



# Felix

## NEWSPAPER OF IMPERIAL COLLEGE UNION

### Cruise On!

The results of the Sabbatical Elections were officially announced at the Results UGM yesterday. The full results appear on page 3. Also at the meeting elections for non-sabbatical Union Officers were held following which no less than five motions were passed. Union President Gaynor Lewis was mandated to write to Ronald Reagan to request that a cruise missile be named 'Imperial College Union'.

The election results were as reported in the special FELIX news sheet on Wednesday. Ian Bull, Dave Parry, Eric Darbyshire and Dave Rowe were elected President, DP, Hon Sec and FELIX Editor respectively. Of the elections held at yesterday's UGM only that for External Affairs Officer was contested, with Jo Claybrain (*Shome mishtake shurely - Ed*) beating Michael Newman for the post. Other Officers for next year will be Graham Thorpe (Academic Affairs), James Benbow (Rag Chairman), Dave Allen (Ents Officer), J Martin Taylor (Internal Services) and Mike Stuart (Welfare). The post of Community Action Group Chairman remains vacant. Sean Davis was elected unopposed as UGM Chairman.

The meeting then moved on to motions. A motion proposed by Simon Neild that observers be sent to the next NUS conference was passed. Papers for two observers, to be elected by Council, will go up on Monday.

Next on the agenda was a motion on Grenada and the Lebanon but the meeting voted not to hear this. Then the motion on Cruise missiles was heard. The motion called for protest by the Union about Cruise being stationed in Britain, but an amendment proposed by Tim Williams, RSMU VP, which instructed the Union President to write to Ronald Reagan asking for a missile to be named after ICU was carried overwhelmingly, as was the amended motion.

Two serious motions, one opposing the abolition of the ILEA and the other calling for collections to be held for the World University Service scholarship fund, were then passed with little opposition. Michael Newman's motion on Pimps was then considered but received no votes at all. Finally an emergency motion that all present be bought a pint in the Queen's Arms by the present sabbaticals was passed with only three votes against.

### PROF SLAMS ICU

The consequences of further cutbacks in Government funding would be disastrous for Imperial College, according to the Pro-Rector. Speaking at an open meeting called to discuss the College's response to the recent University Grants Committee questionnaire on the future of higher education, Professor Alan Swanson said that the result of assumptions required by the questions would be that the College would have to close 'a medium-sized department'. He severely criticised the Union for its poor and unconstructive reply to the questionnaire, twice stating that there had been 'very little response' from the Union despite his invitation to all interested bodies in College to contribute.

The meeting was called so that the Pro-Rector, who is co-ordinating IC's response, could explain its main points to interested members of College. The UGC has asked 28 questions, to all of which College is replying. The first three questions are, however, the most fundamental.

Question number one asks for the College's plans if over the next five years there is constant funding with student numbers remaining static. The second question supposes a cut in resources with constant student numbers, and the third asks for plans for the subsequent five years (1990-95) if student numbers decline by about 15% as suggested by demographic trends.

The College would face difficulties even in the first of these scenarios, said Professor Swanson. Already maintenance of buildings has been cut back to extremely low levels and this could soon result in serious problems. Staff cuts by early retirement have left many departments with no scheduled retirements for up to four years. The situation if there were to be further cuts following those over the last five years would be such that the College would have to close a 'medium-sized department' according to Professor Swanson. He hoped sanity would prevail and that the Government would not seek to impose such damage on Imperial College.

running through the College's response is the need to give priority to technological subjects at the expense, if necessary, of less vocational subjects. Whilst the College believes there should be academic activity concerned with 'everything which human beings have thought about', useful or not, it is concerned with producing trained scientists and engineers upon whom the nation's economic health depends.

In replying to a question from a student in the audience who asked if the College would include in its response the view that students would be discouraged from going to University if the value of the student grant was further reduced. Professor Swanson said he felt that it was up to the Union to push forward such contributions. The Union has, in his opinion, failed to respond adequately to the questionnaire, giving excuses about being busy with other matters.

It was reported in FELIX issue 663 that the Union's response to the questionnaire would not be taken seriously by College because it was badly written and wishy-washy. It seems that this assessment of the Union response is shared by the Pro-Rector. Union President Gaynor Lewis, one of the authors of the Union response, was reported after the meeting to be 'hopping mad' about the Pro-Rector's comments.

See feature, page 4, and editorial comment

One of the main themes



EAO Peter Burt and Pro-Rector Professor Swanson



## Cottle Waffle

Dear Pallab

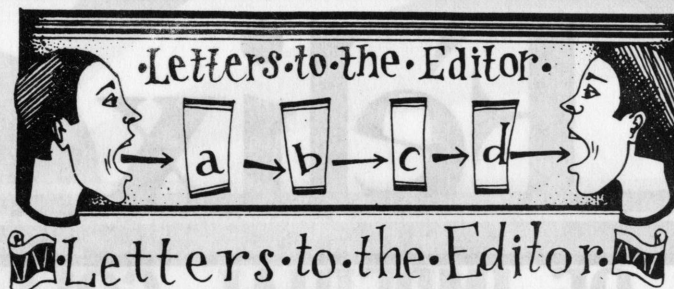
I hope you will prove your editorial integrity by printing this.

Here are a few words about my recent involvement in the election for FELIX Editor, which I feel are in order at this time. I still believe I did not infringe the Union publicity rules in any clearly obvious way. Further, I believe the vigour with which some people in this College regard rules and constitutions as sacred in some way, as a general malaise which affects the whole structure of ICU. It seems as if, in too many situations, doing things as conventions says or as they have always been done, is regarded as a sure fire formula for success. IC has a traditionally moderate union, but too often these days this appears to translate as bureaucratic, pompous and apathetic, such an attitude will not be of much use in preventing College doing drastic things to rents.

I should point out before I go any further that at no time was I consulted by the elections committee, in any way, about the article in *Guildsheet* I am held responsible for, and in which my principle involvement was the typing. My only crime as far as I can see is that I did not go out of my way to prevent its publication. I suggestion that the election committee may have been less correct than they believed, as a result of their enthusiasm.

As far as certain letters of appeal are concerned I wish to make it clear that they were forged. I had intended until the day of the UGM not to appeal further in order not to extend already overlong proceedings.

I would also like to make a few points about my object in standing as a candidate. I did not particularly want to be FELIX Editor. I chose the post to be a joke candidate far as there were already too many for the presidency. This all arose as a result of a number of people expressing the following views. First and most obvious that most of what is presented to the 'average student' is a load of total rhetoric and bears the same relationship to the truth as page three of the Sun does to investigative journalism. Second, that no one should be



under any sort of illusion about the type of person standing. The truth is that people like Aidon Jennery are probably more realistic about themselves than the likes of messrs Bull and Simion. The College administrators are professionals at their jobs (catering excluded of course) and it will require more than experience of sitting on hack committees to influence them greatly on matters such as residence and control of Union bars. Remember if John Smith makes a concession the first reaction should be to question his motive rather than claim a victory.

Having said all this I particularly wish Dave Parry luck with his stated intentions and cannot stress too strongly that everyone should try to get involved on these matters.

Lastly I would like to make clear that none of the comments which I personally am responsible, should be regarded as a criticism of what you have tried to make of FELIX. We have seen promises made for next year, and it will be interesting to see how practical reality compares. Certainly anybody wishing to make the sort of attacks, which have been levelled against FELIX should be very sure they could do better. This said I am appalled at last week's letters page, and in particular the fact that you chose to print a religious advert as a space filler, while stating in the manifesto section that I did not submit any material. This is not quite true as I placed a short letter stating my position into the copy tray while it was not more than three feet from your face, I will admit however that it was four minutes after the copy deadline (most important if things are to be correct to the letter). Nevertheless I was denied any voice at all and you did not do yourself justice. I wish, to repeat here one point from that letter, that the section of Paul Simion's manifesto attributed to me, was not in any way my work (I seem to have a big problem with this sort of thing). I hope those people who

regarded me as a mental retard will see their way clear to give me a chance to revive my credibility.

Yours sincerely

Mark Cottle

Spanner Editor

(After such a profound and well written letter Mark I cant imagine anyone thinking of you as a mental retard-Ed.)

## Peanuts

Dear Pallab

With regard to the sabbatical elections, not yet knowing the results of course, could the elections committee ask Ian Bull if he obtained copyright from Schulz; and if not has he broke the election rules?

Yours

K Evans, K Fearnley, La Iatrou,

E McDonnell.

Physics 3

## Nose Nonsense

Dear Ed

Just the other day I remarked to quite a close associate that I had been blowing my nose on frequent occasions recently. They replied that they didn't tell me every time they blew theirs! Well! This led me to ponder the subject of social intercourse with in depth analysis on bogey subjects of our time and culture(s).

I reasoned that my colleague must surely have been embarrassed by the stinging honesty of the remark, and, unused to such an open attitude became slightly offensive, which was obviously a reaction they could not help and, which I sympathise and understand.

My point is that we should all try to embrace each others quirks a bit more and not limit ourselves to just certain parts of the body. Remember, noses fit into things too. Now, if you'll excuse me I'll have to blow—

Aaaachooooo

Peter Dawson

## Bible Vindicated

Dear Pallab

I was very interested to read in your last issue Mr T Sheriff's letter concerning the existence of God. On this point Mr Sheriff and I are totally in agreement. However, I would like to clear up a misunderstanding. In his letter he asserts that the Old Testament and the Gospel are not intact in their original form. In the British museum there are manuscripts of the Gospels that date from a time only shortly after the Life of Christ. These are the manuscripts used in translating the English Bible. It is interesting to note that there are about 100 manuscripts of the New Testament, whereas undisputed Greek poetry such as Homer's Iliad have very few reliable manuscripts.

Also, when the dead sea scrolls were discovered it was found that they corresponded almost exactly to later manuscripts, and if such a standard is maintained then the Old Testament is trustworthy. (The Dead Sea Scrolls predate Christ.)

Perhaps Mr Sheriff would be interested in attending his departmental Bible study, where he would be welcome to discuss these things in greater length.

Yours sincerely

S Bisset

Civ Eng 2

## Insignificant Nobody

Dear Pallab

I'm writing to thank FELIX for dispelling the misapprehension I'd been under for the last nineteen years that my name was Simon Redlich

I was relieved to discover at last that my name is in fact Paul Richardson, as reported in last week's FELIX under the picture of the new RCS Exec.

My only remaining fear is that perhaps my name is Simon Redlich but I have a long lost identical twin called Paul Richardson walking around College who is to be RCS HJT next year in place of myself.

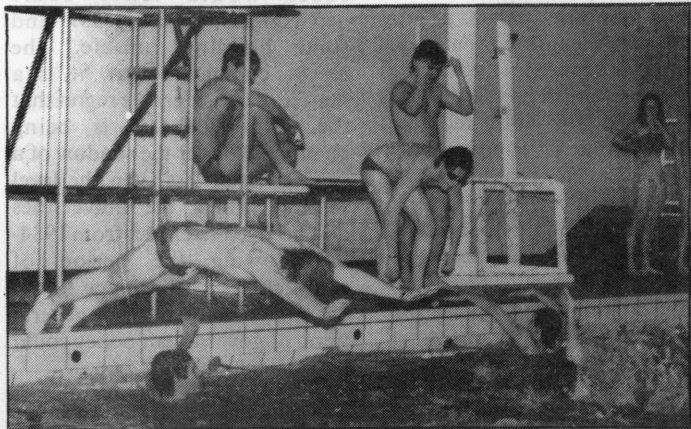
Could your team of ace investigative reporters resolve this quandary for me?

Yours

Simon Redlich/Paul Richardson  
Possibly RCS HJT 1984/5



## CCUs Make Waves



The RCS and Guilds College fought a close battle in the Swimming Gala last Thursday with Guilds just getting the edge in the relay events. The final result was Guilds 136 points, RCS 109 and Mines 67. Mines Union, however, completely dominated the water-polo event, easily beating both the other CCUs.

## Rag Week Flop

Last Wednesday, Paul Cronk, a Sabbatical Officer of University College Union, was kidnapped by members of the Royal College of Science as a stunt for the mini-Rag Week. After several hours of negotiation, during which they convinced UCL Union that LSE had kidnapped him as part of the hunt for Bruce the Beaver, he was released in exchange for a case of Fosters and £5.

This stunt was the only high spot in an otherwise disappointing Rag Week. Tuesday's Silly Sports event was not successful, raising only £10, and the Hypnosis Lecture scheduled

for Tuesday evening had to be postponed owing to the hypnotist, Martin S Taylor, falling ill. It is hoped that the street collections held tonight and tomorrow morning will be more of a success. The Royal College of Science will be collecting outside Harrods at 5.30pm today and will be leap-frogging down Kensington High Street tomorrow morning. City and Guilds College will be having a Pyjama Rag outside Harrods on Saturday morning. Those wishing to take part should turn up to their CCU Offices at 10.00am.

## UGM Sketch

ICU had a brainstorm at yesterday's Union General Meeting and passed several 'trendy left-wing' motions with a minimum of fuss after refusing to hear them for months. However, despite all these near-miracles the meeting stopped just short of voting for the second coming - Michael Newman will not be next year's External Affairs Officer. Michael was not present for the start of the election but briefly flustered in during Jo Claydon's, his opponent's speech. Miss Claydon's speech was 'uneventful' and even prompted J. Martin Taylor, FELIX News Editor and

widely believed to be the most boring speaker in the history of this college, to utter 'I was never as boring as that'.

Total lunacy then prevailed - usually revolving round Mines VP Tim Williams who made several speeches - usually totally irrelevant - and always carrying a package the size of a video tape, probably something pornographic about animals and coloured people down South African Mines. Mr Williams' major success however was in commending a motion, subsequently passed, that Gaynor Lewis should write to Ronald Reagan ordering him to name one cruise missile Imperial College Union.

## Aussies Move in

A new travel agency is to begin trading at IC at the beginning of next term. They are Student Travel of Australia (STA) and will operate under the name *ULU Travel at IC*.

STA, who are presently based on the Old Brompton Road, will build an office at IC during the Easter vacation. The old corner bar in the JCR will be adapted for this purpose at a cost of around £5000. STA will pay for the conversion themselves. The building plans are at present awaiting approval by Estates expert, Mr Hector Cameron Clark.

The contract with STA is still under consideration, but it seems that it will be of considerable benefit to IC Union. They will receive 1% of all takings with a guaranteed minimum income of

£2500 per annum.

STA will probably be here for a minimum of five years, but they could be given a year's notice to quit before that time, if necessary. They already operate successfully at ULU and Queen Mary's College and negotiations are under way with Royal Holloway.

The new travel agency replaces London Student Travel, who left IC during the summer after a storm of protests from students about poor service. One student successfully sued LST for selling him an over-priced ticket.

The redundant bar in the JCR will be little missed. It was chiefly used for 'after-hours' bars using cloakroom tickets, a practice that was discontinued after warnings from the police.

## RESULTS BREAKDOWN

### Voting for the post of President

CANDIDATE	1st COUNT	2nd COUNT
BARNETT	53	
BULL	653	
FISH	97	
JENNERY	105	
LARRINGTON	101	
SIMION	132	

Total Poll: 1380; Abstentions: 220; Spoilt Votes: 19; Total Valid Poll: 1141;

### BULL WINS

### Voting for the post of FELIX Editor

CANDIDATE	1st COUNT	2nd COUNT
NOYCE	409	486
ROWE	414	571
RODGERS	405	(171)

Total Poll: 1383; Abstentions: 138; Spoilt Votes: 17; Total Valid Poll: 1228;

### ROWE WINS

### Voting for the post of Hon Sec

CANDIDATE	1st COUNT	2nd COUNT
DARBYSHIRE	713	
HOUSE	286	

Total Poll: 1369; Abstentions: 352; Spoilt Votes: 18; Total Valid Poll: 999;

### DARBYSHIRE WINS



# Cuts: The Crisis Continues

## IC Under Attack

Imperial College has recently been informed by the University Grants Committee (UGC) of its recurrent grant for the 1984/5 session.

The College is to receive £28.06m from the UGC, compared with £27.29m for this year. However, in real terms this represents a cut of 2½% (assuming Retail Price Inflation of 5.5%), despite Government promises of level funding over this period.

## What will this mean for students?

In the words of one department's Director of Undergraduate Studies, 'if we have a cut of 2½%, the effect on the teaching budget will be 10%, as the salaries bill for the College must firstly be paid. This will affect the quality of courses.' Departments will be unable to take any initiative in modernizing courses. There is no money to spend on new equipment; students will be unfamiliar with new techniques and applications. All other things being equal, IC students will be less attractive to an employer than you would have been had you graduated three years earlier.

Since departments are having to fight for money for academic purposes, there will certainly be nothing to spend on subsidising College services such as refectories, and, as we have recently seen, residences. This will lead to even more price increases with the effect of squeezing your grant still further. Libraries and Welfare Services, both important to students, are also 'soft targets' for College to constrict when saving money.

Things look bad for students. The prospects are even worse for others when we consider the effect of jobs losses.

## The Government Looks to the Future

The recently published Public Expenditure White Paper gives a few hints as to how the Education sector can expect to fare over the next couple of years. Education as a whole will receive a cut in provision unless inflation and wage increases are held at levels generally considered to be optimistically low. The Universities are told that 'the cash available will require a measure of increased economy if standards are to be maintained'. This is because a half per cent 'efficiency cut' is to be made in their funding.

Sir Peter Swinnerton-Dyer, chairman of the UGC, has confirmed that the Universities can expect 'nibbling away' of their resources over the next few years.

Efficiency cuts sound laudable in principle, but in practise many feel that efficiency within the Universities will not be improved by the understaffing which usually results from such cuts. At a time when demand for higher education is rising and inflation and wages are beginning to creep up, it seems that inefficiency is not all that will be cut.

## Colleges Look to the Future

Imperial College has by now drafted a document, yet to be ultimately approved by the Governing Body, in response to the UGC's '28 questions' consultation. The report explains how the College intends to adopt to the changing forces in Higher Education into the 1990s, and is

clearly of major importance in subsequent planning.

The response paints a grim picture for the future even if level funding is granted. It states that 'if the present depressed level is maintained for both recurrent and equipment funding, new initiatives in teaching and research will be very severely restricted, the quality of both will suffer, and opportunities to do research which would be valuable to the community will be turned down, because the College will not be able to provide the necessary facilities.' We are also told that 'no major expansion of activity would be possible, and the resources for even small initiatives would have to be found by contracting other activities'.

The consequences of further cuts would be disastrous, requiring abandonment of all academic initiatives, reductions

in academic staff and, in extreme cases would leave some departments unmanageable and some buildings unsafe. The report comments that 'it is a matter of considerable regret that the 'great debate' is being conducted under the shadow of a suggestion of less than the level funding which the universities had been led to expect from 1984-5 following the period of contraction. The damage to the universities caused by the general trend of government policy could be incalculable'.

On the whole, the draft report makes a series of constructive comments on a range of issues. However, it takes a disappointing stance on the question of expanding student access to the college. Imperial College would not be prepared to take on bright individuals who do not, unfortunately, have the necessary formal qualifications. Due to the advanced nature of courses offered at IC, A Levels are felt to be necessary if students are to cope with their studies. However, the College is dismissive of 'conversion' courses, which could allow suitable unqualified students to reach the necessary level of understanding for entry to degree courses. This is, perhaps, surprising in view of press reports following rioting such areas as Brixton and Toxteth which suggested that Imperial College would be prepared to take on just such underprivileged youngsters. The College does, however, call for an increase in the overall participation rate in Higher Education, and this is to be welcomed.

The College could also be accused of taking an unduly self-interested view in calling for a shift of students towards science and engineering courses. College knows full well that the Government is likely to use any excuse to further attack the teaching of Arts and Humanities, thus restricting student choice of courses in what is, after all, supposed to be a free country. The response fails to point out that degrees in scientific and engineering subjects cost approximately twice as much as degrees in Arts subjects.

The College feels that no useful purpose would be served in reducing degree lengths to two years or by lengthening the academic year to accommodate this. It also favours an increase in



Dear

As a student at Imperial College, London, I note with great disappointment the recent Department of Education and Science (DES) proposals concerning Student Awards for the 1984/5 session.

The DES plan an increase in the student once again face a cut in their real income. Increases in the parental contribution and halving of the minimum grant means that students will be even more dependent upon the goodwill of their parents. Plans to reform the present system of travel payments will undoubtedly place students who live some distance from their college at a severe disadvantage if implemented.

The wider issue of cutbacks to Higher Education as a whole is of major concern to me. Local Authority Higher Education is facing drastic pruning this year and the Universities have been asked how they would react to a further drop in their resources. Imperial College itself, an internationally respected college of science and technology, faces a 2½% cut in funding over the next academic year in real terms. Whilst I am aware that the government is committed to reducing public expenditure, I would point out the importance of skilled graduates as an investment towards the long term wellbeing of the country.

I would be very grateful if you would reply to me outlining your opinion on these matters. If you share the concern of students I should be grateful if you would raise the issue as a Parliamentary question, or directly with Mr Peter Brooke, Under-Secretary of State at the DES and by calling for a full Parliamentary debate on the education cuts in general.

Thank you for your assistance in this matter.  
Yours sincerely

Write a letter like this to your MP (you can find out who he is in the Union Office). Remember, He's your MP-



the proportion of postgraduate students studying here.  
Protect Yourself!  
Write!  
Imperial College Union is organising a campaign of letter-writing to MPs as a protest against education cuts. If you have not already done so, please, please, please make an effort to write—it only takes five minutes. Lists of MPs, paper and envelopes are available in the Union Office, and we will post the letter for you free of charge. A suggested text for your letter is shown

**Travelling Light**  
The Government has announced how it intends to revise the arrangements for refunding students with their travel expenses. At present students can claim back on a 'pound for pound' basis costs of over £50 for daily travel into College and for the journeys to and from their parents' home at the beginning and end of each term. Two alternative replacement systems have now been proposed. All grants could firstly contain a 'flat rate' of £110 to cover travel. The second option is a 'differential'

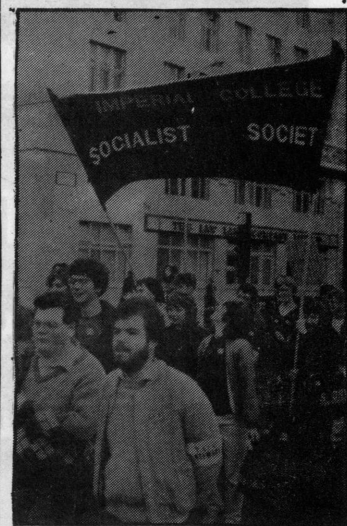
system in which those living away from their parents receive £100 and those remaining at home receive £160.

London students are likely to suffer particularly harshly if these plans are implemented.

The changes are ostensibly being introduced in order to reduce administration. However, it is no secret that Sir Keith Joseph, Secretary of State for Education, feels that students who choose to study away from home should be prepared to make sacrifices for this privilege. Sir Keith conveniently ignores the fact that many students have only a restricted choice of where to study.

The proposals have already been rejected by the Scottish Education Department because of the severe hardship they would cause. Ministers themselves admit that they will involve 'rough justice' for students. A relatively small amount of money would be saved if they were introduced in England and Wales, yet many students would lose out badly in financial terms.

Please write to your MP and oppose the plans to alter the current system. ICU is campaigning on this issue, and it would be of great assistance if all students were to fill in the coupon



**March!**  
Tomorrow sees a major demonstration in London for a 'New Deal' for young people. It starts at 11:00am outside County Hall with a march calling for improved education and training schemes as an alternative to the dole. The march finishes in the afternoon at Battersea Park, where there will be a festival with music, speakers and food etc.  
IC Union will be participating in the demonstration. We will be meeting at Beit Arch at 10:00am. Come along—the more the merrier!

Please return to: External Affairs Committee, IC Union, Beit Quad

1. Total amount spent per year in termly travel to and from College .....
2. Means of termly travel (eg car, coach, train etc) .....
3. Total amount spent per year in daily travel into College .....
4. Means of travel .....
5. Do you commute in daily from your parents' home? .....
6. How much did you claim back from your LEA in travel expenses last year (1982/83)?

## SUCKER VALUE FOR MONEY





# THE GAS PEOPLE WORKING FOR TOMORROW'S WORLD TODAY.



If your home uses gas — and the chances are it will, since British Gas is the largest single supplier of heat in Britain — then you are benefiting from yesterday's planning and investment in advanced technology by the gas people.

Yesterday's research anticipated the needs of today's customers, and some of the developments produced by the gas people were revolutionary.

Did you know, for instance, that the gas people helped to pioneer the technology for transporting gas across the world's oceans — gas which would otherwise be wastefully flared-off? This was done by cooling the gas into liquid form at minus 160°C and carrying it in specially designed tankers. The transportation of LNG is now a major world trade.

The gas people also saw opportunities in newly available gas-making feedstocks and developed the Catalytic Rich Gas process for making gas from oil, rather than coal. Advances like these underpinned the transformation of an ageing industry into a highly competitive and rapidly expanding modern business.

The gas people went on to exploit the natural gas which they had helped to discover around our shores. To achieve this they constructed a network of underground high pressure steel pipelines to the highest standards. A great deal of money and technical expertise were expended in devising a means of inspecting these pipelines, and a sophisticated electronic and mechanical device called an 'intelligent pig' was developed. It works inside the pipeline while the gas is still flowing.

## TOMORROW'S WORLD

Yesterday, the gas people solved what would have been today's problems, and we've given you just a few examples. But you may be more interested in the work we're doing today to solve tomorrow's.

For instance, in readiness for the time when Britain's indigenous supplies of natural gas begin to decline, and nobody knows when that will be, the gas people have already developed the technology for producing substitute natural gas from coal. The results of this pioneering work are being viewed with great interest in many parts of the world. Whichever feedstock is available at a competitive price, however, the gas people intend to have the technology to produce a substitute natural gas from it.

And because gas will still be there for tomorrow's customers, the gas people are helping to develop a new generation of appliances for tomorrow's low-energy homes. They are starting to apply ways of recuperating waste heat in industrial and commercial applications by using gas engine-driven heat pumps. These reverse the normal process by which heat flows from a high temperature to a lower and so can consume less energy than they deliver! The gas people are even looking at new ways to avoid traffic congestion — by replacing underground gas pipes without the need for digging up the road!

Much more is going on besides, so if you'd like to find out about today's high-tech gas industry, write to the Public Relations Department, British Gas, Rivermill House, 152 Grosvenor Road, London SW1V 3JL.

**Gas**

## WONDERFUEL GAS FROM THE GAS PEOPLE- WORKING FOR TOMORROW'S WORLD TODAY



# Galileo was right!

Three hundred and forty-two years after his death, the subject of Dramsoc's production is in the news again. "Galileo's so called heresy does not seem to have any theological or canonical basis" admits an inquiry by the Vatican after three years study. Galileo was condemned in 1616 and again in 1633.

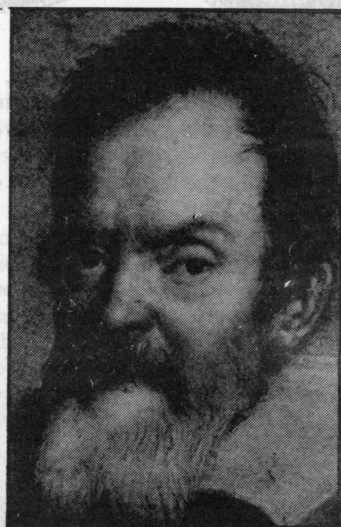
The play 'Galileo' is by Bertolt Brecht, author of 'Baal', a recent TV production starred David Bowie and the 'Caucasian Chalk Circle'. It tells the story of Galileo and his struggle to get his ideas accepted by the Church authorities. Like Galileo, Brecht was no stranger to controversy, fleeing Germany in 1933 when Hitler came to power. Even the translator from the original German, Howard Brenton, was threatened with prosecution by Mary Whitehouse for his own play 'The Romans in Britain'.

"It shows how difficult it is to get new ideas accepted,"

said the director of Dramsoc's production when he saw the story reported in the *Guardian*. The play is in the Union Concert Hall next week from Wednesday to Saturday at 7.00pm each evening. It is probably the most ambitious they have ever mounted. The stage with over four levels is specially built on the floor of the hall, and the entire production will have involved over thirty people.



Last Saturday's *Guardian*



Galileo

The play begins in 1610 when Galileo is working in Venice and presents his development of the telescope to the *Doge*. Already known for his works on falling bodies and mechanics, he uses his telescope to examine the heavens and finds proof for the theories of Copernicus. The Church authorities had previously based their teaching on Aristotle and the Ptolemaic system of the universe, which agreed with the Bible and placed the Earth at the centre of the universe.

Galileo's teaching and his position as champion of the new theories attracts the attention of the Church and his work is suppressed.

In his 'Dialogue on the two Chief World Systems', the Ptolemaic Copernican, he tried to prove that Copernicus was right and used a character called *Simplicio*, a simpleton, to put the Ptolemaic view. The Pope, Urban VIII recognised the arguments as ones he had personally put to Galileo, and the inquisition took its cue. Galileo was condemned and spent the rest of his life under house arrest.

The story also contains hope and heroism. "The blood runs cold with fear when one thinks of the courage men and women find to carry truths over borders in our day", writes the translator. Galileo's realistic attitude is as relevant today as when witches were burnt in the seventeenth century.

MONK: Won't the truth, if it is the truth, prevail with or without us?

GALILEO: No, no, no. As much of the truth will prevail that we make prevail.

## S M A L L A D S

### FOR SALE

●One ladies silver collapsable bike, excellent condition with dynamo lights £450ono; without dynamo lights £35. Contact M Fowkes, Chem Eng 2 via letter-racks.

●Ibanez electric guitar red, humbuckers, all brass fittings and hardcase, £150ono. J Sidney-Woollett, 373 8675.

●Total CB set up: York JCB 863 40 CH rig, 12 volt PSU, 3 aerials, SWR meter, all cables, audio splitter box and many extras. Full instructions are included. One year old, little used. £50 ono may PEX for hi-fi equipment. Contact Mr G Tocher, Night Security, Mech Eng.

### WANTED

●Any Attack, The Pyramid, Valhalla, The Quill, Scrabble, Domsday Castle, Snooker, Psst. C Simpson, Physics 3 (76 games to swap!)

●Urgently required—IC Water Polo Club require penalty taker. Contact G Hurley, Civ Eng PG.

### LOST AND FOUND

●Lost: Cadburys Dairy Milk pencil case probably left in Chem LTE. Please contact G Sturridge via Biochem letter-rack.

●Lost last Wednesday in Mines or Physics, one pair brown suede gloves. Please contact K Evans, Physics 3.

### ANNOUNCEMENTS

●Why not take a trip with LSD on 'The Easter Cruise'. Tickets £3.50 (meal inc) from Life Sci 1 soc reps.

●Salon music with a popular flavour. A piano recital by Domingos Vasconcelos, 6:45pm, Wednesday 14 March in the Music Room, 53 Princes

Gate. The concert is followed by a dinner (£4) in the Polish Heart Club, next door. A tasty evening where people and music are mixed. Would you prove that in South Ken crafts are not missing arts? Please help yourself. For further details please contact Jo in Union Office.

●Hamsoc—What is it? Find out in this issue.

●Free coach—to Motspur Park Sat 10 March to see IC3 win the ULU Upper Reserves Cup Final. Meet ULL 9:15am KO 11:00am. Bar from noon! Names to Union noticeboards please.

### PERSONAL

●ICWPC thank our four loyal supporters for their performances (?) at UAU.

●The rise of the Coleman Empire is nigh.

●Have I finally passed my test?? SJW.

●AH: Alan or Adolf?

●Young lady needed to share flat with sexy, witty Australian. Accommodation free as living in sub-wardens flat, possibly warden next year if can find right girl. See G D Oakes, Geology PG, Willi-J subwarden, 69 Evelyn Gdns.

●Who wants to be a millionaire? I do! Who wants an MSC to chair? I do! Don't forget papers will go up soon for the SCC Exec.

●Simon—you may be a fascist, terrorist pinko but we're proud of you.

●Situations vacant: housemaid required for spacious detached house in select Kingston suburb. Duties include cleaning up after five unhoused, broken male residents. Must be good cook, subservient, GIB. Apply J Bendow c/o Rag Office.

●Birthday greetings to a piss-head.

●It only comes when I fiddle with it...Diane.

●To SS I'll soon be yours. RJ.

●Kill every rebel—rousing yodeller. Look out! Very evenly spread despite all weird noises.

●Diggers—Anyone who hasn't yet given the Secretary (John Cain, 421) a £12 cheque yet (inc mucho booze etc) for the annual dinner will miss the event of the year; UDH, 7 for 7:30, Thurs 15 March. All cheques must be in by this w/e.

●Kevin and Cymra: The pork was perfection, the dessert divine. Thanks, the Unticklish.

●Big: where did you get that outfit?

●Hey triple nipple: with menage a trois and your 3rd leg, 3's never been so sexy.

●To all members of IC Water Polo Club involved in winning the UAU Championship: Well played everyone—Python.

●Jane R, is it just the desk you come for?

●Big: you were hot on Wednesday no wonder they call you BIG.

●Carlo: To se uno stronzo.

●Granny Viney: You're our favourite nanny; kids of crow's nest.

●IC Water Polo Club last betting: Crowder 15-1, Chorlton 3-1, Edwards evens favourite, 7-1 bar.

●Malcolm eats bog roll. OK yah!

●Malcolm you owe me £1 signed—the gas meter!

●I've killed the dragon and rescued Princess Daphne—Chris (Dirk!)

●What did you do with Daphne afterwards then Chris?

●Paul—What's LFRFLFSRF??

●Robin, you owe me several

pints—Chris.

●Big: why do they call you 'big'?

●Tree-pee: Are you saving it for April showers?

●Malcolm: Did you know that you talk in your sleep? Nudge, nudge, wink, wink, Izzy, Izzy.

●Bass of BSH wears 3 no 4 types of aftershave.

●Handy Hints for Pervert Spotters No 1 Perverts put red sauce on pizzas.

●Handy Hints for Pervert Spotters No 2 Perverts wear a cap and a scarf.

●Richard (Toy Train) Elwen puts red sauce on pizzas.

●The Lemming wears a cap and a scarf.

●Is Nick the Warden Unilevers number Six? Will he be sent to the village? Is he really a chocky cake molester?

●Ford Fiesta to be won in Bass' Big Blue Box Bingo only in Hedgehog News. Get it now.

●ICWPC thank our four loyal

●Southwell challenge Evelyn Gardens to wine draughts—answer of you dare!

●Simon isn't getting enough and would be grateful for any offers of help

●RAT—when are we going to commit 8 murders?

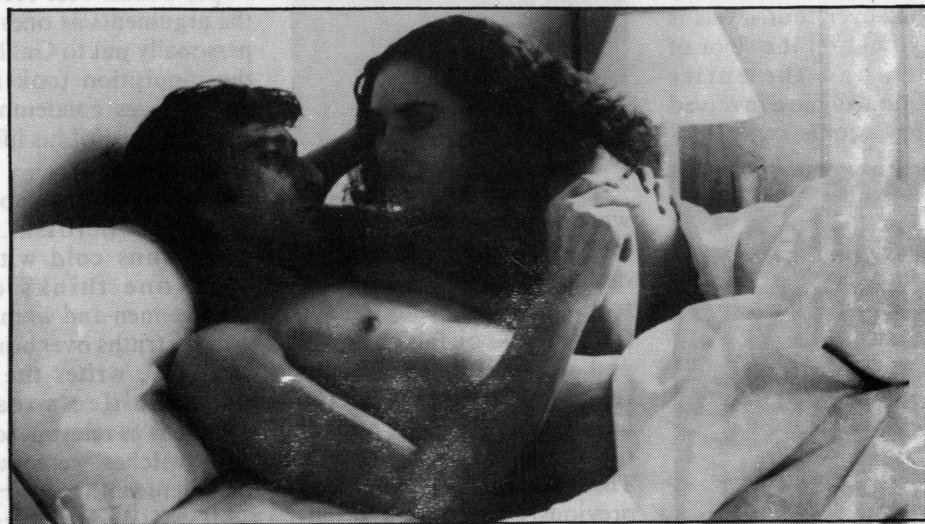
### IC Union Transport

There will be an ICU Transport Meeting on Wednesday 14 March in the Union Upper Lounge at 5:30pm. All those interested in seeing changes in the system are invited to come.



# FILMS FOR EASTER

The Curzon Street Cinema puts on high-quality art films—*Heat and Dust* and *Betrayal* are typical of this. *Carmen* is the latest offering, but it's not in the same class as the earlier two films. Carlos Saura, the Spanish director, is fascinated by the interchangeability of art and life. *Carmen* is a behind-the-scenes look at the rehearsals of Bizet's opera. The lives of the dancers begin to follow the same story as that of the opera, until you cannot tell which is real life and which is make-believe. This central idea is



**Risky Business** (Warner West End) is a superior remake of Dustin Hoffman's *The Graduate*. Joel (Tom Currie) is 18, and the American version of the 'average' middle-class A Level pupil in Britain. As we aimed for Imperial or Cambridge, so Joel is aiming for a Top Class (Ivy League) university. But unlike *The Graduate*, when everyone laughed at the man who said 'plastics', Joel's future is uncertain—the pressures of academic life and of becoming successful are far greater, until they totally dominate Joel's life. The anxieties of College work are preventing him from any rational contemplation about the direction he is taking in his life. Events and exams swamp him. Until his parents go away and leave him alone for a week, and he decides to get some 'experience'.

*Risky Business* is funnier than *Trading Places*. The auditorium regularly rocked with laughter, because Tom Cruise puts in a great performance as the gauche student who gets to learn about wine, women and fast cars. He ends up organising a brothel for all his friends



Sexy Lana Scharf prepares to further Joel's education in 'Risky Business'

well put over, but the characters of those involved are insufficiently developed—they are paste-board figures who Saura slots into his theme, mere marionettes who dance in subservience to the director's ego.

Having said that, the film is a visual treat. The flamenco dancing has a rhythmic intensity and vitality that assaults the senses, until you become full of the thud of feet and the clacking of castanets. Even though the plot is thin and laboured, *Carmen* is a lesson in just how effective a medium film can be.

in his own suburban home, into which walks the Princeton man who wants to give Joel his version of an UCCA interview. As a film that is both funny and relevant to students, *Risky Business* will make an excellent night out.

**Vertigo** (Plaza 2) is the second in the series of vintage Hitchcock releases begun by 'Rear Window'.

The story is about a detective (James Stewart) who becomes an innocent accomplice in a complicated murder plot, due to his fear of heights. Madeline Elster (Kim Novak) appears to be possessed by the spirit of her great-grandmother, Carlotta Valdes, who committed suicide exactly one hundred years previously in 1857. The detective is asked to tail her and look after her. But he also falls in love with her and is consumed with guilt when she finally manages (apparently) to kill herself. He suffers a nervous breakdown, and, possessed himself now, starts to see the face of Madeline in every woman he meets. Then one day he meets her living image in the street, and the whole story starts to unravel...

Hitchcock's skill lay in his ability to fit complex psychological themes into superficially simple situations. 'Vertigo' is no exception. The scenes where Madeline takes on the character of Carlotta are genuinely creepy: one scene in a graveyard has a dreamlike atmosphere; everything is etched and motionless, with a ghostly figure standing arrested by a gravestone. The nature of identity is the most important theme. Is the woman Stewart follows really Madeline?

Some people will dislike this film because on the surface it appears dated and naive compared to glossy modern films. But if you study the undercurrents and concentrate on the 'big' scenes, 'Vertigo' is both disturbing and rewarding.



He had  
the stuff  
heroes were  
made of

## THE RIGHT STUFF

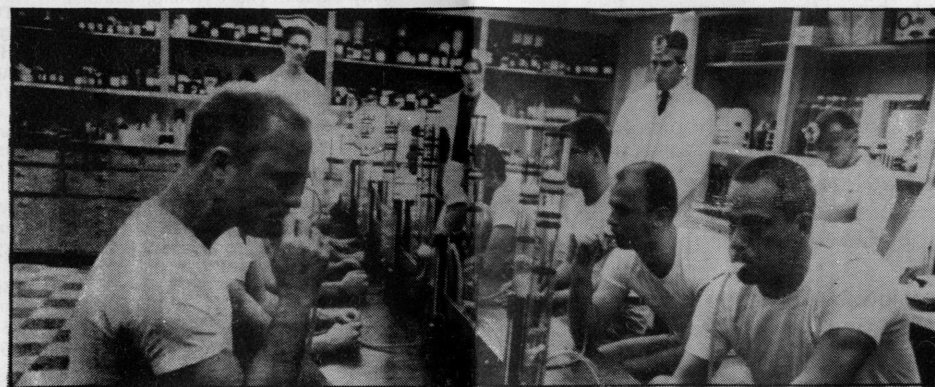
**The Right Stuff** (Warner West End) was launched perfectly on time for Senator John Glenn's first test-flight for the Democratic Presidential Nomination at the Iowa caucuses. Glenn got a meagre 3.5% of the vote and the thumbs down, but for me the film is a success.

The story is about the Mercury space programme, the first astronauts and the test-pilots who preceeded them. You might think that this is a mere nostalgic documentary. What in fact emerges is a marvellous picture of the sharp end of 'technological America'. This film is highly relevant to Imperial students, with historical interest and a study of what it is in technology and its products that fascinates men and motivates our society.

*The Right Society's* canvas is immense, ranging from the breaking of the sound barrier in 1947 to the last solo US spaceflight in 1963, from the bleak and self-centred test-pilots boozier in the Californian desert to the razzamatazz of ticker-tape parades in New York. The progress of the early space age is followed meticulously—the fast jets, Sputnik, Gagarin. We see behind the scenes at the White House, the programme of (often very funny) rigorous tests to choose the seven

Mercury astronauts and the immense publicity that surrounded them. And throughout it all there is the space hardware itself. The photography of the jets and their awesome power is truly stunning—your ears start to ring with the roar of after-burners and the thud of the sonic boom.

The most interesting character is Yaeger, played by Sam Shepard. Yaeger was the first man to break the sound barrier and is at the top of the test-pilot's 'pyramid' of success. He epitomises 'the right stuff', the inner-directed drive to break barriers, the drive of the climber who assaults a mountain 'because it's there'. Yet he is also a loner, and unsuitable for the media figures required by NASA to help fund the Mercury programme. He opts out of becoming an astronaut, only to find that test-pilots lose the glamour and the funding to the space race. He retains his integrity but loses the esteem of others. His dilemma is made more poignant by his character, which so rarely expresses emotion. His only reply is to try and break one last record and fly up, up in a wonderful new plane, higher than anyone else, to the edge of space where he can see the stars, the realm of his rivals the astronauts. Only a plane cannot fly in space....Shades of Icarus.



The future Mercury astronauts going through intensive physical tests before being chosen for the American Space Program

Mel Brooks has shown an unhealthy fascination with Nazism in several of his films, so it's no surprise that the subject features prominently in his latest *To Be Or Not To Be* (on just about everywhere). This is a remake of a 1942 classic comedy, but this version is no classic.

The first half isn't all that funny, with most of the jokes either being telegraphed or old-hat; Brooks seems to believe his own publicity and thinks that he only has to start talking in his throaty Brooklyn whisper to have the audience rolling in the aisles.

The plot revolves around a Polish couple Frederick and Anna Bronski (played by Brooks and his wife Anne Bancroft) who run a theatre in Warsaw just before Hitler invades Poland. Bronski is an actor of limited talent. During his regular *To Be or Not To Be* soliloquies from Hamlet his wife is visited backstage by her young lover. Hitler's invasion ends all this and the humour takes off when Bronski tries to keep his theatre running during various twists and turns of the plot.

The second half is much better by virtue of tougher direction, the inclusion of scenes outside the theatre and some excellent performances by supporting actors to complement the cherubic Brooks and his often very funny impersonations.

The degree to which you find this film funny will depend on whether you consider Nazism, religious persecution and mass murder fit subjects to be used as a source of comedy. Although the humour is always at the expense of Nazis, neither the direction or the acting gave any impression that what the film dealt with was actually once very dangerous.

Compared to other recent comedies *To Be Or Not To Be* is as funny as *The Meaning of Life* but it pales in comparison with Eddie Murphy in *Trading Places* or *48Hrs*.

Peter Rodgers

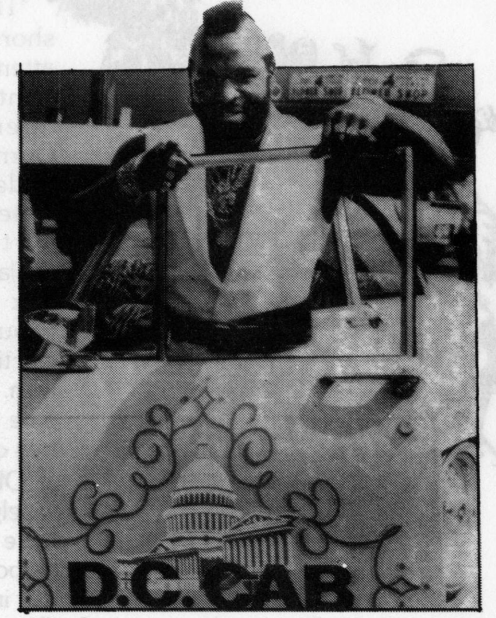
It is sixteen years since 1968 and Lawrence Kasdan (director of 'Body-heat') has decided to try and analyse the Sixties' generation, who are now in their mid-thirties and feeling *The Big Chill* (Classic Oxford Street et al). Seven people who were friends at university meet again for the funeral of the eighth member of their group. He was their old leader, a brilliant physicist who became a drop-out and ended up slashing his wrists. The seven friends spend a weekend together, trying to reconstruct something of the old life and asking 'What went wrong?'

Every generation comes to ask this question, but for the students of the late Sixties it is all the more poignant considering how great their hopes were, and how great their naivety.

Their problems largely consist of a certain emotional sterility. Each member of the group has become wrapped up in their own day-to-day life. Their reunion provides an opportunity for each of them to reassess their character and direction. Some change, some remain the same, but the overall atmosphere is a study in the renewal of friendships and of self-awareness.

This all sounds really corny, but in fact *The*

*Big Chill* is great fun. The cast includes some of the best young American actors around at the moment (William Hurt, and Kevin Kline of *Sophie's Choice*, for example). The dialogue is witty and entertaining, in a style reminiscent of *MASH*. *The Big Chill* is no devastating exposé of our times, thank goodness. It is an entertaining, evocative and occasionally sad country-house movie.



Mr Samson, a tough Cabbie with a heart of gold.

**Street Fleet** (Plaza, Piccadilly Circus) is essentially a screen version of the TV series *Taxi*. The 'plot' concerns a crummy taxi firm with a collection of lunatic drivers. By a series of improbable incidents the young hero, fresh to Washington D C from the Deep South, saves the lunatics from themselves, saves the firm from collapse and provides an inspiration to us all. The soap froths and bubbles violently at times, but what saves *Street Fleet* from total condemnation is the sheer exuberance of the characters and the sometimes very funny situations they get into. The taxis make the average student car look like a Rolls-Royce in comparison. If you can stand soap opera on the big screen and like lunatic car chases, this film is just about worth spending your money on.

**Almonds and Raisins** (Phoenix, East Finchley) is an affectionate and humorous documentary about the Yiddish-speaking movie industry that enjoyed a brief flowering in America during the Thirties. Many of the first generation Jews who emigrated from Europe could not speak English. The films that catered for their needs invariably reflected the Jewish dilemma, indeed, the dilemma of all immigrants—whether to cling to the old traditions and values of *das Heim*, the shtetl, or to become fully integrated with the local community. The film includes some extremely rare footage, with Orson Welles narrating and interviews with old-timers who played in these Yiddish films. I found it all fascinating—as social history and as an opportunity to learn more about the motivations and emotional characteristics of the Jews, the most put-upon people in history.

Tony Atkins



# THE BARON OF CHEAPSKATE



By  
Juvenal

'The problem is that a year is such short time,' he moaned to the ever attentive Gormless. 'What is needed is continuity—years, decades of uninterrupted rule.' Turning to face Gormless, Balls prepared to reveal his wildest dreams. Mustering the most statesman-like voice that his grating northern tones could muster, he declared 'You and I Gormless—together we can form a dynasty to last a thousand years. No more sordid elections, no evil FALIX Editors to cope with. A life of perpetual luxury—sherry, pate and unfettered power. For just the two of us, Gormless.'

'Oh, and Pristine,' replied Gormless, wisely realising that someone would have to do the work. But Gormless' response fell on deaf ears for Balls was lost in a flight of fantasy, his imagination already had him, wreathed in laurels sitting majestically in front of chanting citizens.

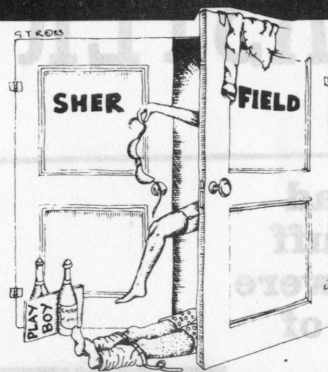
However, Balls flight of fantasy came to a sudden end. For a tall shadow fell upon both Balls and Gormless. Their hearts filled with fear and trepidation as a tall man, donned in a long black coat and carrying an old canvas bag at his side, approached. And their worst fears were realised—'Ere, will you sign this petition I've got Gormless?'

Yes, it was Peter Burp the citizen's representative whose job it was to plead with the Baron's seniors for a few more groats. No one was safe from the clipboard and pen. As Balls turned away Gormless resisted the easy way out 'Oh can't I sign it later Peter? I was having a break from my affairs of state.'

The astute Peter Burp noted the grandeur of Gormless' reply and guessed that Balls' influence had begun to show. Shrewd as ever, Burp pressed home his request in a way sure to get results.

'Oh, please sign now Gormless—Pristine has!' Gormless hurriedly placed an 'X' at the bottom of the page and a now smiling Burp shuffled off on his way. Gormless and Balls were left in their romantic solitude.

*What do Gormless and Ian get up to in their romantic solitude? Find out in the next exciting instalment of The Baron of Cheapskate.*



## BEHIND CLOSED DOORS

Mr J F D Lauwerys, Senior Assistant Secretary

Some people who are featured in this column are relatively unknown to the vast majority of students at Imperial College yet are important within the College. However, John Lauwerys has been in the public eye for some time yet is a minor cog (infact rather a rusty cog) in the IC machine. He has a profile without substance as the report he prepared rather cruelly pointed out. One could almost say that his report was that of an automiton manipulated from elsewhere on level 5. Few people who quote the report have taken the trouble to read it and to discover that it is unimaginative and badly argued. It gains a credibility by quotation that it does not deserve.

It is pertinent to remember that the points at issue now are those devised by John Smith justified by the invocation of report. A report that was poorly prepared and published several months late was less widely discussed than it should have been. It generated an acrimony that has obscured the very real and important problems that face the College.

Since the report John Lauwerys has been attached to the estates section. It is difficult to decide who is being rewarded or punished by such a move. It is difficult not to have some sympathy for the man now that his life is pure tedium interrupted only by anticlimax. It is reminiscent of the life led by the ex-Kings and royal pretenders who clutter up the Sherfield building in some hope of the return to the life of grandeur led by their ancestors yet and of grandeur led by their ancestors yet are desinted to be trumped by filing clerks for the rest of their lives.

In a previous article Don Clark and Hector Cameron-Clark were termed 'Laurel and Hardy'. Perhaps with the addition of John Lauwery we are witnessing the debut of 'the Three Stooges'.

It was shortly after dawn, on a cold, windy morning in Cheapskate. A few citizens were making their dreary, daily trudge up Baronsgate. And as the cleaners cleaned away the tattered posters which were strewn all over the kingdom, John Secretary sat in his office, deep within the bowels of the Surefield building. Upon his desk lay a thick document, bound in leather. It was the latest of his cunning schemes, designed to bring absolute control of the citizens hovels to him alone. 'Within months, the rents will be so high that all the citizens will have left. Then I can fill them with stupid American tourists,' he mused. 'All I need is a weak President.....'

Much later that day, secure in the anonymity of a dark, romantic corner in Southside tavern sat the subject of John Secretary's machinations: Gormless Layon. And at her side, as ever, was 'next year's president' Ian Balls. Gormless gazed longingly into his eyes, pouted her lips and whispered, suggestively, into his ear: 'Ooh, you're so able and experienced, Ian. It's enough to sweep a simple girl like me off her feet.'

Always most amenable to flattery, Balls nodded sagely and took a further sip of his mead. For he had achieved the ultimate confidence trick: he believed his own publicity!

Already his thoughts were moving to more ambitious projects.



## Ex IC Student Jailed for Supporting Peace Group

Haluk Tosun, who was an Elec Eng research student until 1976, has been sentenced to eight years hard labour for belonging to the Turkish Peace Association (TPA). Following the right wing generals coup in 1980 members of the group have been brought before military courts and tried under laws copied from Mussolini's legal code—all this is in a country that belongs to Nato! Hulah and 22 other academics and intellectuals are now in jail and the authorities are blocking all moves for an appeal.

A number of people at IC intend to campaign for Haluk's release, and a group is being formed with the support of the social clubs committee, individual societies including Amnesty, and some College staff. If you can help with petitions and other activities, especially if you knew Haluk, please come to the first organising meeting which will be held on Monday 12 March in the Green Committee Room, IC Union (all welcome), but if you can't make it get in touch through Amnesty Chairman Mick Robinson (Elec Eng 2).

## Afro-Carib

Dear afro-caribbeans and fellow students, despite idel talk and rumours that the 'Afro-Carib' Society has been long dead and buried, the society will be holding its second function of term on Thursday 15 March. This will be a Cheese & Wine followed by a film *Street Fighter* (Charles Bronson). Membership for the year can also be obtained. This event will be followed by what promises to be the disco of the decade. We would like as wide a response as possible. You don't have to be African or Caribbean to join, just interested in our culture.

E L Quartey, F Ajayi, C Mewkitt

## 3W1

As with all clubs, 3W1 will soon be going into temporary hibernation for the exams and summer holidays, with one remaining speaker meeting (see What's On for details).

However, I would like to remind everybody that the National 3W1 conference is taking place over the Easter vacations. The theme is 'Common Differences—Women and Development', and is to be held at Leeds University, 6-8 April. Anybody else wishing to go should contact me soon (before 12 March if possible).

Finally, it was suggested that the remainder of the 3W1 (not much!) could be used to produce a 3W1 magazine for distribution around College next term. If you would like to produce the magazine, or write an article on any relevant topic, please contact me, or send the articles to me: John Sattaur, Physics 3, before the end of term.

## Dramsoc

Dramsoc's major production of this term is Brecht's 'Galileo', with the excellent translation by Howard Brenton who came to fame with 'Romans In Britain'. The play remains as relevant as ever, with the political pressures which were brought to bear on Galileo and his reaction to them, being fully illustrated by the excellent script. The interference of politicians and the military in science. Its haphazard funding are modern day problems which have their roots in history and it is the analogy with the present which provides both amusement and concern.

The concert hall has been transformed into a purpose-built theatre for this show. Tickets are available, £1.50, from ICDS members or on the door. The play runs from Wednesday 14 March to Saturday 17 commencing at 7:00pm.



Tomorrow morning is the great 'Leap Frog Stunt' down Ken High St.

Meet at RCSU Office at 10:00am for cans and licences and the prizes available: a crate of beer; a large cuddly toy; and, a mystery gift from IC Radio.

So, find some friends and come along—breakfast is also provided!

On Monday (12) we have a meeting of General Committee, all reps must attend.

That's all folks, except congrats to all those elected to RCSU Exec next year, commiserations to those who lost and (hopefully) thanks to all those people who ratified me as DP-elect (since this was written last Monday).

DP the VP  
or DP the DP?

## Astrosoc

Some stars end their lives with an enormous explosion—a supernova. However, no-one has ever positively identified a star *before* it exploded, and so the type of star which becomes supernova is uncertain. Research in the IC Astronomy Group involving infra-red observations with the Anglo-Australian Telescope (AAT) and the United Kingdom infra-red telescope (UKIRT, in Hawaii, the largest of its type in the world) suggests that some pre-supernovae may actually be invisible!

To find out more about infra red echoes etc come to 'Supernovae and Infra-Red Echoes' by Dr Meikle at 1:00pm on Tuesday 13 March in Physics LT2.

## SCC

On Monday, the SCC will be aiming to break the record on meeting length—I am sure we will finish within two hours, including an exec meeting to deal with finance. As this is the last meeting before SCC elections, all SCC club senior student representatives should turn up, with their up-to-date account books, and nominations for social colours. Of course, there will be refreshments, but you'll have to wait until the meeting to see what they are. So don't forget: Monday, Union SCR, 6:00pm exec, 6:30pm full. Be prompt.

RCS ENTS PRESENTS

## AMSTERDAM '84

DONT MISS YOUR CHANCE TO VISIT THIS BEAUTIFUL CITY OF CANALS, DIAMONDS AND NOOKIE AT TULIP TIME.

BOOK YOUR PLACE NOW

WITH A £10.00 DEPOSIT TO THE RCS OFFICE

LEAVING-6.30 BEIT ARCH, FRIDAY MARCH 23rd

RETURNING-MONDAY MARCH 26th

COST-£30.00(POSTDATED CHEQUES ACCEPTED)

FURTHER DETAILS FROM RCS OFFICE

SERVICING & REPAIRS

AT

**RICKY'S GARAGE**

(PERSONAL SERVICE GUARENTEED)

19 QUEENS GATE MEWS

SOUTH KENSINGTON

LONDON SW7

TEL: 01-581 1589



## IC Water Polo UAU Champions

Few teams can ever have made as spectacular an entry to a competition as IC in the UAU water-polo championships. Having qualified for the five-team final competition as Southern Area representatives, IC achieved the ultimate honour in student water-polo by beating Loughborough 11-10 to clinch the WM Gibbons Cup at the first attempt.

The tournament was organised on a league basis and by the start of their last game the situation facing IC was clear. Victory over Loughborough would win the tournament, a draw would leave the result in doubt until Liverpool played Birmingham and defeat would hand the competition to Birmingham.

In a hard-fought game neither team was ever more than one goal ahead and, inspired by the crowd, Loughborough levelled the scores at 9-9 by the end of the third quarter. Within two minutes of the restart Loughborough scored, to the obvious delight of the crowd. For much of the quarter both defences coped with all attacks. When Eastman, in devastating form during earlier games, fluffed a relatively simple chance and Hurley, equally effective in controlling play, missed a penalty, IC's hopes seemed to have faded.

The score was still 10-9 when the last minute bell rang. A swift counter-attack saw an opposition defender sent out and in the resulting confusion Boucher levelled the scores from close-in.

Loughborough attacked immediately, but with less than 30 seconds remaining, Hurley and Eastman broke away for the former to

score the winning goal. The last few seconds saw IC defending heroically with Burnett making another excellent save. The final whistle could not have come too soon for those watching.

Although unknown in UAU competition, IC had posted a warning to the other teams when drawing 11-11 with the much-fancied Birmingham side in Friday evening's first game. The obvious attractions of the hotel bar were ignored in view of Saturday morning's game against the holders, Liverpool. Showing an improved performance, IC led 6-2 at the end of the second quarter. In the third, IC lost some of their rhythm and Liverpool fought back to trail 7-6. The fourth period saw IC re-assert their authority to finish 12-9 winners.

Sheffield had already established themselves as 'lame ducks' but their weaknesses were only fully exposed by Imperial. IC led 6-

0 after five minutes and, even using frequent substitutions to rest their top players, won comfortably by 17-7.

IC's success is a tribute to Geoff Hurley's coaching and motivating the squad. The Squad's fitness was superior to the other teams and was a major factor considering that some of the games lasted up to an hour. Hurley's ability and control surpassed all other players. Eastman was superb at the 'chief executioner' of moves originated by Hurley while Casini's experience and shooting were invaluable. In goals Burnett produced some miraculous saves when all seemed lost.

	P	W	L	D	Points
Imperial	4	3	0	1	7
Birmingham	4	2	0	2	6
Liverpool	4	2	2	0	4
Loughborough	4	1	2	1	3
Sheffield	4	0	4	0	0



Back row: J Crowder, G Hurley, M Casini, R Eastman, M Peart, S Chorlton.  
Front row: P Edwards, J Boucher, M Burnett (Capt), P Richardson, A Langman, C Barr.

## Sailing

Imperial faced blustery conditions as well as Cambridge and ULII at the Harp on Saturday. However the conditions proved to be more of a problem for Cambridge than Imperial, and in the first race against the visitors Imperial soon had a commanding 1st, 2nd and 3rd. In the second race Bevan decided to full his boat up before the start and 'submarine' around the course—a tactic described in detail in a book to be published later this year. Unfortunately after an excellent start he had to retire with his vessel and crew complaining loudly at his antics. Nevertheless the remainder of the Imperial team sailed home with room to spare and easily took the match.

The more important match of the day was against ULII. Facing a very strong team, Imperial sceptically took to their boats and set off for the start. ULII casually played around the starting area waiting to engage the opposition. The stage was set to find the stuff of which sailors are made.

Imperial's pre-start tactics caught ULII by surprise. By sacrificing their skipper 'Chuck' Jones, they diverted the opposition's attention and slipped through the start line in a

commanding position. Some hard sailing maintained their lead for the rest of the race and Imperial finished with a winning 1, 2, 6 combination.

Unfortunately a discrepancy over the rules forced a resail. Imperial's confidence was growing, however, and they were determined not to let victory slip from their grasp. Jones again sacrificed himself at the start and the other two Imperial boats again made excellent starts. ULII would not accept defeat, however, and fought back resolutely. Imperial finally took command and took the match with a 1, 3, 6 combination at the finish.

Many thanks to ULII for providing some very exciting sailing—and the lunch as well!

Uri Gagarin

## Football

ICIXI 4 KCHIXI 1

A game which IC had to win to remain a premier division side next season, saw the team produce their best performance of the season, due mainly to the influence of Big Jon. In a one-sided first half, IC opened their account with a fine diving header in a Jon Barden-like manner from Paul Bravery after some good work by Dave 'Dribbler' Stephenson. Further inspired by their

mentor John Barden, the team maintained the onslaught on the KCH goal, and Paul 'my hero is Jon Barden' Bravery snatched his second goal, with a sizzling shot. However, whilst Jon Barden was having treatment on the sideline, a rejuvenated KCH hit back with a goal from a corner which Jon would have cut out easily. But with Dutch import Jon Van Der Barden impressive as ever, Neal Vandenbegin hit a scorching volley to make it 3-1 at the interval.

(A)roused by a Joan Hardon(?) half time team talk IC continued to take the game to KCH. With Dave 'I model myself on Jon Barden' Hardy at his best, a fine through ball, found Dave Stephenson in space, after Ton Burden had made a superb dummy run on the adjoining pitch, and Dave produced a polished finish. The remainder of the game consisted of a catalogue of missed chances by the IC attack, most notably Paul 'I beg your (Jon) Pardon' Bravery who fluffed a real sitter.

And then came the hallowed moment, with Heath suffering from PMT (Pre Match Tension) and unable to continue, our irrepresible sub Jon Barden strolled onto the pitch to thunderous applause, for his first team debut. But fate struck a cruel blow to this up-and-coming young defender when the ref blew the whistle immediately!



## Editorial

Last week has been one of the most successful ever for IC sports clubs. As reported in this week's hallowed pages, Water Polo have won the UAU Championships. Hang-Gliding have also won the UAU Championships. There will be a full report next week, but seeing as they've done so well, I'll print the team list, against my moral principle:—

Dave Rusby

Dave Evans

Karl Briers

Mel Barton

Dave Thomas

Pete Edwards

The Volleyball Club have also won their UAU Championship, though I haven't got any details as they couldn't be bothered to submit a report.

Congratulations to all these teams and all the others who will win (or else!) in the next few weeks.

## Judo

Last Sunday, the cream of IC Judo Club went to a grading at the London Judo Society, in Stockwell. In a good display of Judo, everybody won constants and so increased their grades. Sarah Parker and Paul Mellor, at their first grading, did very well, and both got orange belts. Andy Binding and Graham West turned their green belts into blue ones. Ian Nevitt changed his junior blue into a senior blue. Gabby Shields got her brown, and Tim Stockings (nee Binding) got his top brown.

A reminder that today is the inter-colleges competition and we meet at 4:45pm in Beit Quad. Reserves are likely to be needed. If there are any 15 stone plus neolythic men (or women) types wanting instant fame and stardom they should turn up as well.

Finally, congratulations to Mark Smith who got his black belt at the end of February.

## Basketball



Imperial 164 London Hospital 56  
There is a basketball expression, American of course, called going for a Bill. (A Bill being a dollar being 100 cents being equivalent to 100 points—see?) IC went for a Bill. They banked a Bill fifty and got compound interest. LH got the change out of two Bills.

In a close, tense match both teams employed fast break tactics except IC tended to score and LH tended to miss.

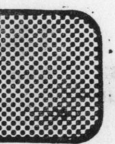
Finito Benito.

Hi scores were Walter 'the Dude' Morgan 46; Alex 'Sugar Hog' Mackenzie 44; 'Sweet' Ken Jarret 25; Homan 'H' Haghighi 24.

Special mention to Captain Tim 'the grin' Vink for excellent defence.

I rest my case old boy!

## Ping Pong



Team 1 continued in the same vein by losing again, but against a good team this week. However they are so confident that they have won tonight's (Monday 5) game 7-2. Conformation of the fact next week.

Team 3, with John playing for the first time for ages, pulled off a classic victory against Gainsford IV. The only problem is that they now face Gainsford III and Etessa II in the next few weeks, who are both in a position to pip us for the Division 4 title—should be fun!

Team 4 pulled off another magnificent feat of improbability by winning again, 6-3 against London Hospital who are well placed in Division 5. Well done lads, especially Kevin McKoen who surpassed all previous performances.

Team 5 in the words of their Captain 'crushed to a 6-3 victory against Trinity House Youth Club'. Congratulations to Shing Hing Man for winning all his after a particularly unlucky run.

## Orienteering



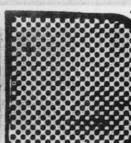
Last Sunday the Orienteering Club travelled to Five-Hundred-Acre Wood in Ashdown Forest, home of Christopher Robin and his friends.

The event was the venue for the delayed London-Cambridge match, in which IC runners helped to reach a close result—we're not sure who won! The contest saw valient performances, as many in the club 'ran up' a class to count in the match. Of particular note was Andy Shoreman who coped well to reach Gold standard; and Les who wins the Eeyore award for being out an awful long time! Captain Coke limped around valiantly on his gammy leg—still beating some of us who winnied around a bit and had a Poohr runs.

On looking back over my (bloodstained!) map it occurs to me that Winnie and his chums must have been tough little critters to romp around in such a rough'n'tough'n' mean'n'green area!

Punchdrunk

## Rifle and Pistol



IC 959 Kings 957 (Away)  
In a nail-biting return match against Kings, IC demonstrated their superior match capability by winning with a two point lead out of a possible 1,000 points. Both team captains showed how easy it is to make complete fools of themselves by failing to break 190 ex 200. Matthew Guille of Kings got the highest score of the day with 199—a rather disappointing score for him (he won a silver medal at the last Commonwealth Games for 3 positional rifle). Gareth Jones and Tom Gigs both shot 195 for IC. One of Tom's cards was possibly the most dubious ton ever shot!

Steve Harrison showed his class in the prone rifle handicap competition by beating Andrew Hamilton, thus taking first place (nett scores were 198 against 197). When Steve gets his new high scoring weapon (an Anschutz Supermatch) he should be unassailable. We look forward to seeing his increased scoring rate which has been flagging recently.

This Sunday we are going down to Bisley for the inter-CCU practice full-bore rifle day, with the actual match in a week's time. If you are unsure of travel arrangements, please come down at lunch time today to check the notices.

Important dates for all ICRPC members: on Wednesday 14 election papers come down, elections barnite starts at 6:30 in Stan's followed by the club dinner at Chompers. The club AGM will be on Thursday 15, so if you have any bright ideas how IC's top sporting club should be run please come along to the range at 1:00pm.

Hotshot

Imperial College Choir

ELGAR

The Dream Of Gerontius

Spm Friday 18th March 1984  
Great Hall Imperial College

Tickets £2 Students £1.50 available from  
Choir members and the Haldane Library.



Imperial College

EIGHTH JUBILEE LECTURE

Thursday 15 March  
1984 at 17.30 hours  
Lecture Theatre 213  
Huxley Building  
Queen's Gate, SW7

In the Chair:  
The Rector

Mr John Egan, B.Sc. ARSM  
Chairman and Chief Executive, Jaguar Cars Ltd

Reindustrialisation in Britain  
—the Jaguar Experience

Admission free without ticket



## friday

**1800h** Aero 254  
Gliding Club AGM.

**1800h** F1800h Music Room  
53 Princes Gate  
London Connection Meet  
Christians from other colleges.

**1830h** Chem Eng Refectory  
Chinese Soc farewell party  
food, prize giving  
performances

**2000h** Great Hall  
IC Choir concert: The Dream  
of Gerontius by Elgar. Tickets  
£2 (Students £1.40)

## saturday

**1000h** Meet Beit Arch  
NUS Grants March. Protect  
your grant!

**1000h** RCSU  
Rag Stunt. Lean-Frog down  
Ken High St. Prizes, breakfast  
provided. LEGAL!

## sunday

**1800h** More Hse  
53 Cromwell Rd  
Catholic Mass followed by bar  
supper and debate 'University  
and College Students are a  
Privileged Class'. Come and  
be entertained—air your point  
of view. Debate starts at  
7:30pm. All welcome.

## monday

**1230h** JCR  
Christian Union bookstall for  
overseas students.



## wednesday

**1245h** Union Upper Lounge  
Anti-Apartheid Speaker  
Meeting with David Haslam  
from End Loans to South  
Africa.

**1900h** Union Concert Hall  
Dramsoc present Galileo by  
Brecht, translated by Howard  
Brenton. £1.50. This is a  
powerful play with many of the  
pressures exerted on Galileo  
being still relevant to science  
today. The excellent script  
provides both amusement and  
concern. This play is not to be  
missed. As last Saturday's  
Guardian said 'Galileo Finally  
Won The Day'.

## thursday

**1300h** Huxley 340  
United Nations Society AGM  
and film. After election of next  
year's committee there will be  
a film, starring Julie Christie  
and Julie Walters, called why.  
Their News is Bad News—a  
film that challenges the myth  
that Britain has a free and  
independent media.

**1830h** Physics Level 8  
Common Room  
Met & Mat Sci Much &  
Merriment. Tickets £2 from  
committee members. Food,  
drinks and entertainment.  
Th1830h  
Mech Eng 220

**1830h**  
Afro-Caribbean Society  
Inaugural Cheese and Wine.  
Film to be announced.

**1245h** Bot/Zoo Common Room  
Yacht Club meeting for those  
going away 17-19. Places  
available.

**1245h** Elec Eng 508  
First AGM of IC Parachuting &  
Parscending Club. Anyone  
interested in either sport will  
be very welcome to attend.  
Major item on agenda is  
election of a committee.

**1900h** ME 220  
Hypnosis lecture by Martin S  
Taylor. £1.50.

## tuesday

**1245h** Mech Eng 342  
Film: The Year of The  
Torturer. Part of a survey by  
Granada TV looking at torture  
of the mind, and some of the  
after-effects of torture.  
Organised by Amnesty  
International.

**1245h** Civ Eng 208  
3W1 speaker meeting 'Iran—a  
revolution betrayed?' with a  
speaker from Campaign for  
the Defence of the Iranian  
Revolution (CoDIR). CoDIR's  
position is one which sees the  
original aims of the Iranian  
Revolution as being betrayed.

**1300h** Physics LT2  
Astrosoc 'Supernovae and  
Infra-Red Echoes'. All

**1300h** Union Dining Hall  
Labour Club speaker meeting  
'The Need to Save GLC' with  
Barrie Stead, Chair, ILEA Sub-  
committee on schools.

**1815h** Mines LT303  
Staff/Student photographic  
competition. Organised by  
Photosoc. Bring as many  
pickies as possible. Min sizes:  
B&W prints 6½" x 8½", colour  
prints 5" x 7". Also open for  
slides.



**Fridays 2000h** Pete Coleman  
presents an in-depth look at  
what's on around College and  
South Ken in 'Viewpoint'.  
**Sundays 0800-1200(noon)**  
Wake up to the 'Voice of  
Blackburn' himself, Andy  
Cave.  
**Sundays 2100-2300h** Russell  
Hickman 'A unique blend of  
noise'.  
**Mondays 2000-2100h** Beatles  
Hour with Pete Coleman.  
**Tues 1800-2000h** Chris Storch  
with Live From Six on 301m,  
999kHz, featuring Pink Floyd  
and 10,000 Maniacs.

**'Aids Show'** with Aidan Dye,  
including new Top 40 at  
2130h.  
**Wednesdays 2300-0100h** One  
Man Bay of Pigs with Martin  
Smith.  
**Thursdays 2000-2100h** Aidan  
Kirkpatrick's Old Record  
Club.  
**Thurs 2100-2300h** Bar  
Programme, in conjunction  
with Wellsoc as part of their  
20th birthday celebrations.  
**Thurs 2300-0100h** Alphabet  
Soup with Ajay. Groups and  
tracks beginning with the  
letter 'S'.



STOIC broadcast Tuesdays and  
Thursdays 1300h on Hall and  
JCR TV sets, with repeat broad-  
casts on both days at 1800h on  
Hall TV sets. News-Break is  
shown on Thursdays.  
**Tuesday 1300h** (repeated at  
1800h), JCR and Hall TV sets.  
**Video Review 83** Clare  
Branton looks back at some of  
the pop videos of 1983,  
including Madness, Tracy  
Ullman and Genesis. (1800h  
broadcast Halls only.)

**Thursday 1300** (and 1800h)  
JCR and Hall TV Sets  
Newsbreak with news and  
events around College and  
London including a look at the  
latest films with clips in 'Film  
Review'. (1800h broadcast in  
Halls only.)

## Lounge Lizards Nightclub

**Saturdays 2000h** Lower Refec  
IC Ents Lounge Lizards Night  
Club with cocktails, bar and  
disco. 50p members, £1  
guests.



# Clubs

(Regular Meetings)

**Amnesty International meeting**  
Tuesdays 1730h Brown Committee Room (top floor Union Building).

**Audio Soc record club**  
Tuesdays and Thursdays 1230h Union Upper Lounge.

**Balloon Club meeting**  
Thursdays 1300h Southside Upper Lounge.

**Boardsailing Club meeting**  
Tuesdays 1300h Southside Upper Lounge.

**BUNAC** Fridays 1230h JCR. Info on summer working vacations in the USA—air fares paid, and it looks good on your CV!

**Catholic mass and lunch.**  
Tuesdays 1230h Room 231 Chemistry. All welcome.

**Cycling Club.** Sundays 1000h meet Beit Arch for 40 mile ride out of London—bring lunch money. Tuesdays 1400h meet Beit Arch for serious training ride of approx 40 miles.

Wednesdays 1330h meet Beit Arch for 40 mile training ride.

**Dance Club:** Intermediate classes Mondays 1930h JCR, and Beginners classes Tuesdays and Wednesdays 1930h JCR.

# coming soon

**Fri 16 March 1400h** House of Common Visit by the Conservative Society. Free! Contact J Gerson, DoC 2, for details. The visit includes some time listening to debate from public gallery and full guided tour.  
**Mon 19 March 12:45h** Bot Zoo Common Room **Yacht Club AGM** to elect next year's committee.

**Dramsoc Workshop**  
Wednesdays 1430h Dramsoc Storeroom.

**Gliding Club meeting**  
Thursdays 1730h Aero 254.

**Hang Gliding Club meeting**  
Mondays 1230h above Southside Bar.

**ICCAg.** Acton Venture Club Saturdays 1230h The Log Cabin (next door to Northfields tube station).

**Jobbersquad** Wednesdays 1235h ICCAG Office (top of Union Building). Talking to and helping geriatric patients at St Pancras Hospital

# WELLSOC

## 20th Anniversary week

**20th Anniversary Celebrations 12-16 March**

**Mon 12 1930h** Elec Eng 408 Dr Helen Wallis speaks on map-making.

**Tues 13 1300** Civ Eng 201 film Dr Sinclair Goodlad.

**Tues 13 1930h** Mech Eng 220. Film **The Island of Dr Moreau** based on a novel by H G Wells.

**Wed 14 1930h** Elec Eng 408 Prof Ian Craft speaks about his success with the test tube triplets.

**Thurs 15 2000h** Southside Bar party! large (homemade) birthday cake for all early comers with music by IC Radio.

**Wed 21** Society Dinner at the tower hotel with guest speaker Dr Sinclair Goodlad (details next week).

Wednesdays 1245h Mech Eng Foyer.

**Islamic Society. Friday prayers** 1255h Union Concert Hall.

**Quranic Circle** Wednesdays 1310h basement 9 Princes Gdns.

**Judo Practice** Tuesdays 1830h Union Gym.

**Microcomputer club** Wednesdays 1400h Rm 401 RSM.

**Pimlico Connection 'Pay As You Eat' lunch** Tuesdays 1230h Rm 606 Elec Eng.

**Real Ale Society meeting** Mondays 1930h Union Crush Bar.

**Riding Club meeting** Tuesdays 1300h Upper Lounge Southside.

**SF Soc library meeting** Thursdays 1300h Green Committee Room.

**Socialist Society bookstall** Fridays 1230h JCR.

**Vegsoc lunch at the RCA** Fridays and Mondays 1245h meet Beit Arch.

**Wargames Club meeting** Sundays and Wednesdays 1300h SCR.

**WLC communion service** Sundays 1000h Consort Gallery, Sheffield. Coffee will be served after the service.

# THE CROMWELLIAN



## COCKTAIL BAR

Mon-Fri 6.00-11.00 Sat 8.00-11.00

**Happy Hour** 6.00-9.00  
**Cocktails £1.50**

**Monday Special**  
**Cocktails £1.50** all night

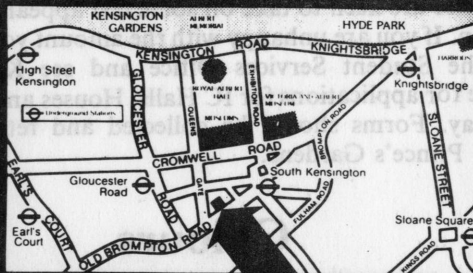
**NIGHTCLUB** Tues-Sat 11.00-3am

Entrance to Night Club half price on presentation of Imperial College cards

Entrance on: 3 Cromwell Road, SW7. Tel: 584 7258

# Student Travel is at

74 Old Brompton Road



## The best range of services under one roof anywhere

- Bargain European Flights
- Transalpine Train Services
- Coaches to Europe
- Crosschannel Hovercrafts
- Britrail Cards
- International Cards
- Travel Insurance
- National Bus Services
- Irish Travelsave Stamps
- Low Cost Flights to:
  - Asia
  - South America
  - Africa
  - The Middle East
  - Australia
  - North America
- Low Cost Accommodation:
  - Europe
  - Asia
  - North America

74 OLD BROMPTON ROAD, SOUTH KENSINGTON S.W.7

Tel. 01-5811022

**STA** Travel





## Education Cuts

The turn out at the open meeting on the College's response to the UGC questions was abysmal. Of the fifty or so people who turned up only about a dozen were students. Imperial College Union has always prided itself on being apolitical. The education cuts, however, are no longer about politics but about survival. They are about the quality of education and the standard of teaching students will receive in the future. Cutbacks in Government funding are going to affect even Imperial. The College is up to its eyes in maintenance and repair bills. The teaching budget is likely to be the first thing to suffer. This will mean a reduction in teaching facilities, fewer lab hours, less work will be assessed, etc, etc etc.

It is a scandal that a student body of 5,000 only a dozen seem to care. The remainder seem only interested in rag stunts, mascotry raids and getting pissed. Is it not time for Imperial students to *grow up* and face the very real responsibility they have to protect the future of Higher Education?

For those of you who do care there will be a grants march tomorrow at 10.00a.m. meet at Beit Arch.

## Rent Rebates

Students living in the borough of Kensington and Chelsea claiming rent and rate rebates may have grounds for appealing against the way in which their benefit has been calculated. The Student Services Office are keen to take on some test appeals to try and rectify the situation. If you are unhappy with the amount you have been given call into the Student Services Office and see Karen Stott. The closing date for applications for IC Halls, Houses and Head Tenancies is 5.30 **today**. Forms should be collected and returned to Student Services, 15 Prince's Gardens.

## Colours

If you feel that anyone in your club or team has been a real superhero this year and contributed to its running above and beyond the call of duty then you should propose him or her for social colours before the end of this term. Nominations, together with 70-words of justification should be sent to Sean Davis (large handwriting and not too many long words please so Sean can read it).

## FELIX

There will not be an issue of FELIX next Friday, the last FELIX of term will come out on the following Wednesday. The copy deadline for Clubs, Sports, Whats On and Letters is Monday 12th 1.00pm.

**Pallab Ghosh**



## Election Time at Primelia College

I was down at Primelia College earlier this week, and I met my friends Alan, Barry, Chris, Diana and Elaine arguing among themselves. It transpired that they were trying to decide on next year's editor of the weekly newspaper FEELSICK. The present editor, Pallab Whow, was coming to the end of his year in charge and his successor was one of three people presently working on FEELSICK. Timbo Tie, Rockin' Rodgers and Dave Rave. The five decided that they would not all vote for the same person, and finally decided on this arrangement.

Elaine decided to vote for either Tie or Rave. Alan, Barry and Elaine agreed that they would all vote for a different person.

If Chris and Elaine voted for the same person, Alan and Diana would vote for the same person.

If Diana and Elaine voted for the same person, Alan and Chris would vote for the same person.

If Barry did not vote for Rave, either Alan or Chris (or both) would.

If Diana did not vote for Tie, then Alan or Chris would.

I found out later that exactly two of them voted for Rodgers.

Who voted for whom?

Good luck everyone.

NB In Primelia College elections, you only vote for one candidate.

*Solutions, comments, criticisms to me at the FELIX Office by 1:00pm on Wednesday, please. £5 from Mend-a-Bike for the randomly selected winner.*

## Omar's Puzzle

I hope this wasn't too hard for non-bridge players. I shouldn't think it was. One way to do it, and I think it's the only way, is to win the first trick in South's hand with the Ace of Clubs (AC). Lead a spade other than the Ace and trump in North's hand. Lead a trump from North and beat it in South's hand. Lead the other spade other than the Ace and again trump in North's hand. Lead a trump again from North and beat it in South's hand again. Lead off the rest of the trumps, discarding the Ace of Diamonds from North's hand. Lead the Ace of Spades, which now cannot be trumped, and discard the King of Diamonds. Then play out all the diamonds. The main catch was that you would not usually think of discarding Ace and King of a suit, but in this case it is essential.

Of 24 correct solutions, Chris Dunn of Maths 1 was the randomly selected winner, and can collect the £5 cheque, courtesy of Mend-a-Bike, and a pack of cards, courtesy of Omar, from the FELIX Office after 1:30 pm on Monday.

NP The puzzle was not too hard, partly to see how many people were interested. Since a lot of interest was shown, I'll put in a harder one in the next FELIX which will be the last issue of term. If anyone has any puzzles which they would like me to use for that, since I'll have a double page, would they please drop them in my box in the FELIX Office in the next week.

Thanks, Omar.