ALL AT SEA

Alfred Carver, who did an M.Phil. in Education at Sussex in 1965-67, has since put his qualification to varied use.

An ex-merchant navy officer, who did his thesis with Professor Norman MacKenzie on aids to the education of seafarers at sea, Alfred went on to do work in television at Plymouth Polytechnic and then to the Gilbert and Ellice Islands where he was commander of the sea training ship for two years.

He then went into the fishing industry on the island, returned to the UK, bought his own fishing boat and sailed it out to the Pacific with his family as crew.

After two years pole and line tuna fishing he returned to the UK in 1976 and has since run a supply boat to the North Sea oil rigs.

Alfred Carver has now been appointed as Principal Lecturer to the new Australian Maritime College, in Launceston, Tasmania, where he will teach particularly in the fisheries courses.

What might he have done had he gone on to a doctorate?

NEW TREASURER

The Earl of March was elected Treasurer of the University at the December meeting of Court. He succeeds Mr. R.G. Edwardes-Jones, whose term of office expired at that meeting.

Lord March, 49, has been a member of the University Council since June 1975. He is a chartered accountant by profession.

He has a particular interest in church matters and has served as a Church Commissioner and on the Central and Executive Committees of the World Council of Churches. He is a member of the General Synod of the Church of England.

His interests also span the countryside and tourism, and include the presidency of the Sussex Rural Community Council and the vice-presidency of the South-East England Tourist Board.

Lord March lives at Goodwood House, Chichester, and his estate and the group of companies for which he is responsible includes the 'Glorious Goodwood' racecourse.

Mr. Edwardes-Jones, currently High Sheriff of the County of East Sussex, has served the University for a number of years - as a member of the Council since 1964 and as Treasurer for the past nine years. He will continue his membership of the Council.

ANNUAL REPORT

The Nineteenth Annual Report of the University for the academic year 1977-78 was presented to the University Court when it met last December.

If you wish to receive a copy, please contact the Information Office, Sussex House. (Int. tel. 05-123).

TERM DATES

This term ends on Saturday, March 24. The Summer Term begins on Monday, April 23, and ends on Thursday, June 21.

UNIVERSITY CLOSURES

The University will be closed over the Easter holiday from Thursday, April 12 to Wednesday, April 18, inclusive.

THE BULLETIN

The Bulletin is published fortnightly during term-time by the Information Office for the information of members and employees of 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, Information Office, Room 330, Sussex House; internal telephone 05-123.

The next issue will be published on Tuesday, January 30, and copy for inclusion should reach the Information Office by noon on Tuesday, January 23.

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

The Establishment Office has issued the following current list of non-academic posts within the University which are to be filled. Job descriptions for all the posts listed are displayed on noticeboards. The list was compiled at January 9.

Secretaries
(a) School of European Studies (1 or 2)
(b) School of Engineering & Applied Sciences (2 posts, 2 and 3)
(b) School of Mathematical & Physical Sciences (1 post 1, 1 post 1 or 2)
(c) Community Services (1 or 2)

Assistant to the Conference Officer
(c) Conference Office (3)
(d) School of Molecular Sciences (5)
(e) School of Engineering & Applied Sciences (2 posts, 5)
(h) School of Biological Sciences (3 posts 2B, 3 and 4)
(j) School of Mathematical & Physical Sciences (5)

Technicians
(f) Estates
(g) Isle of Thorns
(c) University Health Centre
(f) Refectory
(i) Coffee Shop (part-time)
(a) Arts and Social Studies (part-time)

Night Security Staff

Grounds Foreman/Woman

Ward Orderly

Assistant Steward

General Catering Assistant

Cleaner

Information given after each post relates to the grade at which the vacancy will be filled.

The code given before each post indicates the person to whom applications should be sent:
(a) Miss C. Pratt, Arts and Social Studies Office, Arts D.
(b) Mr. M.D. Carr, Science Office, Sussex House.
(c) Mr. C.R. Kelley, Establishment Office, Sussex House.
(d) Mr. P.J. Gilliver, Laboratory Superintendent, School of Molecular Sciences.
(e) Laboratory Superintendent, School of Engineering & Applied Sciences.
(f) Estates Manager, Estates Building.
(h) Mr. J. Burns, Laboratory Superintendent, School of Biological Sciences.
(i) Catering Manager, Refectory.
(j) Laboratory Superintendent, School of Mathematical & Physical Sciences.

OVERSEAS RELATIONS/SHORT COURSES/ 'DIARY OF EVENTS'

Following the reorganisation of the work of the former Overseas Relations Office as agreed by Planning Committee, all the functions of the VISITING AND EXCHANGE STUDENTS Programme have been transferred to the Arts Area where Adrian McAllister has assumed responsibility for this work.

Pauline Osborne, formerly the Overseas Relations Office secretary, continues to deal particularly with the day-by-day North American arrangements. She is located in Arts D, room 609, and her internal telephone number is 03-433.

Vacation Short Courses

The Vacation Short Courses which were previously arranged by the Overseas Relations Office are now administered and co-ordinated by a new SHORT COURSES PROGRAMME OFFICE, set up as part of the Conference Office to undertake this work, with Hugh Church in charge. His office is in room 104 in Sussex House (the old Overseas Relations Office) and his internal telephone number is 03-153.

This Short Courses Programme Office has been established to provide the necessary support and administrative back-up to those members of the University who run, or who are thinking of running, short vacation courses as extensions of the normal University curricula.

Members of faculty who are interested in organising such courses in the future are invited to discuss their plans first with Hugh Church to see how far the assistance of his office can be given. It being always understood that the member of faculty assuming responsibility as Course Director for a particular course will at all times have complete freedom to determine the academic content of that course.

In this way it is hoped that Short Courses can continue to be run smoothly and efficiently and at the same time that the financial losses which a few courses have incurred in the past can be avoided.

The secretary to the new Short Courses Programme Office is Ann Eyles, now to be found in room 103 in Sussex House, with internal telephone number 06-124.

'Diary of Events'

In addition to the work of the Short Courses Office, Ann Eyles will continue to be responsible for the compilation of the 'DIARY OF EVENTS'. Information regarding notices and events for inclusion in the Diary should therefore be sent to her in room 103, Sussex House.

FIRST AID BONUSES

With the successful completion of the Autumn Term’s first aid course, another 45 qualified First Aiders became eligible for the first aid bonus, payable on January 1 to those members of the University who hold a valid first aid certificate.

First aid certificates are valid for three years and non-faculty staff receive a £50 bonus in each of the three years. Faculty and postgraduate students receive a single payment of £15 to cover the three years during which their certificates are valid.

New members of staff who have certificates valid at January 1, 1979, are also eligible for the bonus and should contact the Safety Office (Mrs. J. Reinger, Room 127, Estates) enclosing evidence of their qualification and the period of its validity.

On behalf of the University, I thank all first aiders for their efforts during 1978 and, in particular, those - including Len Matthews, Peter Gilliver, Di Churchill and Eric Waller - who have been on radio call and have been involved with Dr. Tony Leake in the hard work of organising the first aid courses.

Peter E. Ballance, University Safety & Radiation Protection Officer.
COMPUTING AT SUSSEX

There is a great deal of computing and knowledge about computing in Sussex, and it is very hard to see. The Computing Centre has provided a University-wide service since its inception in 1966. But it probably handles only a small fraction of the computation done for teaching and research by the campus community.

The qualification "probably" flows from the fact of a truly malleable ignorance about what is actually the case. It is an ignorance that arises naturally from the necessary autonomy that any vigorous academic community needs - an autonomy bred of subject specialisation and of efforts by gifted researchers and teachers to secure good facilities for their work.

The only thing that the hundreds of people on campus who make use of computing have in common is just that - computing. They use different languages, different computers, in different ways for very different ends. Here is one glimpse of some of that diversity, necessarily incomplete, inevitably sketchy, but I hope not inaccurate.

The traditional view of computing as something natural scientists do is well represented at Sussex. Many of our astronomers, physicists and chemists make use of the facilities at the Rutherford Laboratory. Jose Varghese, for example, uses the IBM 360 there to interpret the (paper tape) output from an X-ray diffractometer as evidence for a crystal structure.

These programs are based on a robust theory of X-ray diffraction in crystal structures and operate more or less as a production line; in the related area of the analysis of the molecular structure of proteins much more intuitive methods are needed. There is as yet no work here on protein structures: the computing required calls for very large dedicated machines.

The analysis of visual images is the subject of research in the School of Social Sciences. Aaron Sloman's group uses the Science Research Council's Edinburgh DEC10 to develop computational models of the kinds of inference systems needed to see solid objects. A related piece of research in the same group aims to understand some of the principles behind our perception of movement.

Both the molecular scientists and these cognitive scientists use large computers but in vastly different ways. Jose Varghese's work is 'production' - the programs are written, their theory is well understood. Whereas in Aaron Sloman's group the product is programs. And it is these programs that are the subject of further analysis aimed to formulate theories that may one day be as robust as those of physics and chemistry.

Image analysis and synthesis is one of Keith Baker's interests in the School of Engineering and Applied Sciences. Images from the EMI Body Scanner can be subjected to quantitative analysis, for example to find volumes and surface areas of visible organs, and also to re-synthesise the image, for example to give cross-sections or a layer-by-layer view. Keith's work depends vitally on the use of interactive graphics facilities not currently available on the 1904S in the Computing Centre. Work to date has only been possible through the generosity of another group in providing limited access to their research facility.

Analysis and synthesis is the central theme of the research into speech by a group in Experimental Psychology. Chris Darwin uses a PDP12 to synthesise speech for perception experiments designed to tease out the acoustic/phonetic fine structure that guides our recognition. Steve Isard is synthesising the prosodic aspects of speech using the same computer.

An important adjunct to that perceptual work is the analysis of real speech to determine the underlying articulate behaviour. Christopher Longuet-Higgins uses the PDP12 here as an input to the SRC's Edinburgh DEC10. The relationship between the PDP12 and the DEC10 is a very important feature of this kind of computing where there has to be a division of labour between real time analysis and synthesis on the one hand and large computations on the other.

'Seeing what is going on', 'getting a feel for the problem of size' is an essential ingredient of the work on very large magnets that is the centre of Jay Jayawardan's work in EAPS. The interactive SIGMA 5 facility developed in conjunction with Warwick and Bangor has resulted in an excellent language and a system that is really helpful to users.

His computational models of large magnets use finite element techniques and call for massive computational power supplied in his case by the same IBM 360 - 195 that Jose Varghese uses.

Jay Jayawardan's Warwick line is not merely interactive. An essential feature of it is the skilled assistance at hand to help the beginning user over the first hurdles. Help that can make all the difference between success and total rejection of the computer as a valuable tool.

'Showing people how' is also central to Joe Taylor's conception of mathematics and computing. He finds that many of the notational complexities of linear algebra, e.g. matrix multiplication, can be effectively explained using the School of Mathematical and Physical Sciences' WANG computer in the lecture theatre. There are many features of the WANG that make it an excellent tool - its robustness, good editing, and a sound easy-to-learn language - BASIC.

Ways to teach people about computers is also a central theme of the undergraduate work in the Cognitive Studies Programme in the School of Social (continued on page 4)
SCIENCE.
Steve Hardy believes the computer can be laboratory, library and notebook for a learner.

The Programme's PDP11 computer not only provides a powerful interactive language facility (DPPL) for programming artificial intelligence problems but also stores a wide range of handouts, expository papers, and diagnostic materials.

Student project work on the machine inevitably leads to students seeing it as a tool to write up programming dissertations, though this cannot be encouraged for economic reasons. A copy of this computing system is also being used in Experimental Psychology for teaching by Steve Isard.

But it isn't just students who need to know, need to learn. Steve Isard's responsibilities in Experimental Psychology include provision of facilities for controlling experiments.

Concepts here are changing fast with the advent of very cheap microprocessors. The hand-programmed custom-designed experiment-controller, many of which can be found in MAPS, is giving way to micros that can be temporarily plugged in to a more powerful mini-computer.

Control programs written in a familiar high level language can be cross-compiled in the mini and loaded into the micro for autonomous use at the site of the experiment. Knowing what is available here especially of the existence of relevant software is the key to efficiency.

'Knowledge about computers', 'computers for their own sake' is of course a central concern in the School of Engineering and Applied Sciences, both at undergraduate and research level. Microprocessor design, especially in the area of instrumentation for biomedical data, is part of Dave Wollocks' concerns. Research on computer graphics goes hand-in-hand with the importance of graphical communication in teaching - as Jay Jayaweet's experience on the SIGMA 5 system shows.

'Autonomy' is perhaps a recurrent theme of this survey. Indeed one of the most significant events in campus computing in recent years must be the purchase of a computer - a Commodore PET - by the newly-formed undergraduate society. Another was the advent of computer management of book circulation by the Library - one of the first in British universities.

Against this background of a vigorous growing pattern of computing, the University has set about the task of re-equipping the Computing Centre.

It is a challenging task calling for difficult judgements at a time of rapid technological change. It is clear that the Computing Committee needs not only to be able to see what is going on, and what is needed, but also to respect the very real vitality that all this computing work reveals.

MAX CLOYES

CENTRE FOR CONTINUING EDUCATION

GREECE - THE CLASSICAL PERIOD: aspects of its art and drama is the title of a residential weekend school to be held at Stafford House, Hassocks, on February 24 and 25.

This course aims to supply a quick introduction to the history of the Greek classical period, and will attempt to deal in more depth with aspects of its art and drama. This weekend will specially cater for those coming on the Centre's STUDY TOUR OF THE PELOPONNESE AND CRETE in April. Tutors will be Adrian McAllister and Terry Hodgson, who will also be leading the tour.

The fee for the weekend school is £11 resident, £13.50 non-resident, and applications should be made by February 12. Numbers will be more limited than usual and priority will be given to those enrolled for the Study Tour. Details of the Study Tour are available from the Centre - the closing date for applications is January 30.

AGRICULTURE AND SOCIAL CHANGE IN THE REGIONS, 1500 - 1974. Looking much further ahead, the Conference of Those Concerned with the Teaching of Regional and Local History in Higher Education. In conjunction with the Centre for Continuing Education, will be holding a three-day meeting at the University from July 6 to 8. Fee: £35 resident, £20 non-resident, and applications should be made by not later than March 31.

The PROGRAMME OF COURSES, SPRING 1979, as well as details of all the above events, may be obtained from the Centre for Continuing Education, Education Development Building.

UNIVERSITY SPECIAL LECTURE

KINGMAN BRENDER, American Ambassador to Britain, will speak on CAN SOCIETY BE KEPT VOLUNTARY?

at 5.30 p.m. on Tuesday, January 23, in the Molecular Sciences Lecture Theatre. Admission is free and open to the public.

LATIN AMERICAN SOCIETY - THEATRE WORKSHOP

The Latin American Society is to hold a theatre workshop this term to initiate students and non-students into a popular form of the traditional Latin American theatre through the popular "fiesta", circus and masks.

Participation is open to those interested in acting, researching or writing scripts, composing or playing songs and dancing. A play will be staged at the end of the workshop.

The Director is Camilo Racana of the Teatro Circo de Buenos Aires. He is already known to the University through his version of the play "La Faena", which was staged in the Debating Chamber.

The play chosen for the workshop is "El Matadero" ("The Slaughterhouse") by Ernesto Rhevverria. It is an outline intended to be freely developed by the participants in the workshop.

The workshop extends over ten weeks, beginning this month.

Those interested in the project should contact, as soon as possible: Maria Pisana, Biols Postgrad p/h; or Pilar Terreros, MOLS p/g p/h; or André Bonfiglioli, CCS Under grad p/h.
IN BRIEF

NEW DEAN OF MAPS

Professor J.P. Elliott, Professor of Theoretical Physics, is the new Dean of the School of Mathematical and Physical Sciences.

He took over from Professor R.J. Tayler on January 1.

GONE MISSING

A full-length colour film of the installation of Lord Monckton, first Chancellor of the University, has disappeared.

This film was taken at the June 1966 Graduation Ceremony and forms a unique record of the University's early days.

If you have any ideas of where this film might be, please contact Caroline Broadway, Personal Assistant to the Vice-Chancellor, Sussex House.

ORGAN AND CHORAL SCHOLARSHIPS

Auditions for Organ and Choral Scholarships will be held by John Birch, University Organist, in the Meeting House this Friday, January 19.

Students already at the University, or at the Polytechnics or any other higher education institution in Brighton or Lewes area, are invited to apply, as are applicants for admission in October 1979.

Scholarships are available to take effect either immediately, or from October 1979.

More details about requirements are available from Julian Elloway (Brighton 777201 - evenings). Applicants should contact

RECENT BOOKS

Some recent books by Sussex authors, as well as some forthcoming publications, include:

ENGINEERING IN BRITAIN, WEST GERMANY AND FRANCE: SOME STATISTICAL COMPARISONS by Professor Christopher Saunders. This is No. 3 in the Sussex European Papers series published by the Sussex European Research Centre. Price £2.00.

THE MELANCHOLY SCIENCE: AN INTRODUCTION TO THE THOUGHT OF THEODOR W. ADORNO by Gillian Rose, Lecturer in Sociology. Published by Macmillan in cloth at £8.00 and paper at £3.85.

PENAL POLICY AND PRISON ARCHITECTURE contains selected papers from a symposium held at the University in July 1977, edited by Peter Dickens, Sean McConville and Leslie Fairweather. Published by Barry Rose in paperback at £4.85.

RICHARD WAGNER: HIS LIFE ART AND THOUGHT by Ronald Taylor, Professor of German. Published by Elek at £7.95.

SLUMS OF HOPE? SHANTY TOWNS OF THE THIRD WORLD by Professor P.C. Lloyd. This is announced for publication on January 25 as a Pelican book at £1.25.

AVAILABLE FROM

SUSSEX UNIVERSITY BOOKSHOP

Barbara Barber in the Meeting House to arrange a time for the audition.

MANDELA HALL - OFFICIAL

The December meeting of the Council formally agreed that the Old Refectory in Falmer House should be renamed Mandela Hall, in honour of Winnie and Nelson Mandela of South African anti-apartheid fame.

University of London Institute of Education

DIPLOMA IN TEACHING AND COURSE DEVELOPMENT

The University of London Teaching Methods Unit is to run a course on Teaching and Course Development in Higher Education from next October.

The course is offered on a full time basis over one year, or part-time over two years. It is intended for those holding posts as teachers in institutions of higher education.

The programme will be suitable both to teachers wishing to study in depth the field of teaching in higher education, and also to staff with special responsibility for advising junior colleagues or organising staff development programmes.

It is primarily a practical course during which participants will develop their skills as teachers, widening their repertoire of teaching methods.

The diploma will be assessed in a number of ways and will include a project on one of the following: student recruitment and selection; organisational aspects of a course or of a staff development scheme; or an innovation in an educational institution.

Further information and application forms are available from: Gwen Heath, University of London Teaching Methods Unit, 55 Gordon Square, London, WC1N ONU. (01-636 1500, ext.497)

TODAY - Tuesday, January 16

There will be a LABOUR STUDIES Faculty Graduate Seminar at 5 p.m. this evening in Arts D308 when Professor Irvin Sobel of the University of Florida will speak on ARBITRATION IN THE AMERICAN INDUSTRIAL RELATIONS SYSTEM.

EXHIBITION

UNIVERSITY OF SUSSEX PHOTOGRAPHIC SOCIETY

"POSITIVE LIGHT" a selection of prints and slides in the Library from now until January 31.
The Gallery has already opened its first Spring exhibition. It is dedicated to the work of ALAN CUTHERBERT, who teaches at the Wilmington School of Art and who lives and paints in Sussex.

In his introduction to Mr. Cuthbert's work, Peter Probyn has written: “Alan Cuthbert is an organised romantic who became interested in colour through an involvement in Constructivism.

"He is a warm hospitable man who was originally trained as a scientist. He has, therefore, a disciplined mind and his studio is a white laboratory in which pigments, personally compounded and numbered, occupy the place of balances and burettes...

"His work arising from many years of preoccupation with colour perceptual experimentation, is perhaps austere yet it is of such purity and lucidity that we can respond to it in a multiplicity of ways. There is no right way, there is no wrong way. We are looking at paintings."

A celebration of colour

All the paintings are in oils and are a celebration of colour and they will look particularly attractive in the airy Gardner Centre Gallery.

The exhibition is open every day except Sunday from 10 a.m. and tomorrow, January 17, there will be a special viewing (with a wine bar) from 5.30 p.m. to 7.30 p.m. and you are invited to come along to see the paintings and to meet the artist.

Concerts

The concert programme resumes on January 24 with the first of two recitals by distinguished pianists. JORGE DEMUS is perhaps best known in this country as a prestegious accompanist for such distinguished singers as Fischer-Dieskau.

His recital here at the Gardner immediately precedes his appearance at the Queen Elizabeth Hall and will provide a rare opportunity to hear him 'live'.

His programme will include works by Brahms, Schubert and Debussy, as well as Schumann's Sonata in F sharp minor.

This is just one of a series of exciting concerts booked for the Spring Season, the full details of all our programme being in our new Diary of Events which has just been published and which is freely available in the foyer - or by post if you telephone us.

Alan Ayckbourn play

Rehearsals have already started for a new production of Alan Ayckbourn's comedy JUST BETWEEN OURSELVES, which is being directed by Patrick Lau.

It opens a two-week run here on January 30 and will then go on tour. Ayckbourn's writing has its own special appeal and his remarkable ear for all-too truthful comedy has already been seen here in such plays as The Norman Conquests and Relatively Speaking.

The excellent cast includes June Barry, Elizabeth Breaddy, Michael Graham Cox, Robert East and Vilma Hollingbery. The designer is John Hallé.

Nigel Stannard
Administrative Director

A FEW MONTHS AGO, June Brinkley of Sussex House discovered several old printing blocks "at the back of a cupboard. The blocks are of historic interest in that they show the first few of the buildings erected on campus as they were originally planned.

The pictures on this page give Sir Basil Spence's impression of two views of Palmer House. Next time you're passing the building, you might like to compare the real thing with the architect's drawings... there are differences:

Also, if you find anything which might be archival material in the back of a cupboard, please let the Information Office know. Photographs, press cuttings, slides - we'd be interested in seeing them.