The University of Sussex
BULLETIN
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£1.3 MILLION IN GRANTS FOR PHYSICS RESEARCH

Grants totalling more than £1.3 million have been won in the past year for Dr. Peter Townsend’s work in Physics, one of the most successful pieces of research-funding in the University’s history.

The most recent grant is for £1 million from the Societa Italiana Vetro (SIV). After a pilot project last year to assess whether the research was feasible, SIV have now awarded the £1 million for research on the use of ion implantation to change the surface properties of glass.

SIV, the second largest glass company in the world (after Pilkington’s), makes glass for industrial purposes and much of its product is used in car manufacture. When it decided to commission the research, SIV consulted an agency about where the research would best be done; after the agency had conducted a world-wide survey specifically for them, SIV came straight to Peter Townsend and asked him to undertake the pilot project with a view to the full research if that proved successful.

All of Peter Townsend’s work is done in collaboration with Dr. Peter Chandler but what may appear to be ‘straight physics’ does in fact have interdisciplinary application. Peter Townsend has worked with Dr. Helen Rendell from Geography for at least eight years on thermoluminescence and she helped with the SIV project — conducting the contract negotiations in Italian.

Peter Townsend received another £1.4 million grant in 1988, from the Science and Engineering Research Council, to work, with Professor Tony McCaffery in Chemistry & Molecular Sciences and with the University of Southampton, on a two-year pilot project to make laser wave guides using ion implantation. He has also got £40,000 from the SERC for a one-year project on buried wave guides, as well as a four-year grant of £29,000 per annum from the JET Laboratory at Culham, for a surface defects study. Over the same period he has in addition been one of three authors of a new book on Point Defects in Materials and has guest edited two journals in collaboration with Helen Rendell.

LORD CALLAGHAN TO RECEIVE DEGREE AT WINTER GRADUATION CEREMONY

Former Prime Minister Lord Callaghan is to be awarded an honorary Doctorate of Laws by the University at the Winter Graduation Ceremony on 25 January.

Also to be honoured is the distinguished soprano Felicity Lott, who will receive the degree of Doctor of the University. In addition, the December meeting of Senate approved the award of two further degrees to local figures: teacher Councillor Patricia Hawkes, who is currently Mayor of Brighton, will be awarded the degree of Master of the University and Clifford Chatterton, Clerk to the Justices for Worthing and Arundel will become a Master of Arts. The degrees will be conferred by the Vice-Chancellor at the ceremony which will be held in the Gardner Centre.

Senate also approved the award of ten other honorary degrees. At the Summer Graduation Ceremony on 11 July, Lord Carrington, former Foreign Secretary, Minister of Defence and Secretary-General of NATO, and Denis Healey, former Chancellor of the Exchequer and Minister of Defence, will be awarded the degree of Doctor of Laws.

Honorary degrees will also be awarded at the same ceremony to Lady Soames, writer, President of the National Benevolent Fund for the Aged and Chairman-designate of the National Theatre; Professor Christopher Freeman, founding Director of the Science Policy Research Unit; and Dr. Alfred Bader, founder of the Aldrich Chemical Company in the USA.

At two other ceremonies, honorary degrees will be conferred on Sussex graduate and writer Ian McEwan; Dr. Douglas Chamberlain, Senior Cardiac Consultant; Lord Gibson, former University Treasurer; Ray Howard, former University Finance Officer; and Jane Wood, former Senior Technician in the School of Biological Sciences.
Scholarships, Fellowships and Other Awards

The Wellcome Trust

Post-Doctoral Travelling Research Fellowships to Europe 1989-90: long-term fellowships are normally held for one year, possibly extended to two years. Short-term fellowships allow more senior scientists to make working visits of 3-6 months. Further details are held in the Information Office, Sussex House.

Welcome Vacation Scholarships: available for up to 8 weeks in the summer vacation for promising undergraduates in biomedical studies to gain 'hands-on' experience of research. Closing date: 31 March. Further details are held in the Information Office.

The Royal Society
Royal Society University Research Fellowships: up to 30 fellowships are offered to British citizens aged 26-33, for 5-year appointments, possibly renewable for 3 and 2 years. Closing date: 13 February, 4 pm. Further details from: Ms. U.M.A. Maunsell, The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG.

Vacant Research Appointments: there are 8 vacancies in a variety of subjects. Closing date: 13 February, 4 pm. A list of the appointments may be consulted in the Information Office.

Peter Kirk Scholarship 1989
An award of £750 is open to 18-24 year old for travel to Europe for a project which should address any aspect of modern European life, social, cultural, political or economic, staying in at least one European country for 2-3 months. Send A5 size stamped addressed envelope for full details to: The Secretary, Peter Kirk Memorial Fund, 57 Merton Hall Road, London, SW19 3PR. Closing date: 1 March.

Humphrey-Fulbright Fellowship in Demography
A new award is being offered for 1989-90 by the Fulbright Commission in association with the Hubert H. Humphrey Institute of Public Affairs, University of Minnesota. It will enable a British academic in the field of demographic studies to spend a minimum of 3 months at the Institute. Benefits include travel and maintenance grant. Closing date: 31 March. Details from the Research Grants Office.

EMPLOYMENT OF STUDENTS

University employers of overseas students, from non-European Community countries, are asked to ensure that such students obtain a Permit to Work, which is issued by the Job Centre, 13-15 Old Steine, Brighton.

Without such a Permit, the University cannot pay these workers, which presents obvious difficulties when the work has already been undertaken, and the students may have jeopardised their continued stay in the UK by breaking the terms and conditions of their entry. Obviously both situations are best avoided.

CHARITABLE DONATIONS

In the 1988 budget, the Chancellor of the Exchequer introduced tax free payroll deductions for charities and the University will soon be able to offer this facility for weekly and monthly paid staff.

The scheme works by deducting any charitable contribution from gross pay and then calculating income tax on the remainder, as happens at present with superannuation contributions. Thus, at current rates of tax, a £10 contribution reduces the cost to a contributor to £7.50. The University pays over the £10, with other contributions for the period, to Give As You Earn who distribute the total amount to the individual charities nominated by contributors. In this way, neither contributor nor charity need become involved in Deeds of Covenant, and annual form-filling to recover tax is avoided.

Forms for staff to authorise charitable deductions and to nominate charities to receive their contributions are available from Geraldine Smith, Salaries Office in Sussex House (tel. 3757).

YOUNG SCIENCE WRITER AWARDS 1989

Applications are invited for the 1989 Daily Telegraph—British Association Young Science Writer Awards. The competition is divided into two age groups: 16-19 year olds should write about any scientific discovery; those aged 22-28 should write about their own research or an existing scientific discovery. Articles should be of about 700 words long and should be written in a manner vivid enough to increase the general reader's awareness of and interest in science.

The best article in each group will win its author a trip to the USA in 1990 and publication of the article in The Daily Telegraph. Closing date: 25 February. Details are available for consultation in the Information Office, Sussex House, or from Ms. Julie Dallison, British Association, Fortress House, 23 Savile Row, London, W1X 1AB.

LETTER TO THE EDITOR

Dear Sir

On the Election of Deans issue which came up at Senate last term, I personally found one thing shocking which in a sense has nothing uniquely to do with the University of Sussex. At one point it was said that if the word 'elections' was to appear in the Vice-Chancellor's document proposing new procedures for the appointment of Deans, it would not satisfy the University of Sussex Council, the UGC, the DES, and the UFC. This was argued as a reason for not having the word 'elections' in the procedures.

First of all I don't think such an assertion is true. We are not yet living in a regime in which the word 'elections' associated with budgetary responsibilities is unacceptable to the powers that be. Secondly, if it is true, it is a deeply shocking fact about the political culture in which we live. It is certainly not a reason for conforming with that culture. Indeed, if true, such distaste for the word 'elections' would be a reason for immediate and proud resistance.

I think it is very dangerous to off-load what one wants to do any way on to superior forces above one which are allegedly forcing one to act.

Yours sincerely,

DR. STEPHEN YEO
President, Association of University Teachers, University of Sussex Branch.

BRITISH ACADEMY POSTGRADUATE

STUDENTSHIPS IN THE HUMANITIES 1989

Sussex students who intend to apply for British Academy postgraduate studentships tenable at Sussex or elsewhere in 1989 should obtain details and an application form now from the Admission Office in Sussex House.

The British Academy will accept applications only from candidates who already hold an offer of admission to postgraduate studies. The closing date is 1 May 1989, and the procedures involved may take a considerable length of time to complete. Applications for admission should also, therefore, be submitted without delay, including those from current course-work (Master's degree) students who wish to proceed to research in 1989.
PRO-VICE-CHANCELLOR
Mr. David Streeter has been appointed Pro-Vice-Chancellor (Science). Mr. Streeter, Dean of the School of Biological Sciences until his new appointment, will hold office from 1 January 1989 to 31 July 1991.

DEANS
Dr. Mike Wallis has been appointed Dean of the School of Biological Sciences for three years from 1 January.

The appointment of Dr. Stuart Laing as Dean of the School of Cultural and Community Studies has been extended for a further two years from 1 August.

Professor Julius Carlebach

CHAIR AT HEIDELBERG
Julius Carlebach, Emeritus Reader in Sociology in the School of African and Asian Studies, has been appointed to a Chair and Rector of the College of Jewish Studies in the University of Heidelberg. Professor Carlebach expects to take up his new duties this month, but intends to maintain his links with Sussex.

CONGRATULATIONS!
Dr. C.A. Long of the Thermo-Fluid Mechanics Research Centre has been awarded a Science and Engineering Research Council Advanced Fellowship for 1989.

Professor Ian Russell has been awarded £66,820 under the Wolfson Research Awards Scheme.

ESSEX APPOINTMENT
Dr. Barry Smith, head of the AFRC Nitrogen Fixation Division, has been appointed a Visiting Professor at the University of Essex.

CELEBRATING 40 YEARS OF RESEARCH

Professor Colin Eaborn pictured above with some of his students at last month’s celebrations to mark his 40 years of research. Some 40 students, graduates of Sussex and from his time at Leicester, joined co-workers and present colleagues for a lunch and scientific symposium. The occasion provided an opportunity for graduates who had not seen each other for many years to meet again. One flew from the United States, and another from Poland. Still others would have liked to come, but had other commitments or lived too far away: 38 of these from 18 countries sent greetings and good wishes. A book containing the letters and telegrams was presented to him as a memento of the day. And at the MOLS dinner in the evening, a gift of the Oxford English Dictionary was presented to him by Professor Michael Lappert.

COMPANION OF THE INSTITUTE OF ENERGY
John Cheshire of the Science Policy Research Unit has been elected a Companion of the Institute of Energy, which is the main professional body in this field. Mr. Cheshire is well-known for his work on energy policy in relation to economic and technological change. Companionship is awarded by the Institute to those who have rendered important services to energy engineering and John Cheshire is particularly pleased to have been elected by engineers when he himself is an economist.

DESIGN SEMINAR FOR ENGINEERING STUDENTS
Mechanical and Structural Engineering students were able to benefit from the experience of leading local firms at the annual four-day design seminar held last month at the Isle of Thorns for second and third-year students.

Senior staff from Eurotherm International, the group which has its own R and D centre on campus, International Automotive Design of Worthing, Ricardo Consulting Engineers of Shoreham and Trend Control Systems of Horsham were on hand to set design projects for the students to perform in teams over two days.

The seminar was rounded off with a formal dinner at which prizes were presented to last year’s best graduates. Mr. Syd Lambert of the Institution of Mechanical Engineers presented the award for best individual student to Michael Atkinson, who also won the prize for best third-year design studies. The award for best third-year project went to Adrian Hilton.

Second-year Mechanical and Structural Engineering students gather for a group photograph at the end of their design seminar
TECHNOLOGY MASTERCLASSES GET UNDERWAY

The Vice-Chancellor welcomed local school children to the first session of a new Masterclass in Technology series which began at the University last Saturday. This highly-successful scheme is run for 13-14 year-olds by the University in conjunction with the Royal Institution, and is sponsored by Shell UK Limited.

The nine sessions of the Masterclass aim to give the children an awareness of the research, development and testing procedures used by technologists and engineers. The course lays stress on problem-solving and also looks at some of the major technological achievements of British industry in recent years. Practical sessions will give participants the chance to take part in problem-solving exercises which will draw on the full range of their own understanding of a variety of disciplines.

SOVIET INFORMATION SERVICE

The Royal Society now operates an information service on science and technology in the USSR. A computerised database has been established using information derived from reports written by British scientists visiting the USSR, supplemented by information extracted from published directories, newspapers, journals and other sources.

The type of information being stored ranges from names, addresses and telephone numbers of Soviet institutes to recent developments in science and technology. Subjects covered include all the natural sciences, mathematics, engineering, agriculture, non-clinical medical research and the scientific research aspects of psychology, archaeology and geography.

Enquiries are welcomed from individuals or organisations interested in collaboration with the Soviet Union in the field of science and technology. For full details, write to: Mrs. Sharon Campbell, The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG. Tel. 01-839 5561, ext. 314. Fax: 01-930 2170.

NEWS FROM THE GARDNER CENTRE

LAUNCH OF NEW SEASON

The first British performance as a duo of two of the jazz world's great musicians, a rare opportunity to see classic French theatre without travelling to France, offbeat humour in a cabaret double-bill and an unusually diverse musical ensemble: these are just some of the elements of a spectacularly varied start to 1989 at the Gardner Centre.

Tomorrow, 11 January, sees the opening of two new exhibitions in the Gardner Gallery. New Talent is the result of work selected by a competition open to painters, printmakers and illustrators from the Southern and South East Arts Region. The winners were chosen by Sir Hugh Casson, artist Stephen Farthing and Isobel Johnstone, Curator of the Arts Council Collection.

In the Foyer is a show called Travel Albums. Six young painters, printmakers and sculptors travelled to North America with the help of travel awards made by East Sussex County Council. This show chronicles their work, and takes in Mexico, the forests of Europe, Turkey and throughout Britain.

Just four more viewing days for those who have not yet caught the Gardner Christmas show Holly and the Magical Oak (yes, there are some!). Specially written for the Gardner by local talent Christopher Bailey and directed by Stephen Dalrymple, ex-Assistant Director at Sheffield's Crucible Theatre, the show has proved once again that as far as producing truly popular, original and festive fare, the Gardner is unrivalled. Cinderella eat your heart out! (The show runs until 14 January.)

Kicking off the Spring season is Gemini, one of the country's leading performance ensembles who have built up a reputation both for their education work and for the range of music they embrace. Their concert on 20 January promises to live up to that reputation with Cuban dances, a 10-minute opera for one singer who takes nine roles including that of the whole of the Norwegian army (!), chamber music by Martinu, Poulenc and Eisler, musical theatre and an item created in workshops with young people in the two days before the concert. This will be Gemini's second visit in recent weeks following their appearance with Second Stride Dance Company when they were involved theatrically as well as musically in the production. Multi-talented indeed and promising a uniquely varied musical evening.

Jack de Johnette has to be one of the greatest jazz drummers alive today. A former collaborator with Miles Davis and Bill Evans, he currently works with Keith Jarrett and leads the group Special Edition. John Surman has long been regarded as the best Baritone Saxophonist in the world and is probably best known for his solo work, especially for accompanying himself with synthesisers.

The two musicians have worked together for a number of years, appearing to great acclaim throughout Europe. The 1983 album on ECM Records, The Amazing Adventures of Simon Simon, was Jazz Forum's European Record of the Year. Their appearance at the Gardner on 25 January is part of a tour which marks their first appearance in this country as a duo and promises some startling new high-tech jazz.

As an exciting prelude to 1992 and Anglo-French links, the Gardner presents Mal Entendu by Albert Camus performed in French by Atelier Théâtral de Beauvais (27 January). An early classic of the theatre of the absurd, Camus wrote this play in 1944 during the German occupation of France whilst also editing a clandestine newspaper. A master prose-writer, Camus was also well-known for his theatrical pieces.

Atelier Théâtral's visit to the English provinces heralds the beginning of a new era of cultural exchange between Western European countries. This type of classical French text-based theatre is usually only to have been seen outside London in recent years: dance and music has always been regarded as a 'safer' risk with the British audience. Indications are that visits by foreign companies producing works both in their native language as well as in English will be on the increase, as well as more tours abroad for British artists: developments which can only be to the good.

We see January out in light-hearted vein on 28 January: Obsessive Brighton football fanatic John Baine — alias poet Attila the Stockbroker — is back at the Gardner for another appearance with hilarious feminist cabaret group Sensible Footwear. Attila's visit is conveniently timed to coincide with Brighton's home game in the Fourth Round of the FA Cup. Always popular with Brighton audiences Attila is that highly unusual mix: a good sport who also happens to be hugely entertaining.

Further information about these and all Gardner Centre events can be obtained from the new Gardner Centre brochure.
CHANGING PATTERNS OF GRADUATE EMPLOYMENT

The Careers Advisory Board is monitoring the current and prospective state of the graduate employment market and the implications of demographic trends. At its meeting in November, the Board agreed that the issues be brought to the attention of Senate and Council and that all members of the University be made aware of likely trends in order that appropriate policy be formulated.

The following are some of the key points raised at the Board:

- There will be a reduction in the number of graduates in the period 1992-98. This decline will be set against growing demand for skilled personnel.
- The introduction of the internal market in Europe will lead companies across the EC to recruit English-speaking graduates as English is the common language of business, science and technology. This will exacerbate the problems for UK companies of recruitment from a declining pool of appropriately-qualified graduates.
- The pattern of graduate recruitment is changing. The traditional milkround is being supplemented by national careers fairs, and a trend towards sponsorship based on a focused approach to selected universities.
- Attention is also being paid to in-house career development. Employers are likely to be competing with higher education to attract the able school leavers. Consideration is being given to rationalising work in order to reduce the need for graduates.
- Much graduate recruitment is concerned with seeking potential 'high-fliers'. Students who are not academically successful and who do not have well-rounded positive personalities which they have developed and utilised in vacation work or extra-curricular activities could face difficulties in gaining suitable employment.
- Many companies are reluctant to recruit mature graduates. Junior positions are often available but do not always meet the aspirations of mature graduates.

The Board agreed:

- There is a need for early identification of potential unemployed graduates.
- Consideration should be given to facilitating the employability of students through amendments to course structures to allow employment-related project work and internships as well as part-time and vacation work.

The Board recommended that the issues raised be the subject of full and wide discussion throughout the University as they posed fundamental questions about the nature and purpose of the undergraduate experience.

In particular, the Board agreed:

- To endorse the objectives of the Steering Group under the Directorship of Dr. Peter Lindon to develop contacts between employers and faculty in order to facilitate the introduction of an 'enterprise' element into undergraduate courses where appropriate and to further the concept of Education for Capability.
- To endorse the increasingly important role of experience outside the formal academic environment and invite discussion of how this might be achieved.

Copies of the full report of the Careers Advisory Board are available from the Deputy Registrar. Dr. Lindon's Group is requesting Schools and Subject Groups to review degree courses in the context of Education for Capability during this term.

THE APPOINTMENT OF DEANS

At the end of last term, Senate and Council considered changes in the method of appointing Deans. The proposals stemmed from various changes in the roles of University officers, in the Budgetary System, etc. which have taken place since the current and various methods of appointments of Deans were approved.

After a full discussion, the Senate agreed to defer consideration of the matter with a view to further proposals being presented to its next meeting.

Council was informed of the Senate's discussion and proceeded with discussion to assist the further consideration by the Senate through an expression of the Council's views on how it would like to see its principal budgetary officers appointed. After a full discussion Council agreed to advise the Senate that a formula for the appointment of the principal budgetary officers within the broad bounds of one of the following would be acceptable:

- The Regulation as put forward by the Vice-Chancellor in his paper. A number of amendments to the detail of the draft were suggested during the discussion which were acceptable as being consistent with the original conception.
- Appointment by a Decanal Selection Committee on which the various interests should be represented. Such a body could take many forms.

It is likely that the issue will be discussed at an extra meeting of the Senate to be held in the next few weeks.
NOTICEBOARD

VACANCIES

The Personnel Office has issued the following summary of posts to be filled. Advertisements for these vacancies have been placed in local, and where appropriate, national papers, as well as being circulated to the relevant Section Heads and Union representatives for circulation to staff and noticeboards. Copies of these advertisements and further particulars, if available, as well as application forms, are available from the Personnel Office, Room 227, Sussex House. This list was compiled on 3 January and is subject to revision.

Teaching Faculty
Chair in Law
Temporary Lectureship in Social Anthropology
Other Faculty
Deputy Director — Overseas Bed
Technical
Computing Service Technician
Trainee Photographer, PDU, full-time, trainee grade
Secretarial, Clerical and Related
Micro-Support Programmer, f/t, grade 5
Admin. Computing Operations Control Clerk, f/t, grade 4/5
Palmer Student Grocers Assistant Manager, f/t, grade 3
Machine Operator, Students’ Union, f/t, grade 3
Clerk Typist, Registry Postgraduate Office, f/t, grade 2
Receptionist/Typist/Telephonist, Students’ Union, f/t, grade 2
Clerk, Salaries Office (Staff Records), part-time, grade 2
Clerk, Wages Office, f/t, grade 2
Secretary, Biols, p/t, grade 2
General
Porter, Pavilion, p/t
Groundperson, Sports Service, f/t

University Library: p/t cleaner for general office cleaning and book dusting required. Details from Librarian’s Secretary, Library (tel. 8158).

POST OFFICE

The Post Office is looking to recruit one or two part-timers to help out on the counter during the busy lunchtime period, particularly during term time. If you would like to know more about the work, please contact Kristian Berggreen, Assistant Manager in the University Bookshop. He can be reached on ext. 3885.

BRITISH ASSOCIATION 1989 MEETING

This year’s annual meeting of the British Association will take place at Sheffield from 11 to 15 September.

RECENT BOOKS

Recent books by Sussex authors include:
All available from Sussex University Bookshop.

LUNCHEON MUSIC

Meeting House Recitals
Tuesdays, 1.15 pm in the Chapel
17 January: John Birch (organist)
24 January: Adrian Stark (organist)
31 January: Meeting House Choir — Pergolesi — Stabat Mater
Sussex Trusts
Fridays, 1 pm, Playing Fields Pavilion
Mainstream/traditional jazz.

UNIVERSITY CLOSURES

The University will be closed for the Easter holiday on 23 and 24 March and from 27 to 29 March. The University will also be closed for Bank Holidays on 1 and 29 May and 28 August.

TERM DATES 1989

Spring Term
This term ends 17 March
Summer Term
24 April to 30 June
Autumn Term
9 October to 15 December

COMMUNICATING SCIENCE

In conjunction with the British Association, Oxford University’s Department for External Studies is organizing a residential weekend course from 17 to 19 February devoted to practical training in communication skills for scientists. Its aim is to enable scientists to communicate more effectively through the mass media. The course will be held at Reiley House, Oxford. Further details from: Science Course Secretary, University of Oxford, Department for External Studies, Reiley House, Wellington Square, Oxford, OX 1 2JA.

LIBRARY NEWS

• The refurbishing of the basement snack bar planned for December could not take place then. It is hoped that the work will now be done in the Easter vacation.
• During the Spring Term and Easter vacation various building works may cause some occasional inconvenience to users. Some ground floor lighting is to be renewed, ducting is to be fitted for cabling linking the Library to the campus Ethernet, and work on roof lights will prevent the leaks hither-to associated with them. At no time will large areas of the Library be affected.
• Geac Computers Ltd are to purchase from the Library some in-house software which provides management information about library activities recorded by the standard Geac library system, but not at present accessible within it. The Sussex Statistical Tabulator will be further developed at Sussex, and then sold to Geac, who will offer it to all their customers. Royalty arrangements should mean further income for the Library. This sale follows that in 1986 of the Sussex Report Generator, which is now in use in several Geac libraries.

LANGUAGE CENTRE COURSES

The Language Centre will be running the following open courses this term: French, Spanish, Portuguese, German, Japanese, Russian, Chinese (Mandarin), Italian and Greek. Courses will be offered at a variety of levels, often in the lunch-time, beginning in the week commencing 11 January. The fee is £27 for a course of nine lessons. Further details from the Language Centre, Arts A.

BULLETIN

The Bulletin will be published every three weeks this term. The next edition will appear on Tuesday, 31 January. Copy must be received in the Information Office, level 2, Sussex House, tel. 8208, by no later than 4 pm on Monday, 23 January. Other publication dates are: 21 February (copy date 13 February) and 14 March (copy date 6 March).

Please remember to let us know about news events — we can only inform you, if you inform us.

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