Imperial College launches press

Imperial College Press (ICP), a new venture between Imperial College and World Scientific Publishing, was launched on 15 May. ICP will publish technical books and journals in both printed and electronic formats. The first book to be published by ICP will be Lectures on Quantum Theory - Mathematical and Structural Foundation, by Professor Chris Isham, Physics.

ICP is jointly owned by Singapore-based World Scientific Publishing (51% per cent share) and Imperial College (49% per cent). Lord George Peto, Nobel Laureate and a master of the Chemistry Department, will chair the Editorial Advisory Board.

"It is high time that an instrument of the nature of Imperial College had its own press," said Sir Ronald Oxburgh, Rector. Dr K.K. Phua, chairman of World Scientific Publishing and an alumnus of imperial College, said the press would publish in a number of languages as well as English. "We hope to develop Imperial College Press so that it is as good as Cambridge University Press or Oxford University Press - or better."

Board of Studies update

The Board of Studies, the group that provides formal responsibility for academic standards at Imperial, held its second meeting of the year on 10 March. The following main points were discussed:

- In a recent review, the standard of undergraduate teaching in the Department of Materials was judged to be very high.
- The term dates were set for 1996/97 and 1997/98. Provisional dates until 2001/02 were noted.
- In March, the Vice Chancellor of the University of London, Professor Andrew Rutherford, issued a paper which laid out the criteria for degrees issued by constituent colleges. The paper suggested that a framework should be set up to assess the quality of these degrees. The Board discussed a letter written by Sir Ronald Oxburgh, Rector, that criticized the paper.
- "This paper is based on a fallacy," argued Professor Alan Swanston, Pro Rector (Education Quality). The Board of Studies accepted the view that while theoretical degrees are a standard measure of learning, they are not a measure of quality. In fact, they vary from college to college and even from department to department. The Board will discuss the University of London's future direction on another occasion.
- The Board includes several sub-committees, which examine issues in more detail. These include committees on admission policy, engineering studies, graduate studies, medical studies, and undergraduate studies. However, there is no science studies' committee, which would correspond to the engineering and medical committees. The Board therefore agreed that a science studies committee should be established in October 1995.
- Finally, the Rector suggested that the Board of Studies' days are numbered. At present, only a third of those invited to attend the meeting actually do so. This makes it possible to hold the meeting in 170 Queen's Gate, which otherwise would be too small. However, over the next few years, as the College merges with various medical schools, the meetings may become so large as to be unworkable. Alan Swanston and Peter McRae, Registrar, will look into future options for a changed Board of Studies.

IC Women's Club donates money to students' hardship fund

The Board of Studies, the group that provides formal responsibility for academic standards at Imperial, held its second meeting of the year on 10 March. The following main points were discussed:

- The Board includes several sub-committees, which examine issues in more detail. These include committees on admission policy, engineering studies, graduate studies, medical studies, and undergraduate studies. However, there is no science studies' committee, which would correspond to the engineering and medical committees. The Board therefore agreed that a science studies committee should be established in October 1995.
- Finally, the Rector suggested that the Board of Studies' days are numbered. At present, only a third of those invited to attend the meeting actually do so. This makes it possible to hold the meeting in 170 Queen's Gate, which otherwise would be too small. However, over the next few years, as the College merges with various medical schools, the meetings may become so large as to be unworkable. Alan Swanston and Peter McRae, Registrar, will look into future options for a changed Board of Studies.

IC Women's Club donates money to students' hardship fund

Professor Julia Higgins was the speaker at the Imperial College Women's Club lunch on Wednesday 2 May. She made a plea for the club to raise £1,000 to help students who are experiencing hardship. Among those present were Professor Richard Higgs, who is a member of the board of directors of the Imperial College Student Union, and the Rector of the university.

Shakespeare and rock'n'roll

Imperial College Union's Dramatic Society is getting ready this term for a rock'n'roll version of William Shakespeare's A Midsummer Night's Dream. Set in a recording studio in the mid-sixties, the fairies play rock'n'roll in the background and the lovers rebel against their parental commands and escape to the woods (a nightclub).

Classic Shakespeare, classic rock'n'roll, this mixture of play and music has a magical feel, making it perfect end of term entertainment.

Tickets available from the Union Office or call 0207-340 9940. The performances will be in the Union Concert Hall, Belt Quad on Monday 12 June at 7.00pm, Tuesday 13 June at 7.00pm, and Wednesday 14 June at 7.00pm. Entrance fee £2.

Two medals for research fellow

Emeritus Professor Brian Steer, a Senior Research Fellow in the Department of Materials, has been awarded the Kren Medal and Prize by the Institute of Materials and the H.M. Richardson Medal by the Institute of Refrigerators.
Media mentions

Asteroid plays part in extinction of dinosaurs

A half-page article and colour photo in The Times on 1 May described the work of two scientists in the Department of Geology. Dr Michael Werner and Dr Thomas Morgen are studying the largest crater in the world caused by the impact of an asteroid with Earth 65 million years ago. It is thought that a cloud of sulphuric acid thrown up by the asteroid may have brought about the extinction of the dinosaurs. However, Dr Werner commented in the article: "The problem is that some people think the dinosaurs were dying out anyway and that the impact just killed off the last few." Dr Morgen was also interviewed about the crater on the BBC World Service's Science in Action programme.

Trading success for chemical engineer

A chemical engineering alumnus has joined the Tokio Bank on a two-year contract reported to be worth £1.1 million in salary and benefits. Mr Alan Howard, 31, whose appointment was reported in The Daily Telegraph and The Financial Times (5 May) is described as "one of the best traders around the City".

Tutoring conference success

The Times Higher Education Supplement (5 May) reported on the success of the recent student tutoring conference jointly organised by BP and Imperial College. Sinclair Goodall, Head of Humanities, who established the first scheme at Imperial College, spoke at the conference. He commented that the College schemes, known as the Finalco Connection, "may be for the shop". The conference will be reviewed on Radio 4's new Education Matters programme later this month.

St Mary's professor advises Coeso readers

Professor Robert Priest, Head of Psychiatry at St Mary's, received a mention in Coeso magazine's spring Health and Beauty supplement. In a section on the importance of sleep he said: "The best way to tell if you're getting enough sleep is to monitor how you feel during the day. Listen to your body."

Top Gear disappointment

IC Reporter readers who tuned in to BBC2's Top Gear on 1 May were disappointed by a disappointing feature. The showing brought down the anniversary special of Top Gear magazine, which celebrated the 25th anniversary of the first issue. The feature showing Imperial student racing against time to build a kit car was derided by the magazine's readership and designers - contrasting listings in the Radio Times and The Evening Standard. The new May issue of Top Gear magazine carries the full story of the challenge, complete with colour images and sidebars about students. The Top Gear production team said they will run the feature in the autumn series.

Prince Consort raft race

A team of Students Union and College staff is taking a raft, named The Prince Consort, down a hundred miles of the river Wye for charity.

The race, an annual event, takes place from 27-29 May. There will be 74 teams racing from Hay-on-Wye to Chepstow. Ian Parish and Dan Look, deputy presidents of the Union, are leading a team of 16, comprised of security guards, other Union staff and students. Ian commented: "Both Dan and I are thankful to the mad men and women willing to give up their time for this adventure."

If you would like to sponsor the rafters ring Ian Parish on extension 38063. Money raised will go to the Pymalton Trust, the College Day Nursery and the Mangerfield Opportunity Group.

New Language Lab opens

Katie Gent, supervisor of the Language Lab, demonstrating some of the new equipment at the opening of the lab on Friday 5 May.

The view from the tower

by Don "EETIVUE" 1. MAY I BE EXCUSED? From the immovable maze of health and safety signs, it appears that the head of a department is responsible for ensuring that the effluent from his building is discharged in the norms set for connection to the public sewer system. It is rumoured that Ian Caldwell is having permission hoarded by his department which must be considered urgent. He claims that his building wishes to use the public conveniences. Perhaps these could be pre-empted in case anyone gets caught short...

2. BARRIAR, INTELLIGENCE Those interested in artificial intelligence could do worse than study the security barrier at IC. Sometimes on arrival, card insertion is greeted by frantic bleating and no upward motion of the bar. The security guard suggests the exertion of power over mind - 'push it in hard', he says. It does the trick, but on leaving in the evening, more bleats and no amount of hard pushing persuades the system to provide an escape. The guard reports that the computer monitor insists that you cannot be trying to leave as you were not legally admitted in the morning! Please send other examples of such incapable machine intelligence either to Computing or Electrical Engineering, on a postcard please.

3. LEMON GRASS ROOTS Could our boring links with Thailand have some important side effects? The traffic of academic interchange might be made to bring in its wake some traffic for tasty recipes. While it is understood that steak and kidney go down well in Bangkok, the scent of lemon grass and lime leaves waiting from Seahfield kitchens might do wonders to placate the few Thaisocopists who say that they fail to see the value of their exchange agreements.

4. WINDOW SHOPPING The Department of Mechanical Engineering has struck a positive blow for international cooperation by showing passing-by in the Exhibition Road Pantomime, Japanese and American student and congeniality dull surroundings, which are undoubtedly British.Tomorrow, the division of opinion over Europe, a machine could be shown manufacturing EU coins - the common European currency. Electrical engineers could display electronically the value of these coins in pounds sterling. Seeing the coin and its steady rise in value might leave observers in no doubt on how to vote, come a referendum.

5. WHAT'S IN A SLOGAN The VAT slogan competition has been a success. Here is another (superlative) suggestion with two elements of strategy: First, plagiarise, and second, put it in Latin which is not much understood, but sounds good. With VE Day bearing down on us, the RAF's 'Per Ardua ad Astra' might be a good model to copy. Bearing in mind the importance of Searc, the command centre in Seahfield, 'Per Trocla ad Quemum' seems entirely appropriate. Loosely translated it means 'to get to the fifth floor you need to take the lift!' (Note: 'trocola' meaning 'lifting engine') has to be used as Mr Ota was not in business at the time of Marcus Aurelius.'

Apologies to Zeppelin of The Guardian on Saturday.

The new language laboratory has been formally opened by the Rector. Command of foreign languages, he said, is vital for many jobs - but it is also invaluable for making friends with people from other countries and cultures.

The lab, opened on Friday 5 May, will be particularly helpful for overseas students improving their English, and students preparing for a year in Europe. There are now twenty full video and audio machines, as well as two computer-aided terminals. Students can dab their voice on one channel of a stereo video recording, just as they can record their voice on one track on an audio tape without erasing the master track.

From the teacher's console, a number of recordings, video and audio, can be sent out simultaneously to different students without damaging those studying privately. All members of the College are welcome to use the lab. It is situated in new 305 Mechanical Engineering and is open from 09.00-21.00 hours Monday - Friday. Every Wednesday at 14.00 hours there is an introductory demonstration (no appointment is necessary). For further information ring Katie Gent on extension 48756.

Pay on display

A s of next year, all universities will be required to publish the higher salary bands according to HEECE specifications. In advance of this directive, the College included a table in the 1993-94 Annual Accounts which followed these specifications. The following table extends the pay bands shown in the Accounts, and gives additional information. It is hoped that this will satisfy Don's speculation (Issue 1, IC Reporter).

<table>
<thead>
<tr>
<th>Earnings Bands</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under £19,999</td>
<td>3729</td>
</tr>
<tr>
<td>£20,000-£29,999</td>
<td>950</td>
</tr>
<tr>
<td>£30,000-£39,999</td>
<td>375</td>
</tr>
<tr>
<td>£40,000-£49,999</td>
<td>80</td>
</tr>
<tr>
<td>£50,000-£59,999</td>
<td>34</td>
</tr>
<tr>
<td>£60,000-£69,999</td>
<td>8</td>
</tr>
<tr>
<td>£70,000-£79,999</td>
<td>10</td>
</tr>
<tr>
<td>£80,000-£89,999</td>
<td>9</td>
</tr>
<tr>
<td>£90,000-£99,999</td>
<td>1</td>
</tr>
<tr>
<td>£100,000-£109,999</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non differentiated</td>
</tr>
<tr>
<td>Not differentiated</td>
</tr>
<tr>
<td>Includes 19 clinical academic and 49 matching staff (of whom two work for subsidiary companies)</td>
</tr>
<tr>
<td>Includes 18 clinical academic and 6 administrative staff (of whom two work for subsidiary companies)</td>
</tr>
<tr>
<td>Includes 19 clinical academic and three administrative staff</td>
</tr>
<tr>
<td>Includes seven clinical academic staff</td>
</tr>
<tr>
<td>Includes eight clinical academic staff and the Rector</td>
</tr>
<tr>
<td>Includes Clinical academic and Clinical administrative</td>
</tr>
</tbody>
</table>

Note: The figures are misleading to the extent that they include payments to academic staff made for consultancy through College subsidiary companies but no equivalent for those who consult outside the College.
Coffee Break: are we all specialists now?

A quiz designed by Professor Bryan Coles

S
ome people are worried about the fragmentation of human knowledge, which others feel that scholarship needs to be more professional and focused.

A little-known fact is that the Joint Research Office at Imperial College, to explore how areas they were of developments in fields other than their own. So I stressed them, this Joint Research Office is a personal enquiry and does not form part of a new promotion exercise.

Scoring: zero points for 'I don't know', one point if you can name the correct field of study, two points for a correct answer.

1. What is important about mitochondrial DNA?
2. What might列车 be supported by the theory of plate tectonics?
3. Outside the City of London why is the Big Ben important?
4. Where did structural changes begin and where now is deconstruction taking place?
5. Who was Lucy?
6. How many quarks to a proton and what holds them together?

7. Who worries about factor elements, chemists or engineers?
8. What was the most exciting result of the development of the electronic computer?
9. Why can it be argued that the battle of Bouvines was the most important European battle between Hastings and Waterloo?
10. What sort of mathematics has defeated a monster?
11. Where did the ribs appear, Durham or Milford?
12. Where are (or were) Cato Huyck and Mohengo-Daro?
13. Do vet communities destroy the single food chain based on photosynthesis?
14. 'What does more than Milton can, to justify God's ways to man'. Who is doing more than Milton to put chaos on the map?
15. Is the transformation BRNINO to BERNINO Galilaean?

Send your answers to Professor Bryan Coles, Physics. The names of the highest score, as well as the correct answers, will be published in the next issue of IC Reporter.

Women return to College

Report by Carrie Golus

T
wo engineers who left their careers to have children are now updating their skills at Imperial College.

Hilary White, Deputy Director of Electrical and Electronic Engineering, and Sally Klaudov, Deputy Director of Materials Resources Engineering, hold Daphne Jackson Memorial Fellowships, intended to help those who are returning to professional life or engineers return to their professions after a career break.

Fellows return by pursuing a two-year guided research project at a British university. The fellowship scheme is named in honour of Daphne Jackson, the first woman professor of physics in the UK.

Hilary studied electrical engineering first at Edinburgh University, then Strathclyde. After working as an electrical engineer for twelve years, she took a career break of six years to raise her two children. "In fact two years ago I trained to be a laboratory assistant, as this was an activity I could combine quite easily with motherhood," Hilary said. "I would probably have continued to practice if I had not seen the advertisement in the IEEE News and I decided that the Daphne Jackson Trust was the thing for me."

Hilary's research was inspired by the changing electricity industry, in which small producers can connect their generators to the local electricity grid. "This can cause problems for the regional electricity company, particularly if the type of generation is an unconventional one, such as wind generation."

Hilary explained. She is developing a software package that will model the impact that small producers have on the local grid, aiming to sell the software to these producers.

Sally, who holds a degree in mathematics from Bath University, worked in the oil industry for ten years before quitting her job to have a family. After her second child was born, Sally began to investigate the possibility of returning to her profession.

However, she did not find many options in Humberstone, where her husband works as a lead production engineer.

The Daphne Jackson Fellowship fits her needs perfectly, even allowing her to do research on a remote basis. Sally's project, an investigation of low-energy velocity flow in highly permeable reservoirs, includes a detailed literature survey, data analysis and computer modeling - all of which she can do at home. Once a month she visits Imperial to meet with her supervisor and use the library.

Combining academic work with children can be a challenge, both admit. "I don't work when the children are at home unless their father is at home or they are asleep or I am desperate. Occasionally I have had to handle calls from Continued on back page

LECTURE REVIEWS

'Camels, horses and committees - is design related to function?'

Review by David Edwards

In his inaugural lecture on Tuesday 16 May Bob Schroeter, Professor of Biological Mechanics, described his research into aspects of animal physiology involving camels, horses and penguins.

The main thrust of Bob Schroeter's work has been in the mechanics of respiration, however this lecture dealt mainly with his research into the physiology of camel and horses and how design in animals is related to function.

The successful functioning of animals under stressful conditions, such as excessive heat or lack of water is seen as vital especially when the animals are used for farming and sources of food. There are 18.5 million domesticated camels worldwide providing an important power source in many developing countries.

Experiments carried out by Professor Schroeter and his group into work rates under differing climatic conditions show that camels, in common with most animals, reach a stage where normal temperature maintenance systems such as sweating and heat exchange in the nose are unable to cope with the sustained increase in heat load.

This research has led more recently to Bob Schroeter's involvement in an investigation into heat stress as horses competing in three-day events. Following problems experienced by some of the horses in the Barcelona Olympics, the International Equine Federation has commissioned a study to safeguard the health of the equine competitors in the

The College in the changed environment of UK higher education

The consequences of the shift in Government attitude towards higher education formed the basis of the Rector's lecture. He believes awareness of these changes is vital in order for the College to survive effectively in the HE system of today.

His lecture, on Monday 15 May, began with an informative account of the history of HE since 1979. Before the reforms of the 1980s a college renowned for ex-cellent research was considered the ideal learning ground for undergraduates, so teaching and research were funded accordingly by the Government. Imperial College, one of these institutions, was the aim and inspiration for other colleges.

The Government of the 1980s was determined to expand HE. By funding teaching and research separately, the Government could expand teaching without the expense of an increase in research funding.

Illustrating his lecture with graphs, the Rector showed that the rate of HE expansion is large. In 1979 12 per cent of 18-21 year olds attended universities. Today more than a third of this age group undertake HE courses. At the same time the level of public funding of students has dropped to about two-thirds the amount it was in 1980. These figures, coupled with the changes in research funding, have inevitably led to much greater variation in degree standards nationwide, argued the Rector, and a new sort of graduate has emerged. Unfortunately the job market has not fully woken up to this change.

The massive expansion of HE nationwide in its changed emphasis means that Imperial is no longer the yardstick by which other institutions measure their achievements, he said. Instead the majority of colleges will look for ways of "doing things cheaply and in large numbers."

Continued on back page
**Diary**

**May**

**COLLEGE EVENTS**

**Wednesday 24 May**

*Humanities Programme open day*

To be held in rooms 313A and 318A. Tea and Engineering at 12:00-1:00 hours.

**Thursday 25 May**

*Network reception*

"Meeting the challenge of science communication", John Durans, Professor of Public Understanding of Science. To be held in the Clare lecture theatre (Huxley 213) at 18:00 hours. Tickets (£9.00 to IC staff, including buffet) and further information from Room 301: Sheffield Building, extension 46134.

**Friday 26 May**

*Imperial College Choir*

"Vaguely Williams 'Sensmate to Music', Smarmonacek 'Statbat Mater'; Mozart 'Requiem'. To be held at the Great Hall at 20:00 hours. Tickets available from choir members: level 2, Sheffield Building, 25-29 May at 12:00-14:00 hours; and on the door. Price £15.00 (£25.00 students).

**Wednesday 31 May**

*European Social Fund seminar*

Alan Batty will discuss the current situation, highlight the expected changes, and advice on how to make successful applications.

To be held in the Clare lecture theatre at 13:30 hours.

**EXHIBITIONS**

**28 May - 3 September**

*Science, Enquiry, Scientist, Artist and Educator*

To be held in the Science Museum picture gallery.

**LECTURES**

**Tuesday 3 May**

*Almworth Lecture*

"Gastric, lymphoma, infection, necrosis or both?" Professor Peter Isaacson, University College, London. To be held in the Almworth lecture theatre, Wright Fleming Institute at 17:00 hours.

**Wednesday 2 May**

*Almworth Lecture*

"How private is life of polymonomials?" Eduardo Ortiz, Professor of Mathematics. To be held in the Clare lecture theatre (Huxley 213) at 17:30 hours.

**Tuesday 30 May**

*Almworth Lecture*

"How to stop cancer?" Professor David Lane, Medical Sciences Institute. To be held in the Almworth lecture theatre, Wright Fleming Institute at 17:00 hours.

**TRAINING PROGRAMME COURSES**

**Wednesday 31 May**

*Course for academic and research staff*

"Supervising research students". Afternoon course, no charge. For further information ring extension 455210.

**Wednesday 31 May**

*Health and safety course*

"Practicals of cylinder handling". A morning course. No charge. For further information ring extension 49422.

**31 May - 1 June**

*Computing course*

"Unix 123 for DOS level 1". Charge £20.00. For further information ring extension 45530.

**June**

**COLLEGE EVENTS**

**Wednesday 7 June**

*ICCT symposium on the environment and health*

To be held in the Clare lecture theatre (Huxley 213), all day. Further information from Diana Paterson, extension 49274 or e-mail dplox.

**Wednesday 14 June**

*Imperial College Environment Day*

The day will consist of a series of presentations, an exhibition, and the launch of the environment brochure. Further information from the Graduate School of the Environment, extension 47460 or e-mail GSE.

**Friday 16 June**

*Department of Physics' first year undergraduate projects open day*

The Department will be open to 6th and 7th form students from 14:00-17:00 hours. Any staff member who would like to forward a postcard for this event to a "Who wants it" ring Bob Speer on extension 47514.

**Thursday 22 June**

*College open day*

All departments will be open for 6th and 7th form students. Further information from the Schools Union Office, extension 580012.

**Saturday 24 June**

*St Mary's Pantomime Summer Ball*

To be held at the Park Lane Hotel, Picadilly. Further information from Robert Hughes, telephone 0171 295 1199.

**26 June - 7 July**

*WISE courses*

A series of two-day residential courses in science and engineering for lower sixth girls. Further information from the Schools Union Office, extension 580012.

**LECTURES**

**Thursday 1 June**

*College lectures*

"Enough is never enough" - how the College gets its income and how it allocates it. Professor John Archer (Deputy Rector). The College Estate. Professor Bill Wakeham (Head of Chemical Engineering Department). To be held in the Clare lecture theatre at 16:30 hours.

**Tuesday 6 June**

*Imperial College Environment Day*

The day will consist of a series of presentations, an exhibition, and the launch of the environment brochure. Further information from the Graduate School of the Environment, extension 47460 or e-mail GSE.

**Wednesday 14 June**

*Computing course*

"Linux 123 for DOS level 2". Charge £60. For further information ring extension 45520.

**13 - 14 June**

*Course for academic and research staff*

"Speaking technically". No charge. For further information ring extension 45520.

**14 - 15 June**

*Course for academic and research staff*

"Speaking technically". No charge. For further information ring extension 45520.

**The Alexander Technique**

Private lessons are available at Imperial College Health Centre on Mondays, Tuesdays and Fridays in the morning. For further information and appointments contact Pauline Wetherill on 0171-837 6932.

**Tapes, tapes...**

"I have a large collection of QC-150 and TK50 computer tapes available for free charge. One careful owner. Also some real tapes dated from the year dot. Hurry, hurry, hurry - I'm drowning in the blesseds!" Contact Marie Brent, on extension 64472 or e-mail mbren.

**Careers on WWW**

The Careers Advisory Service now provides information on the World Wide Web about the services it offers. Staff and students can access this information via computer terminals throughout the College.

**Training vacancies for mechanical engineering technicians**

An opportunity exists for two people to join the technicians training programme. IC are offering a basic four years' full-time training, leading to BTEC qualifications in mechanical engineering. Applications by Friday 21 July. Further information and application forms from Penny Clarke, room 313A Sheffield Building, extension 45519.

**Training vacancies for life science technicians**

An opportunity exists for two people to join the technicians training programme. IC are offering a basic four years' full-time training, leading to BTEC qualifications in biological sciences. Applications should be received by Friday 21 July. Further information and application forms from Penny Clarke, room 313A Sheffield Building, extension 45519.

Continued from page three

UK higher education

HE of the future may feature modular system, suggested the Rector, where students can transfer credits to a variety of different universities. Three- or four-year residential undergraduate course will be to degrees which can be studied over a number of years at different places, with periods of time spent back at work.

The Rector encouraged the audience to look to the future and consider the role IC has to play in HE today, not simply back to the 'golden ages' of the past. He believes that there was and would continue to be a demand for continuous, demanding residential education, as the kind upon which the College

has built its reputation. But the case for it would have to be made positively; it is more expensive and in breadth is hard to quantify. He stressed the importance of finding ways of providing it more economically. The pressure to charges add, fees, as demonstrated by the US system, is growing, he continued, although it could only happen in an environment where this practice was the accepted norm.

In conclusion the Rector pointed to the research trends of the future, specifically medical, health and environmental issues. He also mentioned the boom in IT, saying, "We believe that what will happen because of the increased activity in this area, but it will undoubtedly affect our teaching and research of the future".

Continued from page three

Women returning to industry representatives when the children have been at home", Sally said. "As a result of one such call I found myself in a union negotiation with Sam over the use of the computer. He wanted to play Noddy's Adventure and I needed to send a fax."

However, the benefits of not doing the domestic. "I have always felt that it was important for my children to see that I have a career and in my weak I really continued. "Hannah and Sam turn my work days into family work days. He believes that what will happen because of the increased activity in this area, but it will undoubtedly affect our teaching and research of the future".

Funding for the Fellowship scheme comes from charitable trusts, industry and universities. Sally Kinnauld's Fellowship is funded by Imperial, while Hilary White's is jointly funded by Imperial and BMA 1851 Commission.

Contact Carol at the Medical Library Office.

**VAT slogan**

Apologies for the delay in announcing the winner. The judges have selected two slogans which have been put forward to the VAT man and we are awaiting the decision. Hopefully this will be received in time for inclusion in the next issue of IC Reporter.