UNIVERSITY PLAN

Planning Committee, Senate and Council met on February 1, 3 and 5 respectively to discuss the submissions from main spending units and the officers' comments and recommendations. The papers (5/126/1 and 5/126/2) are available for consultation in School Offices; the report given below highlights the main points discussed by Senate and Council and changes made to the University Plan.

Senate discussed the Science Area proposal to close the Logic and Scientific Method and History and Social Studies of Science Subject Groups. Reference was made to ways in which these courses met the founding principles of Sussex and after a long debate, the proposal was rejected on academic grounds by 61 votes to 28. It was noted that changes in the Science Area plan would have to be made as a consequence of that decision.

The Centre for Continuing Education will have a reduced budget but both Senate and Council expressed the hope that its present high level of activity should be maintained.

STAFFING PROJECTIONS

TABLE I

<table>
<thead>
<tr>
<th></th>
<th>In post at February 1, 1982</th>
<th>University Plan Proposal 1983-84 based on current financial assumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>239.5</td>
<td>67</td>
</tr>
<tr>
<td>Science</td>
<td>191</td>
<td>55</td>
</tr>
<tr>
<td>Education</td>
<td>24.5</td>
<td>9</td>
</tr>
<tr>
<td>CGS</td>
<td>14.5</td>
<td>3</td>
</tr>
<tr>
<td>Other Acad.</td>
<td>14.5</td>
<td>2</td>
</tr>
<tr>
<td>Comm. Serv.</td>
<td>8</td>
<td>18</td>
</tr>
<tr>
<td>Counselling</td>
<td>10</td>
<td>13</td>
</tr>
<tr>
<td>Library</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>Computing</td>
<td>13</td>
<td>11.5</td>
</tr>
<tr>
<td>Admin.</td>
<td>49</td>
<td>48</td>
</tr>
<tr>
<td>Premises</td>
<td>5</td>
<td>177</td>
</tr>
<tr>
<td>Misc.</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>597.5</td>
<td>270.5</td>
</tr>
</tbody>
</table>

TABLE II

In its discussion of the University Plan, the Council agreed that in order to reach the required lower staffing numbers, staff in certain categories will be asked whether they wish to leave the University on special terms. These special terms would be either a severance payment or, for those over 50, early retirement with maximum benefits. The categories of staff are faculty, technicians and porters, where the expected number of normal resignations and retirements will be less than the required reduction. In other categories of staff where reductions are necessary, i.e. other manual and ancillary staff, clerical and related staff, it is expected that the reductions will be achieved by normal resignations and retirements.

For legal and financial reasons the reductions have been called redundancies, but it is hoped that all the reductions will be met by voluntary means and that compulsory redundancies will be avoided. All enquiries and applications to leave on these special terms will be treated in the strictest confidence and should be sent to the Finance Officer by April 30, 1983.

THE BULLETIN

The Bulletin is published fortnightly during term-time by the Information Office for the information of members and employees of the University.

Signed articles reflect the views of the author and not the University. Contributions to The Bulletin are welcomed. If you have any news items, feature articles, information or anything else you would like to see appear in The Bulletin, please contact Jennifer Payne or Janet Stevens, Room 315, Sussex House (Int. tel. 05-140).

The next issue will be published on Tuesday, March 2 and copy for inclusion should reach the Information Office by noon on Tuesday, February 23.

Extracts from The Bulletin may not be published without the Information Officer's permission.

Printed by the University of Sussex Printing Unit.
indicated his wish to appeal and the penalty imposed by the Panel will not be implemented pending that appeal.

Of the 13 other students, two were expelled and one suspended for the rest of the session. Four students were fined and six given reprimands. Those penalties may also be the subject of appeal.

On February 11, the Students' Union voted to occupy a 'key university building' in support of demands which include the 'removal of all convictions by the SDP this term, the abolition of the SDP, an emergency Senate meeting to discuss the issue of discipline.',

The Senior Common Room was occupied; as a result all Refectory services were closed down and staff sent home. On February 12, the occupation moved to Arts D and work in this building ceased.

As most Refectory staff had been advised, prior to the change in the occupation venue, not to come in to work only a limited service could be provided.

**IN BRIEF**

**UNIVERSITY ACCOMMODATION APPLICATIONS 1982-83**

Students who wish to apply for university-owned accommodation either on or off campus for next year, should do so at the accommodation office, 1st Floor, Refectory Building, any time between now and the closing date of March 5. Applications received after this date will have no chance of success unless they are special cases.

The accommodation office will inform students whether or not their applications have been successful as soon as possible after the Easter vacation.

**KULUKUNDIS GROUP ANNUAL GENERAL MEETING**

Monday, March 1, 5.00 p.m.
Kulukundis House.

It is hoped to have a speaker from the National Bureau for Handicapped Students. Wine and cheese. All welcome. Further details from Ann Eyles, Welfare Officer, Students' Union, Falmer House.

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**LENT AND T.S. ELIOT**

by Stephen Medcalf
Thursday, 4.30 p.m. Meeting House

February 28: The word in the desert: The Journey of the Magi
March 4: To turn again: Ash Wednesday
March 11: Will and time: Four Quarters
March 18: To the end of time: Little Gidding and The Cultivation of Christmas Trees

**UNIVERSITY/BBC RADIO BRIGHTON PROGRAMMES**

"Should parents be seen and not heard?" is the subject to be considered by Mrs. Julia Knight and Dr. Michael Eratu in tonight's programme in the series "Opportunities in Education" presented by the University in collaboration with BBC Radio Brighton.

The final programme of the series will be broadcast on February 23 and will take the form of a panel discussion in which listeners' questions will be put to a panel of experts.

Programmes are broadcast on Radio Brighton at 18.05 on Tuesdays and repeated on the following Sunday at 14.50.

**BILL POSTING**

BLU TACK has been the approved medium for affixing posters, etc. to walls in the past few years. Regrettably, it has been found that when BLU TACK is placed on face brickwork and concrete, and is not removed when the poster is taken down, the surface dries out the BLU TACK which is then difficult to remove.

In view of this, the use of masking/drafting tape or similar is to be encouraged in the future to fix posters, etc.

J. Warton
Buildings Surveyor

**NON-ACADEMIC VACANCIES**

There are no non-academic vacancies for inclusion in this issue.

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**CENTRE FOR CONTINUING EDUCATION**

**WEEKEND SCHOOL**

Quartets with the Chillingrian (in collaboration with the Gardner Arts Centre). March 12 - 14 at the White House, Isle of Thorns, Chelwood Gate. (Closing date for applications: February 19.)

**DAY SCHOOLS**

To be held at the University in the Education Development Building:

March 6 HISTORIC LANDSCAPES
(Tutor: Sue Farrant)

March 13 ENERGY - THE DAY AFTER TOMORROW (in conjunction with the Tocal branch of the United Nations Association).

Further details of these and other courses from the Centre for Continuing Education, Education Development Bldg.

**PROFESSORIAL INAUGURAL LECTURE**

PSYCHOLOGY & ECONOMIC LIFE: The Human Factor in Institutional Performance

Alistair Chalmers, Professor of Social Psychology

Thursday, February 25, 6.30 p.m.

**SUSSSEX EDUCATION SOCIETY OPEN LECTURE**

ADULT & CONTINUING EDUCATION - Signposts for the Future

Speakers and panel discussion, including Professor E.M. Epstein and Professor Christopher Freeman.

Wednesday, February 24, 6.30 p.m.
Lecture Theatre, Education Development Building.

**SMALL ADS**

**SALE OF UNIVERSITY MATERIALS SURPLUS TO REQUIREMENTS**

PVC (plastic) corrugated sheeting, suitable for lean-to/greenhouse roofing or similar. Secondhand but in good condition. Size of sheet: 3' 8" x 2' 6" wide at £1 per sheet (£3 in the shops). Special fixing screws for same at 2p each. Please contact John Warton, Buildings Surveyor, Estates Building (Int. tel. 09-477).

**LESSONS IN WRITTEN ENGLISH**

Lessons in written English for overseas students are available from Alan Stevens, BA, PGCE, 26 Lorna Road, Hove, BN3 3EN. Tel. 735960.
IN BRIEF

VIRGINIA WOOLF EXHIBITION

To mark the centenary of Virginia Woolf's birth a small exhibition of documents from the Monks House Papers has been arranged in the new exhibition hall in the University Library where it will be on view until February 25.

BARLOW COLLECTION

Dr. John Sweetman, the Curator of the Barlow Collection of Chinese ceramics, jades and bronzes will give two lectures this term on the invention of porcelain. Part I will be on Tuesday, February 23 and Part II on Tuesday, March 16. Both lectures will start at 1.15 p.m. in the Barlow Gallery, which is adjacent to the University Library entrance.

A reminder that it is now possible to view the Collection on Tuesday and Thursday lunchtimes between 11.30 a.m. and 2.30 p.m.

COMMONWEALTH UNIVERSITIES

The 25th edition of the List of University Institutions in the Commonwealth, which gives the full postal addresses and names of senior officers of commonwealth universities, is available from the Association of Commonwealth Universities, 36 Gordon Square, London, WC1H 0PF. Please enclose a stamped addressed envelope 11 x 22 cm for single copies; orders for larger quantities will be charged at cost price.

EXHIBITION - ELECTRICITY IN BRIGHTON 1882 - 1906

The Foyer, Brighton Polytechnic, Grand Parade, Brighton.

February 18-27, Mon.-Fri. 8 am - 5 pm
Sat. 9 - 11.30 am. Closed Sunday.

Brighton had the first permanent public electricity supply in Great Britain and Europe, and probably the world. On February 27, 1882, electric light was supplied, by the Hamond Electric Light Company, to six customers using 16 arc lamps. A public supply has been provided ever since. The exhibition provides a visual survey of the contribution of entrepreneur Robert Hamond and engineer Arthur Wright. Items from Seeleboard's Milne Museum, Tonbridge, will also be on show.

PEOPLE

ARCHBISHOP

Father Maurice Couve de Murville, who was Roman Catholic Chaplain at Sussex from 1961-77, has been appointed Archbishop of Birmingham by the Pope.

ROYAL SOCIETY

Professor Alan Johnson, Chemistry, has been appointed a Vice-President of the Royal Society until November 30, 1982.

PROFESSOR EPEL

Professor E. M. Epel, Director of the Centre for Continuing Education, has recently been elected a Fellow of the Royal Society of Arts.

SAVING ENERGY SAVES £'s

454% SAVING - EQUIVALENT IN 1980-81 TO £240,000

315% SAVING - EQUIVALENT IN 1980-81 TO £16,250,000 Kw HOURS

70-71 usage

ENERGY INPUT PER m²

25%

1970-71

MAIN SITE (EXCLUDING RESIDENCES)

ENERGY INPUT & COST PER m²

1980-81
LATEST RESEARCH GRANTS

Research grants totalling £861,359 have been awarded to the University since November 1981. They include:

**BIOCHEMISTRY**

£8,875 from Pfizer Ltd. for a post-doctoral fellow to work with Dr. M. Wallis.

**BIOLOGY**

£19,785 (1½ years) from The Wellcome Trust for research on the Anophelinae of Africa South of the Sahara (Ethiopian Zoogeographical) under the direction of Professor R.J. Andrew.

£32,271 (3 years) from the Science and Engineering Research Council for studies of the functions of inter-neurones in the snail feeding system under the direction of Dr. P.R. Benjamin.

£11,140 (1 year) from the British Technology Group for research into nitrogen fixation gene cloning under the direction of Dr. F. Cannon.

£12,075 from the Royal Society for studies on development and cultural transmission in bird song under the direction of Dr. P.J.B. Slater.

**BIOMEDICAL ENGINEERING**

£34,421 (2 years) from the Department of Health and Social Security for the development of novel urinary incontinence appliances under the direction of Dr. A.M. Cottenden.

**CHEMISTRY**

£1,500 from I.C.I. for the study of thermal stability of polyesters under the direction of Dr. N.C. Billingham.

£3,770 (1 year) from Tate & Lyle for research student support awarded to Dr. P. Calvert.

£3,150 from the SERC for research into microgropy of water diffusion in epoxy resins under the direction of Dr. P.D. Calvert and Dr. N.C. Billingham.

£1,800 (3 years) from Bush Boake Allen for research into catalysts for antimarkovnikov hydration of styrene under the direction of Professor Sir John Cornforth.

£1,206 (3 years) from I.C.I. for studies of the structural requirements of the Gibberellin plant hormones under the direction of Dr. J.R. Hanson.

£40,901 (3 years) from the SERC for research into sesquiterpenoid biosynthetic intermediates under the direction of Dr. J.R. Hanson.

One of the areas of research on which I.C.I. is well-known is that of biological chemistry. In Molecular Sciences there are several groups working in this area. Dr. R. Barter's group is studying the chemistry and biosynthesis of terpenoids and steroid natural products. Amongst the compounds currently under investigation are the gibberellin plant hormones and a number of sesquiterpenoids produced by fungi.

The grant which has recently been made by the Science and Engineering Research Council, is to continue some studies on the sesquiterpenoid metabolites of the Basidiomycetes - a group of fungi which include many of the common 'mushrooms' and wood rotting fungi. A number of these metabolites have attracted attention because of their biological activity. Although these compounds have quite diverse structures, it is not impossible to see some features which suggest similarities in their origin.

In elaborating compounds of this type nature utilises some quite simple 'building blocks' in a chemically very interesting way. The object of the research is to delineate the pathway by which these compounds are built up (biosynthesized) in the fungal system to provide experimental evidence to support the speculations on their origin.

The work involves the use of various isotopically labelling techniques including deuterium and carbon-13 nmr spectroscopy in a combination of microbiological, chemical and spectroscopic experiments. The results should shed some further light on the types of chemical reaction involved in the formation of this rather large family of compounds.

£72,000 (3 years) from the SERC for high resolution infra-red studies of unstable and reactive species under the direction of Dr. H.W. Kroto.

In most chemical reactions, starting materials are transformed into end-products by a series of steps which involve unstable intermediates. These are molecules which possess only fleeting existence, perhaps lasting for only 1/1000 - 1/1,000,000 seconds. Such intermediates are important in, for instance, the combustion of fuel, the production of plastic and other synthetic materials and the formation of pollutants in the atmosphere.

To solve associated problems, the processes must be understood and the intermediate species detected, identified and their properties determined.

The Science and Engineering Research Council has made funds available for the purchase of a recently developed very high resolution infra-red spectrometer capable of carrying out such studies. The instrument will utilise recent advances in laser alignment techniques and computer analysis.

Problems associated with the synthesis of new compounds and the formation of organic molecules in space and probiotic systems are to be tackled.

£86,250 (3 years) from the SERC for synthetic and structural mechanistic studies in organometallic and inorganic chemistry under the direction of Professor M.F. Lappert.

£98,000 (2 years) from the SERC for research into mass spectrometry using desorption chemical ionisation fast atom bombardment and electron impact sources under the direction of Professor F. McCapra and Professor M.F. Lappert.

**ELECTRONICS AND COMPUTER SCIENCE**

£158,360 (3 years) from the SERC for research into decentralised resource management in a tightly-coupled multiprocessor computer system under the direction of Professor R. L. Grimsdade and Dr. F. Malsall.

**EXPERIMENTAL PSYCHOLOGY**

£21,518 (2 years) from the Social Science Research Council for research into working memory and inference under the direction of Professor P.N. Johnson-Laird and Ms. T.J. Oakhill.

**HUMAN GEOGRAPHY**

£18,783 (2 years) from the SSC for research into a modern industry in a declining region: electrical
The regional problem is generally thought of in terms of the contraction of traditional industries such as coal and steel. While this has certainly occurred in South Wales, it is less well-known that many private sector plants in modern industries have suffered equally in the last 15 years. Many of these plants were beneficiaries of government regional aid and indeed were seen as the solution to the regional problem.

By focusing on one modern sector, electrical engineering, Dr. Sayer and Dr. R. Morgan will examine and attempt to explain the differences in the performance of the plants in South Wales, and evaluate their contribution to regional development. Particular attention will be paid to the quantity and quality of employment, the organization of the production process and the advantages and disadvantages of operating in a traditional industrial region.

**INTERNATIONAL RELATIONS**

£1,000 from the Japan Foundation Endowment Committee for research on the war diary of the German Naval Attaché in Japan under the direction of Dr. J.W. Chapman.

**MECHANICAL AND STRUCTURAL ENGINEERING**

£10,000 (1 year) from the United States Government for research into shock loading of journal and squeeze-film bearings under the direction of Dr. B. Holmes and Dr. B. Roberts.

**PHYSICS**

£1,549 from the SERC for a visiting fellow to work with Dr. D.S. Betts.

£28,972 (18 months) from the SERC for an investigation of the limit of flux and energy sensitivity in superconducting quantum (Squid) magnetometers under the direction of Dr. T.D. Clark.

£1,500 (3 years) from Phillips Research Laboratories for a Case award to T.D. Clark.

£2,713 from the SERC for spectroscopic studies of oriented nuclei under the direction of Dr. N.D. Hamilton.

£5,485 from the United Kingdom Atomic Energy Authority for straggling studies at Daresbury under the direction of Dr. M.W. Lucas.

£1,975 (15 months) from the SERC for bridging salary for an electronic technician working to Dr. G. Martelll.

**SCIENCE POLICY RESEARCH UNIT**

£2,950 from the Nuffield Foundation for research into technical change and public policy in relation to the semiconductor industry under the direction of Professor C. Freeman.

£8,250 from The Leverhulme Trust to unify and up-date research on international nuclear power under the direction of Mr. G.S. Mackerron.

£1,000 from Stockholm International Peace Research for 'state of play' report on what is happening in chemical warfare under the direction of Mr. J. Perry Robinson.

£19,300 (4 years) from The Monument Trust for job creation (project undertaken jointly with Imperial College) awarded to SPRU.

£19,910 (15 months) from the Manpower Services Commission for work on monitoring new technology and its employment and skill implications under the direction of Mr. P.J. Senker.

**SOCIAL ANTHROPOLOGY**

£1,630 from the SSRC for workshops on local labour markets and stagnation under the direction of Professor P. Lloyd.

**SUSSEX EUROPEAN RESEARCH CENTRE**

£12,500 (16 months) from the Schools Council for 'Europe in the curriculum' conference, under the direction of Dr. I. Goodson.

£17,000 from the European Commission for research on the implications for the Mediterranean region of the southern enlargement of the European Community to include Spain and Portugal, awarded to the Sussex European Research Centre.

The above grant is for the co-ordination of a study in co-operation with three other institutes - the German Development Policy Institute in Berlin, the University of Asia in France and the University of Naples. Dr. Peter Holmes is engaged on the research which began last month and lasts until November.

£7,350 (9 months) from the European Cultural Foundation to enable Mr. Joao Rendeiro to complete research on his thesis on the Machine Tool Industry in western Europe, awarded to the Sussex European Research Centre.

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**BOOK SALE**

**BOOK BARGAINS**

**BOOK BARGAINS**

**BOOK BARGAINS**

**BOOK BARGAINS**

Some highlights of our Academic Book Sale:

**THE ENGLISH AUDEN**: Poems, Essays and Dramatic Writings 1927-1939. Edit. E. Mendelson. Reduced from £8.95 to £3.00.

**ONE-WAY STREET** by Walter Benjamin. From £10.75 to £4.50.

**THE OXFORD COMPANION TO LAW** by D.M. Walker. From £20.00 to £19.95.

**ORCHIDS OF BRITAIN** by D.Lang. From £9.50 to £4.95.

**THE COLLECTED CORRESPONDENCE OF J.M.W. TURNER**. From £16.00 to £7.95.

**SIR LESLIE STEPHEN'S MAUSOLEUM BOOK**. From £5.00 to £2.50.

**THE LETTERS OF WILLIAM BLAKE WITH RELATED DOCUMENTS**. From £18.50 to £10.50.

**PERCEPTION: THE WORLD TRANSFORMED** by L. Kaufman. From £6.95 to £3.95.

**HISTORICAL ENCYCLOPAEDIA OF WORLD WAR II**. From £15.00 to £10.00.

**A HISTORY OF SOVIET RUSSIA** by E.H. Carr. In 14 vols. From £175.00 to £85.00 for the set.

Plus many more titles on sale from now until the end of term. R.R. Publishers' stocks are limited: all the above are offered subject to availability. DON'T DELAY YOUR VISIT TO:

**SUSSEX UNIVERSITY BOOKSHOP**
**GARDNER ARTS CENTRE**

It may seem as if the theatre is 'dark' from February 21 to March 6, but in fact there will be more events actively involving the public than at any time in our recent past.

The chamber group GEMINI, directed by Peter Miegold, will be in residence, leading hundreds of people from the local community gently and with a great sense of fun into creating their own music. Schoolchildren, music students, local players and composers and anyone with an interest in music will find workshops geared to their needs, and performances of their work promised in the final concert.

The residency opens in style with a concert by GEMINI on Sunday, the 21st, which, as well as works by Stravinsky and Berio, includes four works by Sussex composers, four works specially written for Gemini and two first performances. One of the first performances is a work for solo cello by the University's Professor of Music, Jonathan Harvey. Children from five schools will be attending workshops and South Malling school will have extended sessions with the group to create a music theatre piece for the final concert. Music students from the University and Polytechnic will also be working on music theatre.

Any member of the public (not children) may participate in workshop sessions on February 22, March 1 and 5 at 7.30 p.m. There is a registration fee of 75p (£1.50 for all three) and you can register on the night.

The final day (March 6 at 5.30 p.m. - admission free) brings a lecture by ANTHONY GILBERT on his work. He has written a piece called "Calls around Chungmor" which has a part for everyone, including the audience. It will be performed in the final concert at 7.45 p.m. along with three new works by local composers and the workshop participants' pieces.

This is music by the community for the community - a very exciting innovation in our programme, co-funded by us with the Tippett Foundation and South East Arts. It is a pilot scheme which will be extended round the South and hopefully return to the Gardner Centre again in the future if it is successful. Do help to make it a success by coming to the concerts (special reduced prices for a combined ticket to both) and taking part in the workshops. All you need is an interest in music - no previous experience, although if you play an instrument, do bring it along.

So don't think we're closed - we're more open to the public than usual!

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**LUNCHTIME EVENTS**

**Thursday Lunchtime Recitals**
1.15 - 2.00 p.m.
February 18 Karen Brass (piano) (1981 SEA Young Musician)
Gardner Centre. Admission: 80p (60p students and cardholders)
February 25 John Birch (organ, piano)
Sue Mileham (soprano)
Meeting House. Admission free.

The Sussex Trugs play traditional/mainstream jazz every Friday lunchtime, 1 - 2 p.m. in the Group Music Practice Room, Gardner Centre. Audience invited to bring lunch, listen, or wander in and out. Admission free.

**Concert of Student Compositions**
1.15 p.m. February 19
Gardner Centre Theatre.

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Valerie Thackeray
Concert Organiser