normally supported but an exception can be made.

WELLCOME TRAVELLING FELLOWSHIPS: nominations invited for its 1998 travel research scholarships. Candidates should be postdoctoral scientists and medical graduates who would like to further their research experience by working in leading British or Irish labs.

UK/HUNGARY: The British Council invites applications. The aim of the programme is to help develop collaboration between British and Hungarian institutions of higher education, research and culture. It is also to contribute to the development of the partner institutions, including teaching and staff development. Deadline: 30 September 1998.
Monday 15 June – Sunday 21 June

Lectures, Seminars, Colloquia

■ Monday 15 June
1.00 pm Experimental Psychology Seminar: Stuart Semple (Institute of Zoology) Sex and communication in the Barbary macaque. Biology Lecture Room (EP 3.9)
2.00 pm Particle Theory Group Seminar: Janne Peisa (Swansea University) Gauge-invariant cosmic strings on the lattice. Room Pevensy 2A1
4.30 pm Neuroscience Seminar: David Becker (UCL) Gap junctions in the retina. Biology Lecture Room (EP 3.9)
5.00 pm Sociology and Social Psychology Seminar: Paul Marsden, Evolutionary sociology reinterpreted. Room D310
6.00 pm Lapidus Seminar: Alison Tierney, Creativity in academic writing: the experience of writing a PhD thesis. Room D410

■ Tuesday 16 June
1.00 pm IDS Environment Group Seminar: Catherine Dolan, Tesco is king: gender dimensions of horticultural exporting. Room IDS 221
2.15 pm SEI Seminar: Emma Rothschild (Kings College, Cambridge) What is security? Room A71
6.15 pm Professorial Lecture: Graham Davey, Professor of Psychology, Anxiety as a state of mind: an evolutionary necessity or a matter of choice? Chichester Lecture Theatre

■ Wednesday 17 June
1.00 pm IDS (Poverty Research Programme) Seminar: Emma Rothschild (Kings College, Cambridge) Poverty and inequality in historical perspective. Room IDS 221
3.00 pm Sussex Centre for Optical and Atomic Physics Seminar: Chris Gerry (City University, New York) Many-atom entangled states and Schrödinger’s cats. Room Pevensy 2A2

■ Thursday 18 June
1.00 pm IDS (Participation Group) Seminar: Korrine de Koning (University of Liverpool) Participation of health workers in qualitative research: an experience from Bombay. Room IDS 221
5.00 pm Centre for Modern French Thought Seminar: Alison Stone, Hegel, logic and nature. Room A71

■ Friday 19 June
2.00 pm SPRU Seminar: Alice Lam (University of Kent) Knowledge sharing and organisation learning in international high-technology ventures. Room EDB 121

Lectures, Seminars, Colloquia

4.00 pm Astronomy Centre Seminar: Mike Hobson (Cambridge - MRAO) Planck-surveying the microwave background. Room Arundel 401
4.30 pm Philosophy Seminar: Ron Chrisley, It's all senseless: mental content and singular reference. Room A155

Miscellaneous

- Lunchtime recital at the Meeting House - Zoe Peate (soprano) and Gary Prior (piano) 16 June at 1.20 pm in the chapel
- An evening of choral music for mid-summer - June 17 at 7.30 pm at the Meeting House
- Computer training courses available - Accessing the Internet, 15 June from 6 to 8 pm, an introduction to using the World Wide Web for beginners; Introduction to Spreadsheets, 18 June from 6 to 8.30 pm, a beginners' course for Excel 5
- Mixed doubles tennis tournament at the Pavilion - 16 June at 5.30, £2 per pair, (max.12 pairs). For more details, or to book, contact the Sportcentre on ext 8228

Small Ads

FOR SALE: Intel Pentium 120 MHz notebook, 10.4" DSTD colour screen, 810MB HD, Win 95, 6x PCMCIA CD-ROM drive, PCMCIA 1/F, Office 97, excellent condition, bag, manuals, Canon BJ-30 printer, including three cartridges, £888. Contact Jeff on 246427 or e-mail: jeff@beloved.com

TOLET: light, airy room in friendly shared house in Kemp Town. House shared by four, with lounge, kitchen and bathroom, available from 1 June, £195 p.m. Contact Pasha on 705628, or 67155 or 608050

WANTED: one-bedroom flat for PG over the summer (July 10 to October 1, flexible) Contact 736783 or e-mail: alistwa@coqs.sussex.ac.uk

PAINTING & DECORATING: mature student with 12 years' experience, references available. Contact John on 698719

TO LET: nice room in quiet, beautiful house near Preston Circus, share with two other women tenants on six month lease. Would suit non-smoking woman of 30+, £250 p.m. plus bills. Contact 880792

HEALTH & RACQUET CLUB: group needs ten full-time members of staff to join group for half-price joining fee (corporate membership). Contact Stephanie on ext 8152

FOR SALE: baby equipment: playpen, carrycot/pushchair, steam sterilisers, portable highchairs, stairgates, etc. Contact 500128

Small Ads

ACCOMMODATION WANTED: University administrator on sabbatical and family seek three/four bedroom furnished house near University from August/September until December. Please e-mail: g.e.moore@cc.uta.edu

FOR SALE: Phillips midi stereo, with radio, double cassette, excellent condition, £19. Contact ext 2569 or 679112

FOR SALE: Apple Powermac 7300 200, 64Mb RAM, 4Mb VRAM, OS8, MS Office, £850 o.n.o. Contact Peter on ext 3690 or mobile 0966 395386

FOR SALE: 48DX-50 multimedia PC, 540Mb HD, CD-ROM, speakers, £219; HP Deskjet 400 colour printer, £65; 14" colour television with remote control, built-in FM clock/alarm, booster, external antenna, long extension cable, £69; better deal if taken as whole package. Contact Peter on 693330 or e-mail: jil@central.sussex.ac.uk

TO LET: four bedrooms from beginning July to end of August in large, newly decorated, fully-furnished house in Fivesways area. Front and rear gardens, two bathrooms, separate toilets, washing machine, "fridges, telephone, etc. £155/week per person. Contact 884238

WANTED: two/four bedroom furnished house/flat in Lewes/Falmer/N Brighton area for visiting researcher and family from July. Contact M Sheffner on ext. 2293 or 472024

TO LET: spacious, peaceful, three-bedroom house available from July 1 to September 1. All mod.cons., would suit visiting faculty, families or PG couple, £450/month. Contact 505171

Bulletin

Next week is the last Bulletin of term. Please let us know if you have any vacation notices to publish. We also welcome news, events, letters and small ads. Please contact the Information Office, Sussex House on ext. 8209 or e-mail: Bulletin@sussex.ac.uk

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