NO CLOSURE ON AUT PROTEST DAY

The University will remain open on Wednesday November 16, the day chosen by AUT members for a national meeting and Parliamentary Lobby in London. A request was made by the AUT that the Vice-Chancellor should close the University on that day. The Vice-Chancellor has sent the following letter to Areas and Heads of Units.

"The AUT has informed me that a national meeting of its members together with a Parliamentary Lobby is to be held in London on Wednesday November 16 in connection with the AUT's current salary negotiations and partly with the financial situation affecting universities. The AUT has asked me to consider closing the University on that day or at least to make other arrangements so that members of the AUT can attend the meetings in London.

"I have made my view on the adverse effects of the current financial situation on universities known through the Committee of Vice-Chancellors and Principals and through the columns of The Times, but I believe that it would not be appropriate to close the University. The AUT meetings in London are primarily concerned with salary negotiations for one category of University employees, whereas the University has a responsibility to ensure that facilities are available to its students and to all its staff, most of whom are not members of the AUT, including those members of faculty who elect not to participate in the meetings in London.

"Whilst the University will not be closed on November 16, the conditions of service of members of faculty do not specify hours of work but it is expected that the duties of their posts will be carried out, whether such duties are written (e.g. in the Organisation of the University or Structure of the Administration) or implied (e.g. by custom and practice).

"Members of faculty who do not make arrangements to perform their duties at an alternative time are reminded that it is normal employment practice for pay to be forgone when labour is withdrawn in furtheance of a dispute. Such members of faculty are expected to inform the Finance Officer so that the appropriate salary deduction may be made. Heads of units and sections are asked to ensure that my view is known to all concerned.

"With regard to the merits of the AUT's claim, I would wish to reiterate the view which has been strongly expressed by the Committee of Vice-Chancellors and Principals that the salary anomaly should be rectified at the earliest opportunity and I hope that H.M. Government may be persuaded to accept this view."

SPC Talks

The Vice-Chancellor and other members of the Students' Progress Committee met representatives of the Students' Union last week. The meeting was called to discuss the Union's demands, agreed at an Emergency Union General Meeting on October 18, concerning the Committee's procedures. More than 100 students picketed a meeting of the Committee on October 19 and presented a petition bearing 1100 signatures to the Committee.

The Union's demands include:
- uniform criteria for inclusion on the VC's list
- fair appeals procedures
- student observer status on the Committee
- Committee meetings to be held during term-time
- right of appearance or representation of students.

The Union decided that the full list of proposals should be put to the Senate at its meeting next week.

1978 Admissions

Preliminary indications are that applications for admission to undergraduate courses in 1978 are showing a significant increase over 1977. Nationally applications have risen by around seven per cent; at Sussex they have risen by 12 per cent.

BURSAR TO LEAVE

Mr. John Mangold, Bursar of the University since 1964, is to take up an appointment with the University of Jos, Nigeria. He will be leaving Sussex during December.

Mr. Mangold was first appointed as Planning Officer to the University in July 1963 and was appointed Bursar in the following April. Dr. Brian Young, lecturer in Mechanical and Structural Engineering, is also bound for Nigeria. He will take up the post of Professor of Structural Engineering and Dean of the Faculty of Technology at Bayero University, Kano, in January 1978.

Dr. Young who until last year was the Vice-Chancellor's Adviser on Community Relations, will be seconded to Bayero for a period of four years in the first instance.

The Information Office welcomes items for The Bulletin. Anyone with news items, contributions, information or anything they would like to see appear in The Bulletin should contact Jennifer Payne, Room 306, Sussex House (ext. 05-123).

The next issue of The Bulletin will be published on Tuesday, November 15, and copy for inclusion should reach the Information Office in Sussex House by noon on Wednesday, November 9.
Building News

New research buildings

Following the completion of Stage II of the Research Building in May, work began during the summer vacation on a new Thermo-Fluid Dynamics Research Centre with money provided by the Science Research Council. It will house a unit under Professor Fred Bayley. Both buildings were designed by the Deputy Bursar & Architect & Engineer, Mr. J.A. Thomas.

Yet a further research building is now firmly in the building programme: the University has agreed to finance a building to provide permanent and improved accommodation for the Medical Research Council's Cell Mutation Unit, up until now located in Terrapins. This welcome addition to our Science space is in the first stages of planning, Mr. Thomas again acting as architect.

Social accommodation

Another summer job was the conversion of the remaining Park Houses to gas-fired central heating, finally replacing the costly electrical systems originally installed. This means that all the University's residential accommodation on campus is properly centrally heated.

The architects, Chippen, Randall & Parkes, have virtually completed the working drawings for the East Slope Social Centre and it is hoped to obtain tenders within the next month or two. The design approved by the project team involves a rear house with pitched roof, and will be something of a departure from the existing styles, though it has been designed to complement the East Slope housing, to which it will be adjacent.

The building will be on two distinct levels with separate entrances for children, who will occupy the upper floor, while the lower floor will comprise bar and social space.

Legal problems have seemingly delayed progress on the Housing Association scheme which has been discussed during the past year, but in fact a lot of progress has been made and we hope to complete these negotiations very shortly with the signing of a sub-lease.

This will permit the Kelsey (formerly New Colborne) Housing Association to build 363 residential units, grouped in six-person, 4-person, 3-person and 2-person flats, as well as a number of single bed-sitting rooms, of which 30 bed-sitters will be let to non-university nominees of Brighton Borough Council. The scheme designs have been approved and, once the legalities are settled, working drawings will commence.

Safety

An unexpected grant of £30,000 from the University Grants Committee means that we shall now be able to carry out some of the many improvements to buildings needed to comply with the various pieces of safety legislation recently passed and already identified by the University Security Committee.

Refuse transfer station

On the external front, pressure from the University and other groups seems to have been successful, at least for the time being, in deferring a decision on the siting of the proposed refuse transfer station which, it will be remembered, was proposed immediately opposite the University's main entrance. Further up the road, we expect work on the Falmer diversion of the A27, which involves the creation of a new main vehicular entrance to the University, to get under way in earnest during the next few months.

John Mangold
Bursar

Summer Conferences

During the 1977 summer vacation a larger number of visitors attended conferences and courses held at the University than ever before.

Broadly speaking they fell into three groups - delegates for professional, educational or social conferences; students of the Open University or enrolled in courses of study - mainly language courses; and thirdly, holiday visitors occupying self-catering flats.

Perhaps the most important conference in the first group was the meeting of the Council of Local Education Authorities with East Sussex County Council as host. This meeting was opened by the Vice-Chancellor and attended by the Secretary of State, Mrs. Shirley Williams.

Other conferences of particular note were organised by the Institution of Electrical Engineers, the Institute of Physics and the Institute of Mathematics and its Applications.

Several of the conferences saw Sussex members of faculty in an organisng capacity covering a wide range of subjects. To name a few: Science & Technology and a European Dimension (CCES); The Mechanics of Learning & Motivation (Experimental Psychology); Inorganic Biochemistry Discussion Group (UNF), Safety in Universities and Preliminary plants (various University staff involved in safety); Environmental Management by a Group (School of Biological Sciences); Shakespeare Conference (CCE).

Most prominent in the second group was the Open University Summer School involving six courses: Social Psychology, Social Psychology, Economy, Education, Art and Architecture, and Art and Architecture. Language Schools and courses included Dr. Lüb's Summer Seminar for German and French speaking students, those organised by the Overseas Relations Office, and by private organisations - the Language Tuition Centre, S.I.S., and Inlingua.

Holiday visitors, many from Europe, rented University flats on and off campus for self-catering holidays. In all, lettings totalled 432 flat weeks out of a total available of 470 - about 92 per cent and paid in excess of £25,000 (exclusive of VAT).

There were 49 residential conferences and courses ranging in numbers of persons from 20 to 1,900 (not all at once) and five non-residential meetings. They brought the gross conference turnover for 1976/77 to £200,000 including bar takings.

These earnings involved a lot of work, particularly for the staff of the Catering Department, the residences and the Conference Office, but they also paid a lot of wages and salaries.

Many visitors expressed appreciation of the help received from members of the University, even in such a small way as directing them around the campus. This type of assistance and a general air of welcome is enormously appreciated by strangers as well as by the staff of the Conference Office.

Colin Hill
Business Manager

PHOTOGRAPHIC EXHIBITION ON WEST AFRICA

"Food Production and Marketing in West Africa" is the main theme of a photographic exhibition which is now on view in the Geography Laboratory on the ground floor in Arts C.

The display, which is by J.A. Binns and G.P. Hollier, is divided into two sections: Food crop production in Sierra Leone, and Marketing of Foodstuffs in West Cameroon. The exhibition is based on research done in Sierra Leone by Mr. Binns and in West Cameroon by Mr. Hollier.
# NEW RESEARCH GRANTS MADE

Research grants totalling almost £1 million have been made to the University over the summer. Details of the grants and notes on some of the projects are set out on the following pages.

A soil microorganism found in many woodland habitats will be helping Sussex scientists to answer one of the fundamental questions of Molecular Biology - where do cells begin to make their DNA? It is thought that it is only at precise points on the centimetre-long double helix of DNA that synthesis begins. The difficulty lies in identifying and isolating these points.

Professor Sydney Shull has just received a £32,027 grant from the Medical Research Council to investigate this problem using a slime mould, Physarum. At one stage of their life cycle, cells of this organism band together to form a single large cell containing many nuclei. These nuclei are synchronous, all making their DNA together. It is this situation that will enable Professor Shull to extract and analyse the initiator fragments of DNA.

The manufacture of DNA is held to be one of the seminal events in cell growth. Thus this research will widen our knowledge of the growth of cells and will aid the analysis of disorders of cell growth, such as cancers.

Dr. Dennis Schulster is working on the isolation of Corticotropin releasing hormone (CRH), which is produced in minute amounts in certain regions of the brain. It is secreted by the hypothalamus and travels via specific blood vessels to the pituitary situated at the base of the brain. There it stimulates the secretion of moderate amounts of another hormone (ACTH) which in turn is distributed by the blood and activates the production of relatively large amounts of steroid hormones by the adrenal gland. These steroids have very general metabolic effects throughout the body.

CRH thus plays a key role in this hormonal control system and is a primary link between the brain and cellular functioning throughout the body. The structure and nature of CRH is as yet unknown. This

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<td>Royal Society - Paul Instrument Fund</td>
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<td>Dr. M. W. Lucas</td>
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Science Research Council

| Dr. N. C. Billingham         | 10,977 |
| Dr. P. D. Calvert            |     |
| Professor D. F. Brewer       | 3,590 |
| Dr. T. S. Collett            | 16,085 |
| Professor Sir John Cornforth | 23,710 |
| Professor C. Eaborn          | 4,350 |
| Mr. J. D. Edwards            | 4,150 |
| Dr. P. Lindon                |     |
| Dr. G. Williams              | 13,900 |
| Dr. J. R. Hanson             | 9,750 |
| Dr. R. A. Jackson            |     |
| Dr. A. J. McCaffery          | 10,260 |
| Dr. G. E. G. Martelli        | 1,305 |
| Dr. G. E. G. Martelli        | 13,181 |
| Dr. G. E. G. Martelli        | 14,543 |
| Professor L. Mestel          | 18,900 |
| Professor R. J. Tayler       |     |
| Professor L. Mestel          | 26,530 |

(2 years) for an investigation on insect prothoracicotropic hormone using cultured prothoracic glands. (3 years) for Peptide Hormone identification and assay. (2 years) for Falling rolls in Secondary schools. (3 years) for Physical isolation of the DNA region of the eukaryotic genome in which DNA replication is initiated. for Superconducting quantum interface devices. for Development co-operation on low-cost display monitors. for Current policy on armaments. for the construction of an instrument suitable for measuring the velocity distribution (angle and speed) of electrons emitted following the interaction of high velocity ion beams with solid (or gaseous) targets. for Distribution and Move. for Development of an encapsulated JHE melting curve thermometer for Millikelvin temperature. for Distance estimation in insects and amphibia. for Synthesis of Enzyme Analogues. for Applications of Organo Silicon and Tin Compounds. for Linear reluctance machines for traction of suspension of guided vehicles. for Laser assisted-energy transfer in molecules. for Senior visiting fellowship (Dr. L. Branka) for "Aum" Rocket Campaign for GEOS Collaborative Programme. for Optical speleoendoscopy of extra-galactic objects. continued overleaf
project sets out to isolate CRH from very large numbers of porcine hypothalami and identify its structure. It involves the use of large-scale extraction procedures and suspensions of isolated pituitary and adrenal cells. A knowledge of the structure of CRH will be of direct value for medical and clinical diagnostic purposes.

The way the Government allocates hundreds of millions of pounds to big science projects is being examined by the Science Policy Research Unit. Dr. R. E. Turner, Dr. R. J. B. Dombey and Mr. K. L. R. Pavitt are investigating the criteria used in the U.K. in allocating resources to basic sciences and the extent to which the resulting programmes and projects in fact meet the criteria.

This project will concentrate on six Centres of the Science Research Council, which account for a significant proportion of total Government expenditure on basic science, and which, because of the small number involved, enable comprehensive coverage to be achieved. They are the three high energy physics laboratories (Daresbury, Rutherford and CERN) and the three astronomy centres (Jodrell Bank, the Mullard Laboratory and the Royal Greenwich Observatory).

An assessment of the intrinsic, educational and technological benefits of the research programmes of these Centres will be undertaken. The origins and justifications of the Centres will be identified and compared with this assessment. Recent proposals to create new Centres will also be discussed in the light of the assessment.

The Royal Society has recently announced the 1977 awards from the Paul Instrument Fund. Dr. M. W. Lucas, Lecturer in Experimental Physics, has been granted £21,816 for the construction of an instrument suitable for measuring the velocity distribution (angle and speed) of electrons emitted following the interaction of high velocity ion beams with solid (or gaseous) targets. The new high resolution instrument will be designed by W. Steckelmacher, who will also conduct experiments using a high energy ion beam from the University's Van de Graaff Accelerator. One use of the instrument will be in a more detailed investigation of the phenomenon of electron ejection at a velocity equal to that of the incident ion beam, an effect first observed in 1970 by a

Dr. M. G. Richards
Professor R. J. Taylor
Dr. J. D. Thomas
Dr. F. McCapra
Professor M. W. Thompson

Secretary of State for Industry
Science Policy Research Unit
Social Science Research Council

Dr. F. P. Johnson-Laird
Dr. R. E. Turner
Dr. N. D. Dombey
Mr. K. L. R. Pavitt
Professor R. A. Becher
Dr. M. R. Erath

United Kingdom Atomic Energy Authority

Dr. J. A. Venables
U. N. E. S. C. O.
Professor M. F. Lappert
Water Research Centre
Professor B. A. Bridges
World Health Organisation
Dr. J. D. Thomas

former Sussex research student,
K. G. Harrison.

Tests which simulate some of the features of meteor impact on the moon's surface have been conducted by Dr. G. Martelli and Dr. G. E. Newton in experiments to discover whether meteoritic impact can magnetise lunar rocks. Equipment carried on the Apollo moon missions has recorded a wide range of magnetic field intensities and orientations and it is a matter of controversy as to how the Apollo lunar basaltic became permanently magnetised, as the moon is now devoid of an adequate magnetic field.

New experiments by Dr. Martelli and Dr. Newton lend strong support to the possibility that the lunar rocks became magnetised by a shock process arising from meteoritic impact. To test their idea, they fired the tips of shaped high-explosive charges at terrestrial basalt samples, which they found at a quarry near Birmingham and which were chosen to be as close to lunar basaltic composition as possible. The experiments were carried out in a reinforced concrete bunker at an ammunition factory's proving grounds near Oslo, and the Sussex physicists found that the high-velocity impacts did, as they had hoped, produce a plasma at the basal surface, with an associated magnetic field.

OVERSEAS RELATIONS OFFICE

Brandeis University

Brandeis University at Waltham, near Boston, MA, offers scholarships under its Wien International Scholarship Programme to undergraduates who are single, aged 18-23, and have completed at least one year's study in a foreign university. Value is up to full costs, dependent on need, and competitive. Chances are however reasonable, given that Sussex is one of only a small number of universities worldwide which is being invited to submit applications, which should be obtained individually from:

Office of International Programs,
Brandeis University,
Waltham MA 02154 USA.

Closing date: February 1, 1978 for entry in Fall 1978.
Fellowships

NATO FELLOWSHIPS

NATO is to offer a limited number of research fellowships for the academic year 1978-79 to promote study and research leading to publication on aspects relevant to the Atlantic Alliance.

The fellowships are intended for scholars of established reputation. Subjects of research are within ten different areas, the subject with top priority being "The image of NATO in the public media of specific countries". Successful candidates will be awarded the equivalent of 23,000 Belgian francs per month, normaly for two to four months, and NATO will also pay air fares for approved travel necessary for the carrying out of the research. Further information and application forms are available from the Fellowships Department, The British Council, 10 Spring Gardens, London, SW1A 2BN. Closing date for applications is December 15.

LEVERHULME TRUST RESEARCH AWARDS 1978

The Leverhulme Trust is currently inviting applications for the following awards:

- Fellowships and grants: to assist senior persons pursuing investigations, particularly those who are prevented by routine duties or any other cause from undertaking or completing a research programme.
- Emeritus Fellowships: for those of or near retirement age to help in the completion and preparation for publication of research results.
- Faculty Fellowships in European Studies: to assist senior university staff in advanced study or research in Europe (outside the British Isles).

The closing date for the above three awards is December 1.

- Senior Studentships: to enable those who left university at least five years ago to return full-time preferably for a further degree.
- Overseas Studentships: for advanced study or research by UK graduates in a university in any part of the world (excluding UK, Europe and USA).
- European Studentships: for advanced study or research by UK graduates in a European centre of learning (excluding UK).

The closing date for applications for studentships is January 5, 1978.

Further information and application forms for the above awards are available from The Secretary, Research Awards Advisory Committee, The Leverhulme Trust, 15-19 New Fetter Lane, London EC4A 1NR.

LOST OR FOUND

The University has an established procedure for dealing with lost and found property.

Any person finding property, whether this be cash or goods of some sort, in circumstances which suggest that they have been lost by the rightful owner, should hand the goods or cash to the Senior or Duty porter in the nearest building. A record is kept in a special book at each Porter's Desk of all such articles handed in, the entry being signed by the finder, or other witness. If items lie unclaimed for more than about a week, they are then passed to the Assistant Estates Manager (Administration) (Mr. R. Chubb), who takes them on charge in his records.

Enquiries about lost property should be made to the Senior Porter in the building in which it is thought the property may have been lost or to Mr. Church in Sussex House, Room 214. Articles which still remain unclaimed for a period of more than four months are disposed of for charitable purposes.

Any person who has found and handed in an article or cash has every right to examine the records to ensure that the proper procedures have been complied with and that the property concerned has either been restored to its rightful owner or has been properly disposed of. Without this safeguard there must always be a danger of suspicions arising that the items concerned could have been misappropriated at some point along the line.

It is estimated that about half of all the property handed in is eventually returned to the rightful owner, yet there always remains a large amount of property and sometimes a substantial amount of cash which ultimately has to be disposed of for charitable purposes. Anybody who would like further information regarding lost property or the disposal procedures, should contact the Assistant Estates Manager in Sussex House (tel 05-149) who is responsible for operating the system.
The Oxford Playhouse Company return to the Gardner Centre for a two week season, opening on Monday next (November 7) with TEETH 'N' SMILES.

This play, billed intriguingly as a 'rock drama', was first produced by the Royal Court Theatre, where the RSC's Helen Mirren enjoyed a great personal success in the lead. It's author, David Hare, is a prolific and successful young playwright whose latest play is shortly to be produced at the National Theatre.

TEETH 'N' SMILES is set in the late sixties, and takes place on a warm summer night at a Cambridge May Ball; it is a study of a disintegrating rock group and, more than that, of a generation described by the Guardian after the play's first performance as "hovering uneasily between youth and middle age".

In their second week Oxford will bring Jane Asher and Noira Redmond with an entirely different company in C.P. Taylor's new play OPHELIA, which looks at the Hamlet saga from Ophelia's point of view in a similar, though basically quite different way from Stoppard's "Rosencrantz and Guildenstern Are Dead".

We are now booking for BALLET RAMBERT, and (music lovers' please note), for the ENGLISH CHAMBER ORCHESTRA concert on December 1. In the next issue I'll be writing about these and also the marvellous jazz evening we have lined up for November 30.

The Gallery kissed goodbye to their splendid Humphrey Spender exhibition at the end of October as it set off on a National Tour. Following it in, comes an exhibition of Peter Simpson's work. Very diverse - watercolours and oils - he paints in a highly personalised and accomplished way.

His paintings are full of nostalgia for the very recent past, which gives his work a rather special quality seeming to be a part of us all and yet, strangely, just out of reach.

Meanwhile, remembering the younger ones, don't forget that books are already coming on space for the Christmas show (THE GINGERBREAD MAN) which is already showing signs of being just as successful as its predecessors. If you want the best seats on the best nights you'd better do something about it now!

Nigel Stannard
Administrative Director

THE ROBIN LEE POETRY PRIZE
Robin Lee, who died in April 1975 at the age of 30, was successively an undergraduate, graduate student and temporary lecturer in English at Sussex. A gifted poet, he published two volumes of verse, and a selection of his previously uncollected poems (the View from John Keats) appeared recently.

Robin Lee's mother has generously offered a sum of money for the establishment of a poetry prize, to be awarded annually to an undergraduate of the University. For 1978, the prize will be £25, and the winning work (together with any suitable runners-up) will, with the writer's consent, be offered for publication in the South East Arts Quarterly.

It has been agreed that there shall be a set theme or topic each year. The topic for 1978 is 'A Celebration'.

All undergraduates are eligible to compete, and any number of poems may be submitted (whether separately or as a sequence), of any length but subject to a maximum of 200 lines in all. Poems shall be in English, and should be sent to Nancy Holmes, in Arts D, by May 15, 1978.

There will be a panel of adjudicators, consisting of Dr. A.T.R. Crockier, Dr. P. France, Mr. G.D. Josipovici, Professor L.D. Lerner, Mr. S.E. Medcalf, and Professor R.P.C. Mutter, and it is hoped that the award will be made soon after the beginning of June.

The 1977 prize was won jointly by John A. Baker of the School of European Studies and Justin Wren-Lewis of Cultural and Community Studies.

SELLA & AFTER
To mark 1500 years of the Anglo-Saxon heritage in Sussex three public lectures and an ecumenical service have been arranged for the evenings of November 10 and 11, by the Friends of the Library in association with the German Historical Institute in London.

The Rev. Dr. Gordon Huelin of King's College, London, will speak at a service in the Meeting House at 6 p.m. on November 10. This will be followed at 8.15 p.m. by a lecture by Professor Hayo Vierck of the University of Munster on "Migrations and Overseas Agencies of Cultural Change in Early England", an archaeological talk with historical perspectives.

There will be two lectures the following evening, November 11: Professor Reinhard Wenskus, University of Gottingen, will speak at 5 p.m. on Anglo-Saxon Settlements in Britain; and at 8.15 p.m. the Editor of the Sussex Archaeological Collections Dr. Peter Brandon, will speak on "The Landscape of Anglo-Saxon Sussex". Lectures will be held in Arts A Lecture Theatre and admission is free.

Cheryl Kennedy in "All Teeth 'N' Smiles"