Universities are to receive a mere 2.5 per cent increase in cash terms in their recurrent grants for 1986-87 although an extra £21 million a year will be made available for research and equipment over the next three years.

This was part of the message on education in the Chancellor of the Exchequer's autumn financial statement to the House of Commons last Tuesday.

It means that university spending is being cut in real terms by 1.6 per cent next year and 4.3 per cent in 1988-89, the grant needed to keep pace with the government's inflation estimates.

The total recurrent grant to universities will be £1,342 million in 1986-87, as against £1,309 million this year. There will be an increase in the amount available for equipment in selected centres of research, up from £7 million to £10 million in each of the next three financial years. There will also be a 5.2 per cent increase to £95 million in universities' general equipment grants in 1986-87.

The British Academy will receive £500,000 a year in the next three years to fund about 25 fellowships annually in the humanities and social studies fields. The science budget to the Research Councils is to be increased by £15 million to £614 million in 1986-87. Altogether universities will receive an extra £21 million next year and in 1987-88, and £24 million in 1988-89 for research.

In addition, an extra £25 million in 1986-87, £23.5 million in 1987-88 and £21 million in 1988-89 has been allocated for mandatory student grants because of the anticipated increase in student numbers.

Commenting on the Chancellor's recurrent grant announcement, University Finance Officer Ray Howard, said: "This confirms for the next year at least, the University Grants Committee's assumption in the 'Planning for the late 1980s' exercise that universities' recurrent grants would be some two per cent lower than the Government's inflation assumptions."

Fears that British universities are losing an increasing number of talented scientists to posts overseas and to industry and non-research careers in this country, have been confirmed in a report published last week by the Advisory Board for the Research Councils (ABRC).

Not only are talented students and post-doctoral research workers going abroad, but also outstanding senior scientists. A particularly worrying drift overseas of chemists and biochemists is noted in the report.

Some 40 leading research groups, mostly in universities, were approached by the ABRC for evidence about the size and nature of the current 'brain drain'. Almost all replied.

Reasons given for going overseas included: more opportunities, better pay and prospects; better facilities; frustration with the difficulties of obtaining research funding in the UK; and aggressive recruiting by US universities and industry.

The report has been submitted to Sir Keith Joseph, Secretary of State for Education and Science.
Dancing from Africa to Asia

Dance continues to be an important element in the Gardner Centre’s programme in the next few weeks, with two highly colourful and contrasting shows coming from very different roots. Ghana and India. Ekcone are Britain’s leading Afro-Caribbean dance and drumming group, and most of their work draws on traditional West African culture. The sheer spectacle of their show delighted a capacity audience at the Gardner last autumn, with 16 dancers and drummers producing a powerful and exhilarating evening. They are back for two performances this Thursday, 21st, and on Saturday, November 23.

Equally stylish but in a very different vein, the Academy of Indian Dance take the stage on Tuesday and Wednesday, November 26 and 27. The company is unique in Britain: Indian dancers tend to work as solo performers, and this collaboration features a number of the leading exponents now working in this country. Moreover they incorporate a number of different traditional dance styles. The show they present is 'Mowgli', based on Rudyard Kipling’s magical Jungle Book. With colourful characters such as the panther, the tiger and the monkeys, 'Mowgli' is highly suitable for all ages.

The Gardner continues its close relationship with the Chilingirian String Quartet tomorrow (Wed. Nov. 20) in a concert which features works by Mozart, Schubert, Puccini and Kurtag. The Quartet’s international reputation continues to grow and this will be their eighth season in residence at the Gardner. Chamber music enthusiasts will also enjoy the cello recital to be given by Steven Isselr on Wednesday, December 11. The programme includes three Bach cello suites and continues its 30th season of events to celebrate the tercentenary of Bach, Handel and Scarlatti.

A rather less reverent part of that season is Scarlet’s Birthday Party, an affectionate but tongue-in-cheek look at the lives and music of these three great composers. The show is presented by Natural Theatre on Friday and Saturday, November 29 and 30. The music ranges from The Messiah to Happy Birthday to You, and virtuoso musicianship is all in good humour. Cabaret and surreal images to produce an entertaining evening for theatre and music lovers alike.

The interplay between photography and painting is explored through the work of six contemporary British artists in the gallery’s latest exhibition, while Peter Morgan’s show ‘Beauties of the Night’ is in the Foyer. Playboard Puppets present ‘Blast Off To Button Moon’ in a special Sunday matinee performance on December 1, with the puppet characters made famous on television. The show is aimed primarily at children aged 3 – 9, but secret older fans are also welcome!

Much of the talent on campus will be on display towards the end of term, with the University’s Dramatic Society and Orchestra both giving performances. The Dramatic Society presents Lorca’s ‘House of Alli’ on December 6 – 7, while the Orchestra offers a programme of Weber, Stravinsky, Mahler and Bartok on December 10. David Osmond-Smith conducts.

Scholarships and Awards

Welcome Trust - Travelling Research Fellowships to Europe 1986-87: applications are invited from post-doctoral research workers for the award of Wellcome-European Research Fellowships for 1986-87. These awards include the Trustees’ special fellowships to Czechoslovakia, Denmark, Finland, Hungary, Norway and Sweden.

The object of these fellowships is to encourage working visits by investigators in any branches of the natural and clinical sciences who have a be a living human or animal medicine. These fellowships, which are normally for one year, provide stipends of £7,520-12,635 p.a. and other expenses.

Further details are held in the Research Grants Office, Room 201, Sussex House. Closing date for applications: December 31, 1985.

Exeter College, Oxford - Senior Scholarship in Theology. From time to time the College elects a graduate to a Senior Scholarship in Theology, to study, as a member of Exeter College, for the Final Honour School of Theology, or the Final Honour School of Philosophy and Theology. The Scholarship may, in appropriate cases, cover all College and University fees, and provide a maintenance grant at the current LEA level. Further details from the Chaplain, Exeter College, Oxford. Closing date for applications: November 30, 1985.

Rotary International - Rotary Foundation Grants for University teachers. Some 10 grants are awarded each year to British teachers (or, if retired, the rank of associate professor, its equivalent, or higher). Preference is given to applicants with invitations to teach in developing nations. Grants may be spent on living expenses, travel, research costs and other expenses. Recipients receive other stipends.

It has just been announced that in the first year of the scheme ten professors from six countries have been awarded $10,000 each to teach abroad. For selection must be made next September, applications must be received by local Rotary clubs by April 15, 1986. Further details are available from the Registrar & Secretary, Sussex House.

Small ads

FLAT TO LET - Swanborough manor, from January 1986. Self-contained, one double bedroom, very large sitting, very room, kitchen and bathroom, in beautiful surroundings. Details G.S. Chaffey, tel. 3920

OBOE LESSONS: Tim Jackson, well-known as an oboe teacher, may soon have time for a few more pupils. Hassocks recommended by A. Sloman.

CHRISTMAS SHOPPING coach trip to London on Sat. Dec. 7 for £3.25 (2.75 child). Depart Brighton 8.30 a.m., setting down at Regents St. and Covent Garden, and picking up at 5 p.m. (venue to be decided), with tour of Christmas lights before return to Brighton approx. 8 p.m. Coach will also pick up/drop off at Uni. For reservations/tickets tel. 2134.

VERDI'S REQUIEM

On December 7 in St. Peter's Church, Brighton, the University Choir and Orchestra will perform Verdi's 'Requiem'. This great and popular work will be conducted by Jonathan Grieves-Smith with soloists Dorothy Rose, Corinne Sharen-Sarti, Philip Curtis and Alyn Williams. The performance will start at 7.45 p.m. Tickets are available from Music Federation, the Union Shop or on Brighton 736020, price £3, £2 concessions.

Book now for what should be a memorable performance!
BP award for Physics group

A group of scientists from the School of Mathematical and Physical Sciences (MAPS) have received a grant of £236,000 for the next three years to carry out research on macroscopic quantum circuits and their implications for quantum research.

Dr. Terry Clark and his Superconducting Circuits Group were awarded the grant by the BP Venture Research Unit. This latest award brings the total received by the group in the last seven years to £1 million, with previous grants having come from the Science and Engineering Research Council and the National Research Development Corporation (now the British Technology Group).

Dr. Clark and his colleagues, Drs. Robert and Helen France and Dr. Tim Spiller, have been working for a number of years to develop and "construct" an electronic device which behaves in the same way as a single atom.

Most people today are aware that things around them behave according to the rules of classical physics (e.g. the laws of gravity and electromagnetism), first laid down by Sir Isaac Newton and James Clerk Maxwell. However at the scale of atomic particles, nature appears to operate according to a different set of rules, which are known collectively as quantum mechanics.

Although scientists have been aware of quantum mechanics for some time now, the particles involved are so small (e.g. an atom is roughly one hundred millionth of a centimetre in diameter) that observing them directly would make them behave individually seemed impossible even with the most sensitive measuring instruments available.

But now Dr. Clark and his group have constructed a macroscopic quantum mechanical circuit, although it is a couple of centimetres across, they believe behaves in the same way as a single atom; because of its size, its behaviour can be much more easily observed using instruments which the Sussex group have developed.

Dr. Clark hopes that following the group's research it will be possible to use quantum mechanical rules in the development of circuit hardware. The result could make the already amazing electronics of the late 20th century look like semaphore by comparison.

Switchboard lament

The new telephone system will be seen by many members of the University as vast improvement on the old system - once they've figured out how to use it.

To some, however, the passing away of the old system and its peculiarities is a great loss. One such person, telesaleswoman Kathy Walsh, who explains below why she will miss her special friend.

Today I say "goodbye" to my friend, with whom I have worked for over 13 years. I know all her ways, and also when she is under the weather. When I come to work in the morning her eyes light up and she is full of life all day - especially on Mondays. I think perhaps she has been lonely over the weekend.

She does get angry on occasions and flashes her eyes. At other times she plays tricks by going quiet - occasionally winking one eye to tempt me to find out what she is trying to say.

Her health has been very good, considering the pressure she has worked under, but she has never let me down. Like us all, she has had a few faults from time to time, but these have soon been looked at and sorted out.

I shall miss her very much and will never forget her. Hopefully I will take a small part of her with me and although she will never flash her eyes at me again, at least I will be able to remember the good old days.

Alternative Green Paper

The relative decline in university funding over the last five years of 17 per cent was "unnecessary in any other major sphere of public expenditure," Mr. Maurice Shock, Chairman of the Committee of Vice-Chancellors and Principals (CVCP), told delegates at a conference on the issues raised by the Government's Green Paper 'The Development of Higher Education into the 1990s'.

The consequences of this decline would be felt into and beyond the next generation, he said.

Mr. Shock was speaking at 'The Alternative Green Paper' conference, held last month by the CVCP as part of its preparation for drawing up its response to the Government. Universities, research councils, parliament, industry, trades unions and schools were represented.

Mr. Martin Wood, Deputy Chairman of the Oxford Instruments Group, one of the speakers from industry, said that there were four crucial factors to industry-university collaboration working successfully towards the economic prosperity of the country: it was vital to maintain, even increase, the funding of basic research; institutions of higher education had to look first to the intellectual value of collaboration, not necessarily for immediate financial gain; industry needed to be run by more top-flight technical people with business flair; and industry had to be prepared to divert more resources to continuing in-house applied research.

Speaking on the needs of the professions, Mr. Alan Hardcastle, Senior Partner of Peat Marwick Mitchell & Co., said that depth of understanding not only be sacrificed for breadth of knowledge as business was coming to require wider and wider skills.

In the political debate, the Government spokesman, Mr. Peter Brooke, MP, replied to his critics by stressing that while the UK university system was the best in the world, the universities must deal in 'realities'. He welcomed the way in which the universities had responded to "profound external pressures" in a general climate of reduced funding and restraint on public expenditure. He called on the universities to address a wider constituency with their arguments.

The CVCP's 'Alternative Green Paper' is to be published early in the new year.

CHRISTMAS EATING

The traditional Christmas lunch in the Refectory 'Scramble' will be available on two dates: Thursday, December 5 and Tuesday, December 10, from 12.15 to 2.15 p.m. Roast turkey with stuffed bacon roll, bread sauce, garden peas and roast potatoes will cost £2.30; homemade Christmas pudding and rum sauce, 45p; and a glass of Nicholas wine, 50p. A limited number of tables can be reserved for large parties.

CAROL SERVICE

The University Carol Service by candlelight will be held in the Meeting House Chapel on Sunday, December 8 at 6 p.m.
CENTRE FOR CONTINUING EDUCATION

Open Lectures
4th Hitachi Lecture (Unit for Comparative Research on Industrial Relations), Tuesday, November 26, 6.15 p.m. in the Terrace Room, Noticeboard. "Hitachi in Britain: an example of a watered-down and Americanized industrial relations system" by Dr. D. F. Cooper. Admission free, no tickets.

The Pelham Lecture (in association with the Regency Society of Brighton & Hove) will be held on Tuesday, December 3, at 8.15 p.m. at the University. Sir Roy Strong, Director of the Victoria & Albert Museum, will speak on "Henry VIII: Prince of Art, and England's Lost Renaissance". Admission by ticket only, available from CCE, s.a.e. please.

Saturday School

Weekend Schools

For further details about these other events organised by the Centre, contact CCE in the Education Development Building.

V-C'S MEETING WITH FACULTY - CHANGE OF DATE
Please note that the Vice-Chancellor's termly meeting with faculty will now take place on Thursday, December 5 (not November 28) at 1.30 p.m. in the Senior Common Room.

MOTOR VEHICLE LICENCES FROM SUSSEX POST P.D.O.
A reminder that the Post Office in Sussex, Hassocks, no longer issues Motor Vehicle Licences. To save time, please remember to check before you join the queue that you have all the necessary documents and fee.

GOTHENBURG UNIVERSITY TEL. NOS.
Dr. Ulf Danatanus, Director of Studies: ext. 8302. Mrs. Jane Simmonds, School Office: ext. 8301.

NALGO AGM
The annual general meeting of the University of Sussex branch of NALGO will take place on Thursday, November 28 at 1.45 p.m. in Room 221, IDS.

ARE YOU SURE YOU ARE ISSUING THE CORRECT UNIVERSITY TELEPHONE NUMBER? Please check that your letterheading and any other stationery or correspondence gives the correct number of 060275. A Brighton telephone subscriber is being troubled with University calls because someone, somewhere is issuing the wrong University number.

ROBIN LEE POETRY PRIZE 1986
Entries are invited for the 1986 Robin Lee Poetry Prize, which this year is the sum of £25. The prize is offered annually for an original poem and is open to all members of the University, except faculty.

Up to four poems may be entered by each applicant, but the total of lines must not exceed 60. Each poem, which must not have been published before, should be typed on a separate page.

Entry forms are available from Jane Bamford, Arts B245. The closing date is February 1, 1986.

The Robin Lee Poetry Prize was endowed by Mrs. Lee, the mother of Robin, who was a lecturer at the University and a noted poet.

RECENT BOOKS
New publications by Sussex authors include:
INTRODUCTION TO DATA COMMUNICATION AND COMPUTER NETWORKS by Fred Halsall. Addison Wesley. Paper, £12.95.
MICROCOMPUTERS by D.G.C. Jones. In the Student Monographs series, Amstrad. Paper, £2.95.
TOlstoy's WHAT IS ART? by T.J. Diffey. Croom Helm. £17.95.
EUROPE AND THE NEW TECHNOLOGIES, edited by Margaret Sharp. Pinter. £25.00.
SOCIAL INDICATORS FOR HUMAN DEVELOPMENT by Ian Miles. Pinter. £17.75.
ENGINEERING AND VEHICLES, TECHNOLOGICAL TRENDS AND EMPLOYMENT, 4. Edited by Christopher Freeman. Gower. £16.50.

All available from SUSSEX UNIVERSITY BOOKSHOP

LUNCHEON RECITALS
Tuesday recitals in the Meeting House Chapel: 1.15 p.m. today (Nov. 19) - Bryan Almond (organ); November 26 - Jane Gibbons (recorder); December 3 - John Birch (organ); December 10 - Stephanie Harper (soprano) and Sue Pogson (mezzo soprano).

Sussex Trugs play mainstream/traditional jazz in the Playing Fields Pavilion from 1 to 2 p.m. on Fridays.

In the new Recital Room, Falmer House, 1.15 p.m.: Monday, November 25 - Jo Reece (cello), Stephens Phillips (double bass) and friends. Wednesday, December 6 - Anne-Marie Lewis and Jane Seanman (piano), duets and solos by Poulsen, Satie, Morton Feldman, Debussy and two first performances of new works.

Admission free to the above events.

BULLETIN
The Bulletin is published every three weeks during term-time. The next edition, and the last for this term, will appear on Tuesday, December 10. Copies must be received in the Information Office, level 2 Sussex House (tel. 8208) by no later than 3 p.m. on Monday, December 2.

We can only inform you if you inform us, so please remember to let us know about news events.

The Bulletin is for the information of staff and students of the University of Sussex. Published by the Information Office and printed by the University of Sussex Printing Unit.