GRADUATING IN STYLE!
A Sussex tradition of colourful and high profile Summer Graduation Ceremonies continued in July when Paul McCartney was among those awarded degrees.

The Chancellor of the University, the Earl of March, conferred more than one thousand degrees at the ceremony, held in the Brighton Centre on 12 July, including six honorary awards to figures from the academic, business and entertainment worlds.

The new degree of Doctor of the University (DUniv) was awarded to Paul McCartney, who has lived in Sussex for many years, and to Anita Roddick, who started the hugely successful Body Shop chain in Brighton, and is still based in Littlehampton, West Sussex.

The degree of Doctor of Science (DSc) was conferred on Professor John Maynard Smith, Emeritus Professor of Biology at Sussex and founding Dean of the School of Biological Sciences, Professor John West, Vice-Chancellor of the University of Bradford and founding Dean of the School of Engineering and Applied Sciences at Sussex, and Sir Trevor Holdsworth, President of the Confederation of British Industries and a former Chairman of GKN plc and of the Brighton Festival Trust.

Professor Martin Trow, Director of the Center for Studies in Higher Education and Professor of Sociology at the University of California, Berkeley, was awarded the degree of Doctor of Letters (DLit).

Paul McCartney shares a relaxed moment during the Ceremony with Sir Trevor Holdsworth

The attention of the world's media was focused on Sussex as Paul McCartney was presented for his honorary degree by the author Ian McEwan who was himself a student at Sussex in the late 1960s.

Ian McEwan spoke in his address of the influence of Paul McCartney and the Beatles on his generation and on the whole history of 20th Century music.

"His songs, like Cole Porter's, will come to embody an era and a generation," said Ian McEwan. "There can be little doubt that as long as popular music exists, the work of Paul McCartney and of Lennon and McCartney will continue to be played and re-interpreted."

Paul later spoke of his pleasure and surprise at being awarded an honorary degree by the University of Sussex, which he said he had heard was an "excellent university".

He described how the formal ceremony had tested his ability to sit still. "I kept feeling like I ought to run out into the middle of the stage and shout something. I felt naked without a guitar!"

However, although the 4000graduands, friends and relatives who packed the Brighton Centre were not treated to a few tunes by the newly honoured "Dr Rock" (as he re-christened himself), the brass band did mix in a few old Beatles numbers amongst the Elgar and the National Anthem.

£30,000 FOR STUDY OF WOMEN'S INITIATIVES IN LOCAL GOVERNMENT

Local councils may set up policies and initiatives aimed at achieving meaningful social change in their local areas, but how far can they actually achieve these objectives?

This gap between intention and achievement is the subject of a new study by two researchers in the Centre for Urban and Regional Research at Sussex, supported by a £30,000 grant from the Economic and Social Research Council.

Dr Simon Duncan and Susan Halford will use the example of women's initiatives in local government (women's committees etc.) which set out to improve the social and economic position of women both inside councils and in their local area.

The researchers will analyse how far these initiatives have the capacity to effect meaningful change in the position of women, in two ways. Firstly, all local government women's initiatives in Britain will be monitored, supplemented by brief case studies. This will show what women's committees actually intend to do, how they propose to do it and what political and financial resources they have at their command. In combination with a national survey undertaken as part of an earlier research project on local government policy making, this will provide a unique description of changing council policy in this area.

Secondly, the researchers will carry out two in-depth studies of women's initiatives in Manchester and Birmingham. Both councils started off with similar policies aimed at improving the position of women; one has apparently had some significant effect while the other seems to have been ineffective. The project will examine this difference in the capacity to implement policy.

"This research will produce a much needed empirical contribution to the debate about patriarchy vis a vis the state," says Simon Duncan. "How can we conceptualise the position of local states which appear to be pursuing, at least to some extent, feminist strategies?"
SENATE AND COUNCIL

ELECTED POSTGRADUATE PLACES ON THE SENATE

Three postgraduates are elected to the Senate annually, one each by the postgraduates in the Arts and Social Studies and Science Areas and one by the students in the Continuing and Professional Education Area. Notices of Election and Nomination Forms (if not collected at Registration) may be obtained on request from Mr R I M Jamieson in Sussex House (telephone no: 3827), to whom nominations must be submitted by 11 November 1988.

DISCIPLINARY PANEL

Towards the end of last summer term University disciplinary action was taken against two students. A first-year student was fined £20 for stealing food from other students in campus accommodation, and a third year student was fined £400 for assaulting another student in Palmer Bar — his second appearance before a Disciplinary Panel.

FOUR NEW PROFESSORS

Four promotions to Professorships were announced at the June meeting of the Senate, with effect from October 1, 1988:

Ralph Grillo becomes Professor of Social Anthropology. He joined the University of Sussex in 1970 as a lecturer and was promoted to a readership in 1978. Dr Grillo was educated at Cambridge University and spent the early part of his career lecturing at The Queen's University, Belfast. He was recently elected as Dean of the School of African and Asian Studies.

Peter Saunders has been promoted to a Professorship in Sociology. He was educated at the universities of Kent and London, and came to Sussex in 1976, following three years spent in the Department of Sociology at Essex University. Dr Saunders became a Fellow of the Royal Society of Arts in 1986.

John Venables becomes Professor of Experimental Physics. He was educated at Cambridge University and spent three years at the University of Illinois before joining Sussex as a lecturer in 1964. Dr Venables has held a part-time post as Professor of Physics at Arizona State University since 1985, and is a Fellow of the Institute of Physics.

Douglas Young becomes Professor of Chemistry. He was educated at Glasgow University and spent two years as a Research Fellow at Harvard University before joining Sussex in 1965. He was promoted to a Readership in Chemistry in 1984.

FINANCE OFFICER

Mr M.A. Sims has been appointed as Finance Officer in succession to Mr Ray Howard, who retired at the end of July. Tony Sims was previously Deputy Finance Officer, having joined Sussex in 1967. He has also served as Science Accountant, Secretary of Science and Budget Officer and was involved in the Leverhulme Programme on the Planning and Management of Universities in 1971/2. He is a Fellow of the Institute of Chartered Accountants.

CONGRATULATIONS

- Admiral Sir Lindsay Bryson, Vice-Chairman of Council, has been awarded an Hon.DSc. in Engineering by Bristol University.
- Emeritus Professor Marie Jahoda was awarded an honorary degree by Stirling University on July 1.
- Professor Margaret Boden has been elected to the Council of the British Academy to serve for a three-year period from 1988.
- Professor Mike Springford has been appointed to a Chair in Physics at Bristol University, and Dr. Lino Perite has been appointed to the Chair of Italian at Edinburgh.
- Further afield, Professor Zhu Zhenge of the Chengdu University of Science and Technology in China has been given a Science and Technology Progress Award by the Sichuan People’s Government for work he did in collaboration with Professor John Murrell during his stay at Sussex in 1981-83.
- Professor B.V. Jayawant, Dean of the School of Engineering and Applied Sciences and Professor of Electrical and Systems Engineering, has been awarded the prestigious Sir Harold Hartley Medal of the Institute of Measurement and Control. The medal is awarded annually to "any person whose contribution to the technology of measurement and control is of outstanding merit," and will be presented at a dinner in London on 2 November.
- Fred Gray, Lecturer in the Centre for Continuing Education, has been elected President of the Federation of Sussex Local History Societies. The Federation consists of more than 40 local history groups in East and West Sussex, and has a combined membership in excess of 4,000 people. Liz Doff, a local historian and one of CCE's tutors, is Vice-Chair of the Federation.

THREE NEW DEANS

Professor Ralph Grillo, Dean of the School of African and Asian Studies.

Professor Gerald Gazdar, Dean of the School of Cognitive Sciences, who was recently elected a Fellow of the British Academy, the fifth current member of Sussex faculty to be so honoured.

Dr. Anne Stevens, Dean of the School of European Studies.
RENEWAL OF OVERSEAS STUDENTS’ VISAS

All overseas students with a limited ‘leave to remain’ in their passport must make arrangements to renew that stamp before it expires — if you do not, you are remaining illegally in this country and could be subject to Home Office regulations regarding removal from this country.

Any overseas students who are studying at the University of Sussex will be able to renew their ‘leave to remain’ stamp in their passport through the Visa Extension Scheme taking place on campus from Monday, October 31 to Friday, November 4 inclusive, in the Marble Bar, Refectory Building, at the following times: Monday, Tuesday, Wednesday and Friday 9.00 am - 12.30 pm and 2.00 - 4.00 pm; Thursday: 9.00 am - 12.30 pm only.

If you need to renew your visa between September 1, 1988 and November 15, 1988, you may use the Immigration Officers’ visit, but you must complete a form before your expiry date. Forms are available from, and should be returned to, Suzanne Hardy, International Office, Sussex House. They will then be passed to the Immigration Officers at Newhaven. This procedure will prevent you becoming an ‘overstayer’. If you do not give advance information, it will not be possible to renew through this system and you will have to apply in the usual way to the Home Office, Lunar House, Croydon.

If you need further advice on this, please talk to Suzanne Hardy, International Office, Sussex House, or Berni Lee, Welfare Officer, First Floor, Falmer House.

POLYTECHNIC STUDENTS TO SURVEY UNIVERSITY LIBRARY USERS

During the Autumn Term users of the University of Sussex Library may be approached from time to time by interviewers with clipboards. The interviewers will be second year students from Brighton Polytechnic’s Department of Library and Information Studies, learning at first hand how surveys can be used to gather information needed by library managers.

The University of Sussex Library has always been interested in management information, and is a national leader in the computerised analysis and use of ‘in-house’ library data. In recent years it has been increasingly difficult to find the human resources necessary to extend the scope of the existing information gathering — despite a very clear need. So when senior librarians from the University met Polytechnic lecturers earlier in the year to discover how the former’s needs for various kinds of data could be met by practical assignments for the latter’s students, it was easy to agree a suitable programme. This programme will be introduced and concluded by seminars from Library staff, showing students how their work will fit into the existing pattern of Stock Management.

To get an indication of the extent, if any, to which the results obtained are typical of those applying at other times the surveys will also be conducted in the first week of the Christmas vacation and for three weeks at the end of the Spring Term and the beginning of the Easter vacation.

Three main areas of enquiry will be involved:

(a) establishing the affiliations of those using the University Library, and the services or facilities of interest to particular users;
(b) studying how much use of the stock is made by readers consulting material at the shelves (as distinct from taking it to reading places or borrowing it for use outside the Library);
(c) recording the use of periodical volumes and parts.

Enquiries (a) and (b) will require the co-operation of users in answering brief questionnaires; enquiry (c) will occasionally require readers to follow simple instructions on slips of paper to be found among the journals. The Polytechnic students will be conducting all three enquiries weekly from October 11, and it is hoped that even those library users who are interviewed more than once will readily give up the little time which will be required on each occasion.

SMALL ADS

Ford Escort (automatic), L reg., MOT and licence to June 1989, 89,000+ miles but v. good condition, has been regularly serviced. £3,500.00. Please ring 8015.

Wanted: possessor of Amstrad PC to transcribe tape-recorded interviews. For details please contact Liz Mundeville, RMDP, 61-63 Ship Street, Brighton, BN1 1AE. Tel. 722667.

For sale: Sussex honey, £1.10 and £1.25. R.M.Jones, Arts A, ext. 2084.

American professor with wife and graduate daughter requires 2-bedroom flat or similar near campus for 1989, April 29 - June 2 approx. Any offers to Lionel Ripley, EAPS, tel. 8358.
UNSWORTH MOTOR CONTROLLER SUCCESS SPREADS TO INDIA

A revolutionary energy-saving motor controller device designed by a Sussex engineer is to be manufactured in India, following on from its commercial success in the UK and North America.

The British Technology Group recently announced the signing of a new licence agreement with Rallis (India) Limited, a Bombay-based trading company, to manufacture the motor controller designed by Dr Peter Unsworth of the School of Engineering and Applied Sciences at Sussex.

The microprocessor-based motor controller is a self-adjusting system which optimises energy savings by adapting to particular motor and load conditions.

In many industrial applications, such as cutting and forming machines and air compressors, the load on a motor varies intermittently from high to low. If the motor is running at well below full load it performs less efficiently; significant energy savings are therefore made if the motor is able to respond to changes in the load.

Dr Unsworth’s motor controller has demonstrated energy savings of up to 40 per cent when an engine is running at below 50 per cent of full load, and the many industrial applications where it has been employed have shown similar significant savings.

The motor controller has a number of other features, such as a “soft-start” system which allows the motor to run up smoothly to full power, and there are built-in protection systems which sense faults in the motor, power supply and drive circuit.

The commercial exploitation of the device is handled by the British Technology Group (BTG), the world’s leading technology transfer organisation, which was formed in 1981 as a result of the merging of the activities of the National Research Development Board and the National Enterprise Board.

BTG negotiates licence agreements with commercial companies for the exploitation of scientific and engineering projects from the universities, polytechnics and research councils. The agreement with Rallis Ltd means that the motor controller will be manufactured in India, and engineers from Rallis will be sent to the University of Sussex to receive training.

Dr Unsworth is now working on the development of software to meet demand for controllers that can be used with a widening range of motors.

SUSSEX TO HOST NATO PHYSICS WORKSHOP

Sussex physicists are to be the hosts for a major international research workshop next year, sponsored by the North Atlantic Treaty Organisation (NATO), the Science and Engineering Research Council, the European Centre For Nuclear Research (CERN) and the School of Mathematical and Physical Sciences.

Dr Norman Dombey, Reader in Theoretical Physics at Sussex, has been awarded a grant by the NATO Scientific Affairs Division to be the Director of the workshop, which is to focus on the subject of Radiative Corrections.

Between 50 and 70 physicists from countries such as Austria, Japan, the Soviet Union and Sweden as well as the Nato countries, will visit Sussex in July 1989. All the participants are engaged on theoretical and experimental research on the world’s two major new particle accelerators, the Large Electron-Positron (LEP) at CERN in Geneva and the Stanford Linear Collider (SLC) at Stanford University, California.

LEP and SLC operate at such ultra-high energy levels that when electrons and positrons (positively charged ions) are used in experiments, it is not possible to measure all the electromagnetic radiation (e.g. light, microwaves, x-rays) which these particles emit. The radiation emitted is therefore calculated theoretically, and this calculation — the radiative correction — is used to correct the observed experimental data.

“It is not possible to obtain experimental data with any precision in any electron-positron experiment unless the appropriate radiative correction is computed,” says Dr Dombey. These corrections will therefore be a necessary part of the data-taking in experiments at LEP and SLC, he adds.

The size of the radiative corrections increases as the energy of the electron or positron increases. At the energies of LEP and SLC, these corrections can easily be half the size of the experimental signal.

Nuclear and particle physicists at Sussex have been in the forefront of research into radiative corrections. Professor Roger Blin-Stoyle and Professor Sir Denys Wilkinson were both involved in pioneering work in the 1970s, and Dr David Ballin has worked on the problems of radiative corrections for many years.

Norman Dombey has been involved in the field for about ten years with a number of graduate students. One of these students, F. Boudjema from Algeria, joined Dr Dombey as a member of a CERN Working Group on the application of radiative corrections to LEP, and, says Dr Dombey, “the Sussex workshop is the logical consequence of these studies.”

The workshop is one of a series of Advanced Research Workshops sponsored by the NATO Scientific Affairs Division, and its International Organising Committee has representatives from CERN and the Universities of Leiden and Trieste in addition to Dr Dombey.
A group of 16 geography teachers and lecturers made a three-week, three and a half thousand mile study tour through China this summer, led by Dr. Tony Binns, Lecturer in Geography in AFRAS, and Dr. Peter Corrigan of the West Sussex Institute of Higher Education. Their visits ranged from steel works and potteries to the Temple of Heaven and the Forbidden City.

The theme of the tour was 'Development in Perspective' and the aim was to give teachers a wide range of experiences relating to urban-industrial and rural-agricultural development in China. The tour, which took almost three years to put together, was given professional status by the China International Travel Service (CITS) and the itinerary was planned with the help of the director of CITS' European Division, Madam Mao Jia Ua. It was the first time that CITS had arranged such a tour and it was the first time that such a group of British geography teachers had visited China.

Tony Binns writes below on what they found.

Starting in Hong Kong, where we spent two amazing days wandering among the skyscrapers and examining the work of the Housing Authority, we then followed a transect through China from south to north, first visiting Shenzhen, one of China's five Special Economic Development Zones (SEDZ), which is located on the border with Hong Kong. Shenzhen SEDZ, a 327.5 sq kms area surrounded by a fence separating it from both China and Hong Kong, was established in 1980 to promote economic co-operation between China and the capitalist world. The Deputy General Manager of the SEDZ Development Company told us that by 1987 there were 1,200 enterprises with foreign investment, producing a total output worth 5,760 million Yuan (£960 million).

Sanyo and Pepsi

Companies such as Sanyo and Pepsi Cola have opened factories, whilst other firms produce a wide variety of electrical goods, bicycles, glass and foodstuffs. Shenzhen has grown from being a small border town of 20,000 people in 1974 into a city with a population of 400,000 today. As we approach 1997, links with Hong Kong are strengthening, and up to 50,000 people cross the border each day. Future development within the SEDZ will include a nuclear power station, an international airport and an expressway to Canton.

We then travelled to Guangzhou, still more often referred to as Canton, which is one of China's largest cities and rapidly becoming the focus of a vast development zone centred on the Pearl River estuary. Rapid urban growth here brought serious traffic congestion, even though very few Chinese have their own cars! The situation has been alleviated, temporally at least, by constructing an amazing elevated ring road in the space of only nine months, which circles the city at 'bedroom level' above the existing roads. Whilst in Canton we visited a leading pottery, a rural township and interviewed the general manager of the White Swan Hotel, one of the country's top hotels. An added bonus was sampling a handful of restaurants in what is generally regarded as China's gastronomic capital.

Our next port of call was Chongqing, a large industrial city at the confluence of the Jialing and Yangtse rivers which was heavily bombed by the Japanese during the second world war. The many hills on which the city is built are honeycombed with tunnels, once used as air-raid shelters, but now a convenient cooling-off place for the locals in this, one of the 'ovens' of China. Chongqing is the largest city (c. 3 million people) in Sichuan Province, a vast enclosed basin with the Yangtse valley as its only outlet. Sichuan is China's largest and most densely settled province and the intensity of cultivation on the flights of paddy field terraces has led to the province being called the 'rice bowl of China'.

Processing maize cobs at a rural village in Sichuan Province

We spent two days travelling through the Sichuan countryside stopping at farms and small villages and visiting some impressive Buddhist grotoes at Dazu, protected by local people from the ravages of the Red Guards during the cultural revolution. Returning to Chongqing we visited a motorcycle factory which is cooperating with Honda, and an urban neighbourhood. Some 3,000 people live in the neighbourhood covering 24 hectares on a steep hillside. We met the director of the neighbourhood committee and were impressed with the way we could talk freely about issues such as birth control policy as well as visiting people's homes, kindergartens and clinics. Many of those living in the neighbourhood worked in a nearby rubber factory which, although paying wages of only about 100 Yuan
per month (£17), did provide heavily subsidised housing, power supplies and welfare facilities for its employees.

**In-flight ‘Smarties’**

The journey from Chongging to Xian was undertaken in a specially chartered 30-year-old twin-propeller aeroplane. Once on board, fans were distributed to keep us cool in the absence of air conditioning. In-flight refreshments consisted of a glass of orange squash and a packet of Chinese ‘Smarties’.

![Indoor market at Anshan, Liaoning Province](image)

**Siesta time at a Xian street melon stall**

After a very noisy 90-minute flight we arrived at Xian. Xian is the tourist mecca of China, and after having been given rather special treatment thus far, we were in Xian herded around like every other tourist party. The vast Soviet-built and recently refurbished Renmin (People’s) Hotel was packed with tourists of every nationality, though the Americans and the Japanese were perhaps most conspicuous. Many could be seen with video cameras under one arm and replicas of the terracotta army under the other! The ‘army’ certainly lived up to expectations and it was particularly interesting to see how local people are cashing in on China’s mushrooming tourist industry.

![A small sample of Shenyang’s 2.1 million cyclists](image)

It was quite a relief to get to Shenyang in the north east after the hassle and hassle of Xian. Shenyang, a city of over 4 million people and formerly called Mukden, is the capital of Liaoning Province, China’s industrial heartland. At Shenyang we toured a heavy machinery plant and held a fascinating discussion with a group of city planners. They were keen to learn about how we in Britain were trying to solve the problem of traffic in our inner cities. Separating Shenyang’s 2.1 million bicycles from other vehicles and pedestrians was proving to be something of a headache!

A 90-minute train journey south from Shenyang brought us to Anshan, appropriately twinned with Sheffield as it is the home of a vast iron and steel complex. This industrial city within a city has a pall of orange smoke hanging over it, but it is well separated from the attractively laid out residential, recreational and commercial areas. A short distance out of town, and passing through an intensively farmed zone of vegetable production so typical of many Chinese cities, lies the Qianshan Mountains, a picturesque area which is fast developing as a tourist recreation retreat. During our time in Anshan we visited a blast furnace and steel tubing mill, a recently constructed urban neighbourhood and an impressive sanatorium where steel workers and their families can wallow in mud or sample the delights of acupuncture, cupping and massage. We even saw the place where the last emperor, Pu Yi, bathed!

**Local delicacies**

From Anshan we travelled back to Shenyang and then by overnight train to Beijing. After a comfortable 12-hour journey in soft class four-berth sleepers we arrived at the capital’s main station exactly on time. We then spent four days visiting the various sights in and around Beijing — the Great Wall, Summer Palace, Ming Tombs, Temple of Heaven and the Forbidden City. Beijing is a sprawling planned city with eight-lane highways and modern high-rise build-

ings closely juxtaposed with traditional neighbourhoods where single storey houses are grouped around courtyards. Before we flew home we were entertained to a roast duck banquet by Madam Mao of CITS and sampled the local delicacies of duck feet, duck stomach and duck-bone soup!

It was a memorable visit — in fact far too much to remember! China is changing rapidly. Farmers can now sell surpluses over and above state quotas at the many so-called ‘free markets’ which are springing up everywhere. Factory workers can earn good bonuses for increased production and they are using these to purchase such items as colour televisions, washing machines and fridges. One retired couple we met in Anshan, receiving a good pension from the steel works, spend a month each year travelling to distant parts of the country. Tourism is a rapidly growing industry; internal transport by air, train and air-conditioned bus is improving all the time and many of the hotels we used were comparable to, or even better than, those in the UK. As a national tourist agency CITS sets a very high standard and certainly ‘pulled out all the stops’ for us.

The lasting reminders of the tour will at one level be the friendliness and openness of the people, and at another the protracted and rather formal introductions, the difficulty of crossing roads with the multitude of purposefully pedalling cyclists, and the ubiquitous thermos flask, always filled with hot water for yet another cup of tea! In the future the incorporation of Hong Kong into China (or perhaps the incorporation of China into Hong Kong?), the acceleration of the responsibility system and the incentives to produce and earn more, together with the various ramifications of the birth control policy, will make China an interesting place to watch and visit. After such a successful tour there are already ideas for a return visit, perhaps taking an east-west route in two or three years’ time.
**Food & Bars**

**A. CATERING SERVICES (Refectory Building)**

<table>
<thead>
<tr>
<th>Location</th>
<th>Times</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE COFFEE SHOP</td>
<td>10am-4pm</td>
<td>THE Meeting Place. Beverages, snacks, salad bar etc. Hot meals, vegetarian food and beverages</td>
</tr>
<tr>
<td>THE LEVEL 2 RESTAURANT</td>
<td>12 noon-2.15pm (Monday-Friday)</td>
<td>Hot meals, vegetarian food, salad bar and beverages</td>
</tr>
<tr>
<td>THE LEVEL 1 SALAD BOWL</td>
<td>12 noon-2pm (Weekends)</td>
<td>Salads, vegetarian food and bar</td>
</tr>
<tr>
<td>REFECTORY LEVEL 2 GRAPEVINE</td>
<td>12 noon-2pm (subject to demand)</td>
<td>Lounge bar. Pool tables, video machines</td>
</tr>
<tr>
<td>THE PRIVATE DINING ROOM</td>
<td>5.30pm-11pm</td>
<td>Pre-booked (Tel. 8221) private lunches, dinners, buffets and receptions</td>
</tr>
</tbody>
</table>

**B. FALMER HOUSE PUB**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 noon-2.30pm</td>
<td>Good pub grub and vegetarian food.</td>
</tr>
<tr>
<td>5.30pm-11pm</td>
<td>Real ales, food served until 9.30pm</td>
</tr>
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</table>

**C. HOT HOUSE**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
</tr>
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<tbody>
<tr>
<td>12 noon-2.30pm</td>
<td>Vegan/vegetarian food</td>
</tr>
<tr>
<td>(Term time only)</td>
<td>(Dependent on Events)</td>
</tr>
<tr>
<td>5.30pm-11pm</td>
<td>Music Bar and Disco</td>
</tr>
</tbody>
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**D. LIBRARY BASEMENT**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>11am-4pm</td>
<td>Snacks and Beverages. Vending Machines</td>
</tr>
</tbody>
</table>

The Catering department welcomes reasonable comments and suggestions on the service it provides. Suggestion boxes are situated outside Level 1 and Level 2 Restaurants. Alternatively, contact Phil in Room 202 (Refectory).

**E. GARDNER CENTRE**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.30pm-2pm</td>
<td>Upmarket bar. Serves good salads, quiches and sandwiches</td>
</tr>
<tr>
<td>5.30pm-7pm (11pm during performances)</td>
<td>Bar</td>
</tr>
</tbody>
</table>

**F. IDS SNACK BAR**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.30am-11.30am</td>
<td>Coffee, snacks</td>
</tr>
<tr>
<td>12.30pm-2pm</td>
<td>Lounge bar</td>
</tr>
<tr>
<td>6pm-10.30pm (Mon-Fri)</td>
<td>Bar</td>
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**G. PARK VILLAGE SOCIAL CENTRE**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>8pm-11pm</td>
<td>USTA Bars</td>
</tr>
<tr>
<td>Most nights</td>
<td></td>
</tr>
</tbody>
</table>

**H. EAST SLOPE SOCIAL CENTRE**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
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</thead>
<tbody>
<tr>
<td>8pm-11pm</td>
<td>USTA Bars</td>
</tr>
<tr>
<td>8pm-10.30pm (Sun)</td>
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**I. SPORTS PAVILION**

<table>
<thead>
<tr>
<th>Times</th>
<th>Services</th>
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</thead>
<tbody>
<tr>
<td>12noon-2.30pm</td>
<td>Food, bar snacks and sandwiches</td>
</tr>
<tr>
<td>5.30pm-9.30pm (Mon)</td>
<td></td>
</tr>
<tr>
<td>5.30pm-9pm (Tue &amp; Wed)</td>
<td></td>
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<tr>
<td>5.30pm-10pm (Thursday)</td>
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</tbody>
</table>

School Common Rooms — generally 10am-4pm, but varies considerably

Discos, parties and private functions can be booked through the Catering Services on internal tel. 8221, external Brighton 678221.
SOCIAL WORK AT SUSSEX - THE FIRST TWO DECADES

For more than 20 years John Simmonds was one of principal tutors on Sussex University's Master in Social Work course. He set up the course and came to see it established as one of the most successful social work programmes in the country, with an almost unrivalled rate of applications. He also saw it become one of the biggest graduate programmes in the University.

John recently took early retirement from the University and, to mark this particular aspect of his work, an evening in his honour was held on 24 June. MSW graduates - from the first to the most recent - were invited, along with social work tutors and colleagues from local social welfare agencies. Joan Cooper, formerly Director of the DHSS Social Work Service (the government's professional inspectorate in social welfare matters) and currently a Visiting Fellow in the University's Social Work and Social Administration Subject Group, gave a lecture on major developments in British social work during the last 25 years - the period of John's association with the course.

The lecture was introduced by Jay Morris, now Director of Social Services for Wiltshire County Council but once one of the small handful of students who made up the first ever entry to the Sussex social work course. Another of that same small group spoke at the reception which followed the lecture - Carol Kedward - joined with John Harper, one of John's earliest social work tutor colleagues, to make a presentation.

John Simmonds' recalled the aspirations which marked both the developments in social work education in the 1960s and his subsequent work at Sussex (which he maintains with a part-time involvement at the Centre for Continuing Education). John and Gill Simmonds were then guests at a special dinner in the University Refectory.

Hugh England

A TIME TO SAY THANK YOU

THE view looking out from the Gardner Arts Centre bar has been transformed. All at the Gardner Centre wish to thank those people who gave their time, co-operation and generosity to make this possible. The imaginative idea to turn what was a stagnating pond into a beautiful water-garden to be enjoyed by all came from Neville Symonds. With unstinting enthusiasm he coaxed money for the plants from some of his campus friends. The design, planning and execution of the water-garden was carried out by Grounds Superintendent Don Collier and his staff with some sage advice from David Streeter. Edging the water-garden are three separate varieties of lavender bushes which on maturity will give a colourful and fragrant protection to the host of varied aquatic plants. When fully-established which should take a year from now - it is hoped that the bar will be joined by an equal variety of fish.

Norma Binnie
Administrator, Gardner Centre

NEWS FROM THE COMPUTING CENTRE

A SIGNIFICANT NEW COMPUTING FACILITY FOR SUSSEX

Parallel Computing

At the beginning of the academic year, the University Computing Service took delivery of a new machine, the Sequent Symmetry S81, which will be a powerful tool, of a kind not previously available on this campus, for users in a variety of disciplines.

The architecture of the Sequent is based on a VAX-type single powerful processor but on a number of processors working in parallel and sharing a common memory. This parallelism is ideal for heavy computation which can be broken into sub-tasks that are executed simultaneously, giving large improvements in performance and making it possible to handle applications which are not feasible on the Service's existing machines.

A survey carried out by the Service earlier this year revealed a growing demand for parallel computing. Researchers in fields as diverse as thermo-fluid dynamics, space plasma, quantum chemistry, molecular scattering, and neural networks, reported their need for such a facility, which has hitherto been available only at remote sites. In particular, Cognitive Scientists, who already have a similar installation on short-term loan from the manufacturers, will be exploring ways of exploiting parallelism in applications of their widely marketed POPLOG software environment.

The flexibility of this new kind of computer architecture is not only restricted to a number of specific areas but is of general benefit in a highly varied multi-user environment such as the University Computing Service. Two advantages are that the operating system is designed to spread the computing load across the number of parallel processors; and additional processors can be installed easily when demand requires.

The purchase has been made possible by the Computing Service's agreement to undertake a collaborative project with Sequent Ltd in return for a substantial grant towards the cost.

Existing Services

A portion of the power of the new machine will provide an improved UNIX service, particularly for POPLOG users. These will be moved from UNIXI and the VAXes to the Sequent as soon as it is operational, at which time the Systime computer known to users as UNIXI will be withdrawn. Selected large number-crunching applications will also be transferred at an early date, creating a powerful slack in UNIX.

The changes described above will result in some slack in the existing system. This slack will allow the withdrawal from service of at least one of the ageing VAX 11/780s which will contribute to the cost of the Sequent. The Service's VAX system will be augmented by access to the microVAXes being improved and, subject to the approval of the University Computing Committee, addition by the networked disk capacity will be provided on the microVAXes. There will also be improved local switching on the Joint National Academic Network (JANET) and the introduction of a higher speed line to the Network Operations centre in London. These works (both funded by the Computer Board for Universities and Research Councils) will provide major improvements in access to the national supercomputers at London, Manchester and the SERC's Rutherford Laboratory during 1988-89.

These developments mean a considerable increase in computing power will become available to researchers and students at Sussex during 1988-89.

The Future

The University expects funding by the Computer Board of a substantial enhancement of its academic computing facilities in 1990. The addition of the Sequent Symmetry to our present array will give staff and users experience of parallel processing which will be invaluable in the assessment of alternatives for the future. It also decreases our dependence on the equipment of a single manufacturer and on a single operating system, thus making our review of possibilities for the 1990s a much more open ended one.

Meanwhile, the Service is continuing its programme of establishing clusters of microcomputers in various parts of the University. MAPS and BIOLS will be the principal beneficiaries this year, while Arts, with the equipping of a second room, will see completion of the installation of high-powered micros begun last year and will also enjoy a doubling of its long-established suite of BBC micros, with the transfer of machines released by the re-equipment of MAPS with Acorn Archimedes microcomputers. The choice of a new system for BIOLS has yet to be finalised. Also, the microVAX which is dedicated to teaching in computer-aided design and manufacture in EAPS will be upgraded in support of the new University/Polytechnic joint MSc.

Further information

This article gives only a brief outline of the capabilities of the Sequent Symmetry. For further information see the more detailed account in the October issue of the Computing Service Newsletter available from either of our sites, in Arts B and MAPS III, or telephone Andy Clewes (2387, Arts B) or William Craven (2954, MAPS III).

LIBRARY NEWS

- Information Services is a new grouping of publications, equipment, and staff specialising in readers' reference, research, and information needs.
- A General Enquiries service is available in the ground floor concourse area.
- The Audio-Visual section has been moved to the top floor.
- Specialised services are now available out of hours only by prior appointment.
- The current periodicals display now comprises all parts of the current volume, not only the latest.
- The Library Guide 1988-1989 is now available.
CLOSURE OF THE UNIVERSITY IN EMERGENCY CONDITIONS

Occasionally weather conditions are so bad that it becomes impossible or unacceptably difficult for most members of staff to travel to the University, eg following last October’s hurricane. If such emergency situations occur the Vice-Chancellor will decide whether the University should be formally declared closed.

Closure of the University means that all routine activities of the University are cancelled for the period of the closure, with the exception of certain services which will have to be maintained. Staff involved in the maintenance of certain services will already have been informed of what they should do in the event of a closure announcement, and those who work on such a closure day will receive payment according to their Conditions of Service.

Every attempt will be made to inform staff and students that the University is closed, although what can be done will depend upon the severity of the emergency conditions. Methods of notification will be:

1) Announcements on Radio Sussex and Southern Sound.
2) Recorded messages on the University’s telephone number (Brighton 606755).
3) Telephone calls to members of staff.

If no such announcement is made during the period of bad weather, members of staff should attempt to travel to work. If individuals decide that in their particular circumstances it is not possible, or it is too dangerous, to travel, they should discuss the reasons with their Section Head on their return to work. The Section Head will decide whether this absence can be counted as authorised absence.

FINNISH AWARD FOR V-C

Sir Leslie Fielding, the Vice-Chancellor, travelled to Brussels recently to receive the decoration of Knight Commander of the Order of the White Rose of Finland.

The honour was presented by the Finnish Under-Secretary of State, Paavo Kahleto (above, right, with the Vice-Chancellor), in recognition of Sir Leslie’s "distinguished contribution to the development of the relations between Finland and the European Community and to co-operation between the EFTA countries and the Community."

Sir Leslie served as Director-General for External Relations at the European Commission prior to his appointment at Sussex, and was involved with the Luxembourg Declaration of 1984 which laid the political foundation for wider co-operation between the Community and countries in the European Free Trade Association (EFTA).

Mr Kahleto commended Sir Leslie for the interest he had shown in Finland and the influence he exercised to accommodate the views of Finland and other European countries.

OPENING OF SESSION SERVICE

The Opening of Session Service for the new academic year will be held this evening, 4 October, in the Meeting House Chapel at 6 pm.

The Rev. Dr. Christopher Duraisingham, General Secretary of the Council for World Mission (Church of South India), will be the preacher.

The service will be followed by a wine and cheese party in the lower ground floor of the Meeting House.

SENIOR PRO-VICE-CHANCELLOR

Professor F.J. Bayley became Senior Pro-Vice-Chancellor in August, following the completion of Professor B.D. Graham’s term of office.

Professor Bayley is Professor of Mechanical and Civil Engineering at Sussex, and Director of the award winning Thermo-Fluid Mechanics Research Centre.

Following the retirement of Professor J.N. Murrell as Pro-Vice-Chancellor (Science), Professor Bayley will take over the responsibilities of the PVC (S) until such time as Council confirms a new appointment.

These responsibilities include chairing Science Committee and Science Deans’ meetings, involvement in faculty annual review procedures and in undergraduate and postgraduate affairs, and sitting on certain appointment committees.

These duties are in addition to the responsibilities of the Senior Pro-Vice-Chancellor, as deputy to the Vice-Chancellor.
GARDNER CENTRE NEWS

ANIMAL MAGIC
School’s back and so too is the Gardner with another varied programme of autumn treats. From dance to poetry, furniture to photography, jazz to chamber music, cabaret to the classics—every opportunity to fill up dank evenings.

Tomorrow (Wednesday, 5 October) sees the opening of *Annebilles*, an exhibition of painted furniture created by French artist Gerard Rigot. When you see the array of chairs, tables and cupboards you will understand the title—all have been inspired by animals: dogs, cats, rabbits, roosters, snakes, elephants and more. Full of fun and wit, but also solid and functional and what is more for sale!

The exhibition was conceived and planned by Hilary Lane, Exhibitions Organiser at the Gardner, and has proved to be a major feat of organisation. All the works had to be transported from Marcia, Southern France, and after the opening at the Gardner the exhibition will go on a nationwide tour. Such an ambitious project was made possible by securing the backing of a number of organisations: Visiting Arts, South East Arts, Crafts Council, Sealink Dieppe Ferries and King Posters.

Wednesday evening (5 October) the Gardner Centre will reverberate to the sound of *Jaleo*, a highly successful flamenco group from Seville. Their visit to the Gardner is part of their first British tour and will feature guitar solos and duets, handclapping, finger-snapping and castanets. With the flamenco dresses and costumes, this promises to be an exciting and colourful evening.

The Gardner Centre has built up a reputation for its international programming. For those who thought they had seen everything, on Sunday, 16 October, you can hear the music of Southern China. In a double bill, Li Xiaying plays the guqin (zither) and the Silk and Bamboo Ensemble play a wondrous assortment of bamboo flutes plus fiddle, lute and cimbalom. Li Xiaying is a master in the skill of solo guqin—the most respected instrument in China with a history going back 3,000 years. Regarded as the most exalted of all Chinese classical styles, it requires someone who is mature and well learned to transcend notes and technique in order to reach the spiritual core of the music. Rarely performed in public, the guqin is used mainly for self-enrichment.

In addition, a more ‘modern’ music—merely 300 years old—is provided by the Silk and Bamboo Ensemble. This is the music of a region of waterways, pavin lions and willows. Very much a people’s music, it is played by farmers, workers, merchants, scholars—people from all walks of life—after a day’s work when they relax over a cup of tea. The sound produced is lyrical, refined and almost totally free of tension. Used in fairs and celebrations, the ensemble will also include a piece specifically chosen for wedding days, usually played by the bridegroom’s friends to escort the bride.

Just a few of the assortment of activities to be found at the Gardner this autumn. Others include a rare performance by legendary Scot Ivor Cutler, the all-woman black American dance theatre company Urban Bush Women, a return trip by Adzido, a week’s visit by Cheek By Jowl in Shakespeare’s *The Tempest* and Philocletes, a Greek classic by Sophocles, the 28-strong company of African dancers and drummers, a lecture recital and concert by the Chilingirian String Quartet, jazz in the form of workshops, Mervyn Africa and Jazz Warriors plus a variety of evening classes and on-off workshops.

Pick up a leaflet from the Gardner Centre foyer to find out more.

AIDS AND HEPATITIS B GUIDELINES
As part of a general AIDS/HIV programme for staff, Richard Price, the Staff Welfare Officer, has produced a leaflet on the topic. It offers basic information on both the AIDS and Hepatitis B viruses, a section on local and national advice agencies and a set of safe working guidelines for staff whose work could possibly bring them into contact with the diseases.

The leaflet aims to provide hard information based on current knowledge and is also intended to dispel some of the misconceptions about the ways the diseases are spread. If you are a manual, catering or domestic staff member, the leaflet should have already been distributed to you by your managers but it is available, free of charge, to anyone who would like a copy, no matter what work you do. If you have not yet received a leaflet, or would like to get hold of one, call Richard on 5598 and place an order for as many copies as you need.

CERVICAL SMEAR TESTING
Cervical cancer can happen to almost any woman and no-one knows exactly how it is caused. It is very rare in women who have never been sexually active but it certainly doesn’t only happen to women who have more than one partner. Many factors seem to be involved and not all these will be present for every woman.

Whatever the causes, cancer of the cervix can be prevented or successfully cured if it is caught early enough. In the early stages there are no signs that tell a woman she may be at risk. The only way it can be discovered is by having a cervical smear test. This simple examination may prevent you from getting cervical cancer or mean that any disease is caught early and can therefore be cured. Nearly 90 per cent of women who die from cancer of the cervix have not had routine smears.

The DHSS recommends that all women between 20 and 60 should have a smear at least every five years. You can arrange for a smear test through your GP, the Family Planning Clinic or, now, at work. The University Health Centre has been allowed to carry out the test for employees of the University, whether or not they are registered as patients with the practice. Trading Surplus Fund money, set aside for this purpose, has been used to purchase the necessary additional equipment and to partly fund the costs of the computer used to operate the recall system. If you would like to arrange for a test, contact Reception at the Health Centre about making an appointment.

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RECENT BOOKS
Recent publications by Sussex authors include:

- The Ancien Regime by Peter Campbell. Blackwell. Paperback. £3.50.

- Becoming a Skilled Reader by Jane Oakhill and Alan Gambrill. Blackwell. Paperback. £7.95.


- Managing World Debt, edited by Stephanie Griffith-Jones, including contributions by C.Fortin and R.H. Green. Harvester. £35.00.


- Small Countries Facing the Technological Revolution, edited by Christopher Freeman and Bengt-Ake Lundvall. Frances Pinter. £22.80.

- Management of Innovation in High Technology Small Firms: Innovation and Regional Development in Britain and the United States by Ray Oakey, Roy Rothwell and Sarah Cooper. Frances Pinter. £27.50.


All available from SUSSEX UNIVERSITY BOOKSHOP.

ALMEZ-VOUS LA FRANCE?
If you have answered "oui" to this question you might like to hear about the activities of the Brighton and Hove French Circle. This group of enthusiasts are like you — they love to hear French spoken, to listen to talks in French about France and generally to keep in touch with what is happening on the other side of the Channel. Some members like to speak French to the dozen whilst others are happier listening, so whatever your level of French you should feel at home within the group. If you would like more information about the Circle 'phone Suzanne Hinton on Brighton 21794.

CLOSURE DATES
The University will be closed during 1988/89 on the following days:

- Thursday and Friday, March 23 and 24, and Monday, Tuesday, Wednesday, March 27 to 29.

Bank Holidays on Monday, May 1 and 29 and August 28.

CENTRE FOR CONTINUING EDUCATION
Public Lecture
Tuesday, October 20, 6:30 pm, MOLS Lecture Theatre, Admission Free.

PROFESSOR GERALD GAZDAR — CETERIS PARIBUS

Course Guides
The Centre for Continuing Education has published three new-style course guides for the 1988-89 containing details of all adult education courses organised by the Centre. The guides cover: 1) Literature, Music and the Visual Arts, 2) Archeology, Ecology and Conservation, 3) Local History and Natural History, 4) Social Sciences, Humanities, Science & Technology, and Study Skills. Copies of the booklets are available from the Centre in the Education Development Building.

PUBLICATIONS BY MEMBERS OF STAFF 1987
The List of Publications by Members of Staff for the year 1987 has just been published. A small number of copies are available on request from the Planning Section, Room 309, Sussex House; ext 4242.

LUNCHTIME MUSIC
Gardner Centre
October 6, 1 pm: Chilingirian String Quartet — lecture recital on Bartok's Quartet No. 1.
Meeting House Chapel
Tuesdays, 1.15 pm
October 13: John Birch (organ)
October 25: Lucy Burke (violin) and Colin Haigh (piano)
November 1: John Birch (organ)
Playing Fields Pavilion
Fridays, 1 - 2 pm: Sussex Trugs play mainstream/traditional jazz.

BULLETIN
The Bulletin will be published every three weeks this term. The next edition will appear on Tuesday, October 25. Copy must be received in the Information Office, level 2, Sussex House, (tel. 8208) by no later than 4.00 pm on Monday, October 17.

Other publication dates are: November 15 (copy date November 7) and December 6 (copy date November 28).

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

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