



## Students protest at platform for South African

About forty students staged a vociferous protest when Mr. Peter Goosen, Third Secretary at the South African Embassy, addressed a meeting organised by the IC Conservative Society on Tuesday. All those students who entered Mech Eng lecture theatre 220 had their bags checked by College Security chief Geoffrey Reeves. The protest was entirely peaceful, but the students created enough noise to cause some disruption. Those involved shouted "Free Mandela, and set South Africa free!" and called upon Mr. Goosen to tell those inside the lecture theatre about Soweto and censorship of the press in South Africa.

Mr. Reeves told FELIX that, though the protestors were quite noisy, they made no attempt to enter the lecture theatre, and said that he was "quite impressed with the way they carried out their demonstration." Two policemen were present to ensure that there was no breach of the Public Order Bill, and Mr. Reeves told us that it is normal policy to liaise with the police if there is a chance that an "anti situation" may develop.

Chas Jackson, chair of IC Anti-Apartheid, said that in his view, a responsible society would not invite such a person to speak at College, and told FELIX "It was the most spirited demo since the last Hon Poms night was called off." It was, he said, both tasteless and offensive to have invited a representative of a government that is actively suppressing free speech to talk at Imperial College. He asserted that protestors had refused to enter the lecture theatre because they felt that their presence would dignify Mr. Goosen's talk.

Sunny Bains, one of the protestors, said that they felt that they were the only mouthpiece of the oppressed in South Africa and told FELIX "Freedom is not his to give. Freedom is not a gift-it's a right."

Dave Burbage, President of IC Conservative Society, said that ConSoc had not intended to cause any trouble, and while he had expected there to be some form of protest, he told FELIX that he expected it to be rather more constructive. "The people outside the room would I think prefer civil war and revolution and ultimately a tyranny of hatred within South Africa, rather than the reforms being proposed," he said.

Questioned about the wisdom of inviting such a controversial person to College, Mr. Burbage said that Mr. Goosen had been invited because it was felt that he would give an interesting and informative talk, and the meeting had not been held in

Goosen reported in FELIX 760, with the speaker stressing that South Africa faces "A choice between reform and revolution, between a free democratic society and totalitarianism."

Questioned from the floor about how many of the black people in South Africa have citizenship, he said that following a review of regulations introduced earlier, all are now citizens of South Africa, and negotiations are now taking place to extend citizenship to the citizens of the independent states.

When asked about the violence perpetrated by the security forces against the African National Congress, Mr. Goosen said that he did not deny that the ANC had originally been a peaceful

It was right, he felt, that the South African security services should be criticised for such mistakes.

Continuing on the subject of the ANC and violence, Mr. Goosen said that he felt that it was time for negotiations about the mechanics of the "New South Africa" to begin, and called on the ANC to stop their violence; "We have to leave the past behind. We have to accept the injustices of the past."

The European view of South African blacks was, Mr. Goosen asserted, a racist one. It was not right to consider the black majority in South Africa as a unified mass, and he said of those who held this view "You're all white. Why have you fought two world wars?" Seventy-



Union rooms simply because there were none suitable. He stressed to FELIX the IC ConSoc does not necessarily agree with the views put forward by Mr. Goosen.

The content of the talk was broadly similar to the interview with Mr.

organisation, and gave 1961 as the turning point in the tactics of the group. He also expressed the view that the attacks on ANC headquarters in neighbouring states were justified, but regretted that some innocent people had been killed in these raids.

five per cent of white South Africans were, claimed Mr. Goosen, in favour of fundamental reform, and he said that he would be "shocked" if one of the other, less progressive parties, won the general election.



## Oppressed Minority

Dear Dave,

I must say that I was rather saddened to read the letter in last week's FELIX written by Messrs Reese, Farhead, Rowe and Kennedy on the appointment of a Lesbian and Gay Welfare Officer. I feel that the following points need a specific reply.

Firstly, the writers mention 'the excellent service provided by ULU.' I assume from the tone of their comments that they are not gay. This suggests that they have never visited the ULU Gay and Lesbian Group; how can they know if it is excellent?

In any case, no matter how good it may be, it only meets once a week, and the number of students attending from IC is probably low. An IC student attending such a group for perhaps the first time in his/her life, would surely find it a daunting experience.

Secondly, the writers raise the point of minority representation. Leaving Council out of things for the moment, do they object to the idea of a Gay Society? If so, then they should remember that it only takes one person armed with 20 signatures to set up such societies as Sri Lankan Soc or HamSoc. Statistically it is likely that there are more than 500 gay undergraduates at IC: Are there that many Sri Lankans or radio hams? I very much doubt it.

Returning to Council, what right have we to deny gay representation, at a time when at least 10% of students of IC may be living in fear of discovery by a homophobic 'moral majority'?

Surely such an oppressed group needs a Welfare Officer?

Yours sincerely

Andrew Bannister, Geology 1

## ...but not different

Dear Dave,

Lesbians and gays are not different. Yet anyone who admits to being gay at Imperial College is subjected to abuse and ridicule. Statistics suggest that 10% of IC students should be gay. How many gay and lesbian students do you know? IC has a homophobic atmosphere that either forces people to hide their sexuality or discourages gays and lesbians from applying to IC.

Any group that is subject to the sort

of discrimination that IC's gay and lesbian students receive should expect IC Union's support. In this case the Union has decided that the best way of supporting gays and lesbians is to appoint an Officer to represent them and organise a GaySoc. This is a wise decision. Individuals who feel threatened can reduce that threat by organising.

It is stupid to argue that minorities should not be represented on Council. Overseas students, women, chemical engineers and sports players (I believe these are minorities at IC) have representatives on Council.

If people really object to a Lesbian and Gay Welfare Officer they shouldn't be so homophobic, then there wouldn't be a need for such a person.

Yours

Hugh Southey, Chem Eng 4

## Impure Eysenck

Dear Dave,

I noted with some concern in last week's FELIX that WellSoc is to invite Hans Eysenck to speak on the 9th of February; the so-called "world authority on intelligence and IQ tests."

Although indeed an influential psychologist, Eysenck has spent much of his time since the early 1970's, and the publication of his book "Race, Intelligence and Education," promoting not only the idea that intelligence is almost wholly genetically determined but, also that black people do not, on average, possess the same intellectual capacities as whites.

Eysenck, not surprisingly, has found little favour within the scientific community; not only have most other notable psychologists poured scorn on his theories, but opposition has also come from eminent geneticists and biologists too, including Nobel Laureate Sir Peter Medawar, who have stressed that environmental factors play a major part in human intelligence, and that intelligence itself is much too complicated to be expressed by a single IQ score.

However, Eysenck has found considerable support within the ultra-right, who found that the 'race-science' propagated in 1930's Germany had found a new ally; indeed Eysenck's book was soon on the recommended booklist of the National Front. (An alleged interview with Eysenck also appeared in an edition of the fascist magazine "Beacon" in Feb '77, published by a splinter group from the Front).

Eysenck has also been associated with the openly racist journal "The Mankind Quarterly" (as a member of the Honorary Advisory Board), which has included many articles in support of apartheid in South Africa and

Rhodesia, and which has included many references to the work of Hans Günther, the leading pre-war German 'race-scientist', whose theories outlined the "worth of Nordic racial purity" and "the perils of Jewish contamination."

I can only hope that WellSoc realises the mistake that it has made in inviting Eysenck to College; I hardly think that this kind of racial nonsense is what its members want to listen to.

S Dunlop, Physics 3

## Sad PATA

Dear Dave,

I am writing in reference to the Oliva Gans lecture against abortion on Jan 26th which I was unable to attend. First of all, I found the publicity quite distressing. I had an abortion about six or seven months ago which I am trying hard to forget. The posters proclaiming me a 'victim of abortion' did nothing to help the healing process. When I chose abortion, I chose life for me. Had I a baby at 18 as I was then, I would never have been able to put the child up for adoption (nor, I believe would my boyfriend). I would have ended up married with a baby, no degree, and not much of a life ahead of me. As Chas Jackson pointed out, PATA is supposed to show positive alternatives to abortion. For me there was no positive alternative. For most women who don't want to throw themselves away on a child they didn't want, a husband they mightn't stick with and all career prospects destroyed, there are no positive alternatives.

It should be the woman's right to choose.

Name withheld by request

## The Other Side

Dear Dave

In answer to Chas Jackson's letter (FELIX No 760), I would like to point out that a large amount of PATA's activities have, in fact, emphasized the positive alternatives to abortion.

Indeed, not only is much of our literature devoted to the subject but many of our guests have spoken on it as well. Planned for this term is a debate relating to positive alternatives to abortion, which will go ahead if we are able to find someone from the pro-abortion lobby who is willing to speak.

As an example of our activities, I

would like to recall a talk given by Angela Gracey, of LIFE, at the very beginning of last term. It was called "The Positive Alternatives to Abortion." In her talk Angela Gracey illustrated how voluntary organisations, such as LIFE, provide support to pregnant women who are under pressure to have an abortion. This support, she said, includes accommodation, health care, material help and financial advice (all before and after birth) and not least, advice given on adoption of supposedly "unwanted" children. Thus, she spelt out how a woman who chooses not to abort is given help both to choose and to bring about a future for her child; adoption, special medical care or caring for it herself being a few of the positive alternatives to killing it.

Yours,

M Soane (PATA Treasurer)

## Mouthpiece

Dear FELIX

FELIX is, I presume, the 'official' mouthpiece of ICU. The Union however claims to be 'non-political' and uses this as part of its justification for remaining aloof from the NUS.

If this 'non-political' stance is so important to the Union why does it give so much space (½ page in this issue) to the meetings of the Conservative Society?

I want to read, in a student paper, about those issues which are important to me as a student. If I want to read political propaganda I will buy the Express (or one of the other Tory Fleet Street rags).

Nuff said, I think.

Nick Thompson Computing PG

## Light Fingers

Dear Dave,

Thursday evening some twat (or perhaps t\*\*) in College thought it'd be a bit of a laugh to steal the lights from a bike and then return them Friday morning with a note saying 'never leave your cycle lights on the bike.'

As I don't know who it was, could he please contact me through FELIX to pay me £1.80 for bus fares, buy my next week's shopping at Sainsbury's and get a good kick in the groin.

Yours sincerely,

Irate Biker.



## Grants up by 3.75%

The Government has announced an increase of 3.75 per cent in student grants for the year 1987-88.

Mr. Kenneth Baker, Secretary of State for Education and Science, announced the increase in reply to a written question in the Commons. The London weighted grant for undergraduate students in lodgings is to increase to £2330 from the present £2246, and the postgraduate grant will increase to £3492. Students living at home will receive £1567 if they are

Mr. Baker also announced that the threshold for parental contributions undergraduates, and £2075 if postgraduates.

will be raised by about 6.75 percent. The minimum parental contribution will be raised from £20 to £40, and the maximum will increase by £300 to £4600.

IC Union President, Christine Taig, said she felt that to increase the grants in line with inflation was at least a step in the right direction, but a substantial increase was necessary, particularly to the London grant, if students were to have enough to live on. Bearing in mind that most students have about £15 a week after paying rent, to brag about an increase in line with inflation was ridiculous, she told FELIX.

## Linstead conman

A Linstead resident was robbed of £500 earlier this term by a conman who told the student he had lost all his money. The student was approached by a man driving a car along Prince Consort Road. The driver, who was French, told the student that he needed the money to get back home, and managed to persuade him to give him £500 in cash. (The student was only carrying such a large amount because he had

recently returned from abroad himself).

The incident occurred on Wednesday 7th January, during the first week of the term. Since then the conman, who is described as being short, stocky and blond has also attempted to rob residents of Beit hall.

Though he has not been seen in the vicinity for over two weeks, all students are advised to be on the look out for this man.

## Iraqi demo

There will be a demonstration outside the Iraqi Embassy in Queensgate at 1pm today, in protest over the treatment of Iraqi students, both in Britain and in Iraq. Students have been forced to join the war with Iran, or, if abroad, have been made to return to Iraq.

ICU President Christine Taig and several Union officers will be taking part in the demonstration, and all IC students have been encouraged to attend to protest against the severe infringement of student rights which Iraq practices.

last Tuesday afternoon. The incident occurred when barman Sean Davis refused to serve one of the students. A security guard was called in to throw the student out. The student broke the glass of one of the doors with his violin case as he was being escorted out of the Bar.

IC Union President, Christine Taig, has sent a letter of protest to the RCM Principal and Union President deploring the fact that some RCM students had taken advantage of IC Unions "all welcome" policy.

## Chemistry extension

Construction work has begun on a new extension to the new Chemistry building. An extension is being made to levels four and five to provide additional offices for Professors Albery and Fersht, on top of an existing extension.

## RCM drunks

Drunken students from the Royal College of Music smashed glass and insulted IC Union Bar staff in the Bar

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The OCs helps you benefit from hard-won experience in so many fields. Experience which would otherwise take years of trial and error to acquire.

Join if you can. Unless, of course, you would rather face the trials and make the errors.



**OCs: A very special link**

Old Students' Association Office, Room 303 Shelfield Building,  
Imperial College. Telephone 589-5111 Ext. 3026



## I beg to differ, Mr Goosen

Dear Dave,

Today I attended the talk given by Mr Goosen from the South African Embassy out of interest in what the 'other side' had to say.

I disagreed with Mr Goosen on many points but the main source of disagreement is South Africa's invasion of neighbouring countries in the name of countering 'ANC terrorism' as he put it. He justified this by saying that the South African Government couldn't call across borders to ask the ANC 'terrorists' to come over. He got applause and laughter for this tasteless joke.

Earlier in Mr Goosen's talk, he compared the 'terrorist wing' of the ANC with the IRA. However, unlike his country's high handed strikes on ANC bases in neighbouring countries, suspected IRA terrorists must be extradited according to the laws of the country in which they are found. He also said that he fully condoned the killing of ANC 'terrorists' as part of the fight against terrorism.

In my opinion this shows a flagrant lack of respect for the independence of the surrounding African states. The South African Government is violating the constitutions of these countries and is not being seen to act within the bounds of international law. This makes nonsense of their claims to want peaceful reform and they are not respecting independent governments run by black people. How then can we believe that they will respect the wishes of South Africa's black majority whom, he claims, the South African Government want to incorporate into the ruling body of the country.

Yours sincerely,  
Kemi Adenubi, Civ Eng II

## Protest imperfect

Dear Sir,

I have just attended Peter Goosen's talk for ConSoc on South Africa, and left disgusted. Not by the opinions expressed by the speaker, but by the way his views were opposed from outside the lecture theatre.

"What about democracy?" they shouted, all but drowning a question from the floor on votes for blacks. "What about censorship?" they yelled, preventing us hearing the reply. "Tell them about Soweto!" we heard them bawl. I would have liked to have heard a reply to that one. Indeed if they'd been inside the lecture theatre, putting the point to the speaker, we all would have heard an answer. But they weren't.

After the talk I asked, for a future debate, the names of the ConSoc organisers. They gave me them. I asked for the names of some of those outside, explaining why. "Put up posters," they said "we'll be there." They wouldn't give their names, nor would they be willing to speak for their cause, debate it, or answer questions on their views. All things Peter Goosen would and did do. I abhor apartheid and mob rule. I admire Peter Goosen for his public stand against both.

Yours,  
Dan Salmons, Chairman,  
Debating Society

## Last and least

Dear Dave,

I have just written a letter to you. On reflection I realise it to be very boring, and have therefore thrown it in the bin.

I hope this action meets with your approval.

Yours sincerely,  
Nosmo King

# Felix

## South African Speaker

Many people I have spoken to since Peter Goosen's visit on Tuesday have taken the view that his ideas were fairly progressive, and that his wish for a 'one man one vote system' was genuine. It has also been noted that nearly all the coloured people who attended came to listen to Mr Goosen's speech and ask questions, rather than join the vociferous group of demonstrators outside the lecture theatre. Though I sat and listened attentively to what he had to say, at several points during the meeting I wished I had joined the protestors. Mr Goosen came across as generally very reasonable, but his arguments about the use of violence by the ANC were grossly inconsistent. I do not accept his contention that the onus is on the coloured leaders to come forward and negotiate. The South African government have used brutal means to subdue the majority of the population; to adopt a 'holier than thou' attitude and refuse to negotiate with groups who may have condoned violent acts is hypocrisy of a disgraceful nature. Oppression by violence will breed violence; if the South African government is threatened by terrorism, then that

terrorism is of its own making. Their regime is both inhuman and morally wrong, and they should not look for concessions from the resistance before pursuing meaningful reforms.

## Election Publicity

Candidates wishing to have posters, handouts or other publicity material printed in FELIX should submit finished artwork 5 College days in advance of the required date. This will guarantee that publicity is delivered on time. 2 days should be allowed for the completion of copy submitted for typesetting. I shall be available on Fridays and over weekends to assist with preparation of artwork, but not at other times.

## Credits

Thanks to Nigel Whitfield, David Burns, Mark Cottle, Chris Edwards, Chris Martin, Kamala Sen, Andy Bannister, Sunny Bains, Sundi, Jane Spiegel, Francis Myers, Pippa Salmon, Liz Holford, Helena Russell, Alex McNeil, Aidan, Myles, Ina, Neil Motteram, Drain, Hamster, Judith Hackney, Pete Wilson, Christine Taig, Dave Colley, Aaron Kotcheff, Bill Goodwin, Rose Atkins and Steve Shackell.

Don't forget  
your loved one  
in next week's

VALENTINE'S  
FELIX

On Friday February 13th

All small ads to be in by  
1.30pm on Tuesday

Please address all ads to  
Nigel Whitfield, Valentine's  
Coordinator

Letters should be submitted to the FELIX Office by 1.30pm on the Tuesday before publication. For Sports Reports, Club Articles and What's On entries the deadline is 1.30pm Monday. No entry will be accepted after these times.



# MEGABRAIN

## Walter

### Heliconic Hassles — solution

Of the three solutions I recieved to this, only one solved the problem using the easiest and neatest method of modular arithmetic. In modular arithmetic (also known as 'clock' arithmetic) an integer number is only considered as it's remainder when divided by another, for example the number 23 taken modulus 5 (this is notated  $23 \bmod 5$ ) is equal to 3. Notice that, modulus 5, all numbers become either 0,1,2,3, or 4 (0 if the number is divisible by 5). Modular arithmetic works as ordinary arithmetic under addition and subtraction, e.g.  $(6 + 7) \bmod 5 = 6 \bmod 5 + 7 \bmod 5$  i.e.  $13 \bmod 5 = 3 = 1 + 2$ . Of course these equations work equally well modulus any number, but 5 is the number we are interested in. When squaring numbers you have to be more careful in modular arithmetic, the correct expression is  $(X^2) \bmod 5 = (X \bmod 5)^2 \bmod 5$  (you can check that). So the possible results,  $\bmod 5$ , of squaring any integer can only be:  $0^2 \bmod 5 = 0$ ,  $1^2 \bmod 5 = 1$ ,  $2^2 \bmod 5 = 4$ ,  $3^2 \bmod 5 = 1$ , and  $4^2 \bmod 5 = 1$ , i.e. 0,1,4, are the only possible results.

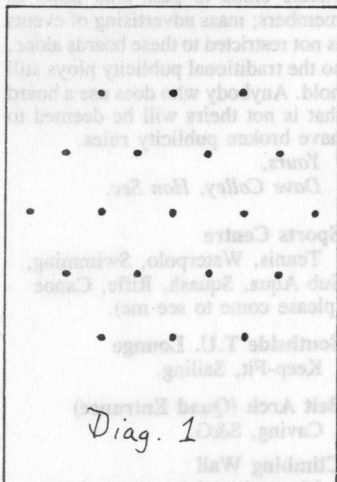
Now consider taking Pythagoras' equation,  $X^2 + Y^2 = Z^2$ , modulus 5. The equation can only now involve the numbers 0,1, or 4, and is impossible to complete using just 1 and 4. Thus, taken  $\bmod 5$ , one of

$X^2$ ,  $Y^2$ , or  $Z^2$ , must be zero and thus one of X,Y,Z must be divisible by 5. Well done if you followed all that, I hope I explained it clearly.

The winner was Edward Phiri, Mech Eng 1, who's solution was a lot less elegant than this, although correct. You can collect your £5 after 1.00pm Wednesday.

### Hexagonal Unsymmetry

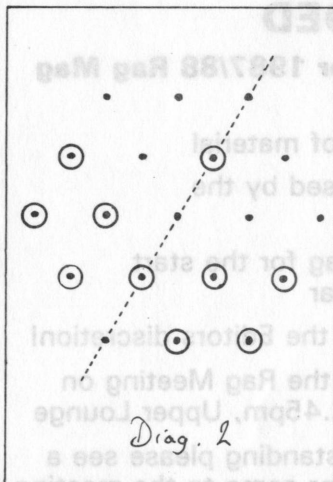
Since I can't think of an unamusing story to go with this problem I'll just tell it to you. Imagine you have 19 points arranged in a hexagon as shown below.



Now imagine picking 10 of them so that there are an even number of points in every column, row, and diagonal. One of the solutions to this is shown below, but notice that it has a plane of symmetry (as shown).

What I want is simply a solution that has no plane of symmetry. There is only one — good luck.

Solutions, for the £5 prize, to the FELIX office by 1.00pm Wednesday, please. Keep the original problems coming in too, you'll get a credit if I use one, I promise!



Walter is pleased to return to a new publication after a period of absence due to illness. For the benefit of his new readers he has asked me to define his aim in these columns: The job of a satire, it has been rightly said, is to strip off the veneer of cosy respectability and half truth in which we clothe ourselves, and Walter's post, as he sees it, is to put it back again.

The main furore in past weeks has concerned a certain fast-food outlet which has been much under fire by Hurricane Christine. Walter has refused to be drawn on this, except for a rare misquote: Ninety percent imagination and ten percent indigestion...

Of much more interest to such a sporting chap at this time of the year, approaching once more, when putative sabbaticals don the gloves and start swinging with all their might. Doubly interesting this year to observe the possible use of a hockey stick as a weapon! Walter does wish, however, that these people would stop swinging once they have been elected.

The final subject of Walters attention this week, is the move afoot on the part of ULU to make (and he quotes): "Hard-wearing condoms and water-based lubricants available in every bar in every college..."

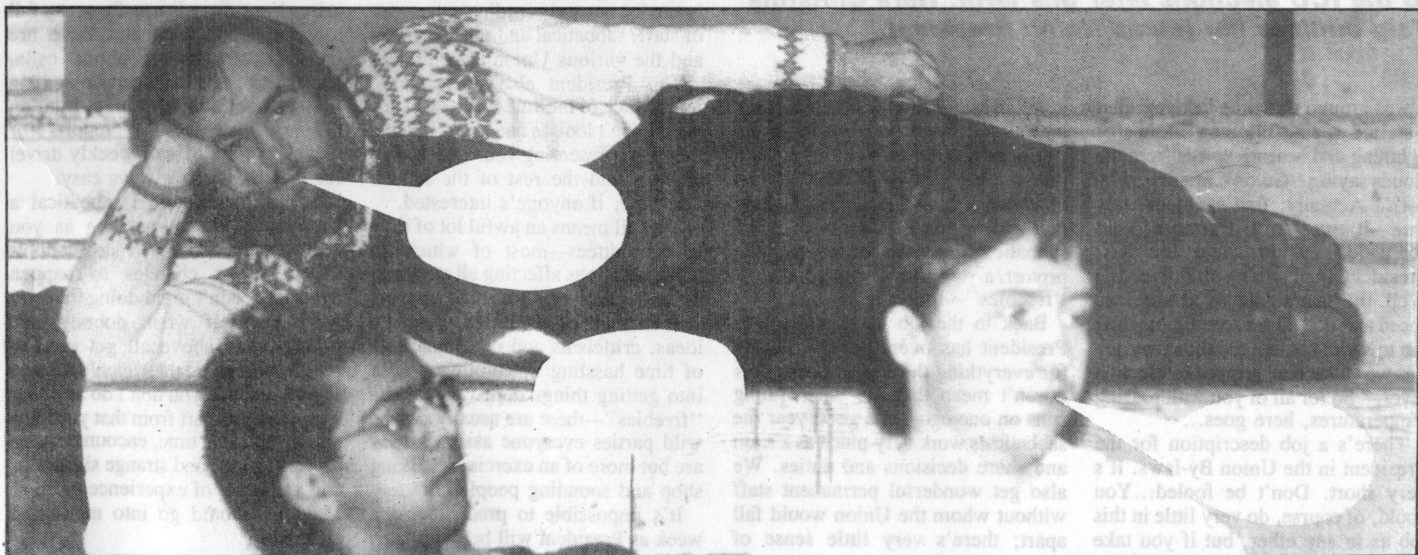
Walter feels that most bars already provide an acceptable range of water-based lubricants, and with the current popularity of tinned light beers, someone at Imperial is due for a nasty shock if they approach the barman and ask for a six-pack of Red Stripe.

More Anon

## Photo Caption Competition

## Win! Win! Win!

Don't miss out on the chance of a lifetime! Just fill in the speech bubbles below in the way you think most appropriate and a fabulous FELIX free gift could be yours. The entry which agrees most closely with the decision of the FELIX panel of judges will win all the teabags which we have left over from the Christmas issue.





# Lesbian and gay welfare

## News update

In case you didn't know, the acting L/G Welfare Officer is Robert Daniel. He can be reached in total confidence, at IC Union Office by internal mail and is ready to discuss anything.

### Lesbian/Gay Society

It will take quite a while to formally establish this kind of society.

In the meantime Robert proposes that all IC Lesbians/Gays meet at the ULU Lesbian and Gay Societies which meet every Thursday at

7.30pm at the ULU building on Malet Street (follow poster once inside—the atmosphere is very friendly).

### Questionnaire

Please fill in Q23 (Sexuality) honestly—this will help us decide what type of services are needed at IC.

### Finally

Listen out for the IC Radio interview with Robert—sometime this Friday or next week.

## NEEDED

### One Rag Mag Editor for 1987/88 Rag Mag

The job entails:-

1. Collating and collecting of material
2. Ensuring that this is passed by the censorship committee
3. Producing the IC Rag Mag for the start of the next academic year

Anyone can help on it at the Editors discretion!

The Election will be at the Rag Meeting on Friday 13th February, 12.45pm, Upper Lounge

If you are interested in standing please see a member of the Rag Exec, or come to the meeting

# All clubs take notice

All these notice boards have been reassigned due to the appearance of new clubs and disappearance of older ones. The letter asking for applications for a noticeboard went out on January 9th 1987. Each club and society had a letter sent to them from me via their pigeon hole. The letter stated categorically that anybody who doesn't hand in an application for board space will not be considered for a space. Current ownership or traditional sports are not excuses for owning a space.

Anybody who hasn't applied and therefore hasn't been allocated a noticeboard, will have to vacate their old space, or if they've never had a space that's alright. Please don't come whinging to me, as I feel 22 days notice is adequate, and besides you will not get sympathy.

These club spaces are there to enable clubs to pass club news to members; mass advertising of events is not restricted to these boards alone, so the traditional publicity plays still hold. Anybody who does use a board that is not theirs will be deemed to have broken publicity rules.

Yours,

Dave Colley, Hon Sec.

### Sports Centre

Tennis, Waterpolo, Swimming, Sub Aqua, Squash, Rifle, Canoe (please come to see me).

### Southside T.U. Lounge

Keep-Fit, Sailing.

### Beit Arch (Quad Entrance)

Caving, S&G.

### Climbing Wall

Mountaineering.

### Union Bar Foyer

Football, Rugby, Ladies Rugby, Hockey.

### Union Staircase (East) i.e. the

one next to the Union Office  
Netball, Balloon, H G Wells, Industrial Society.

### Union Main Staircase, Foyer & Magazine Board

Ski, Judo, Gliding, 10 Pin Bowling, Wist, Boardsailing, Gay/Lesbian, App Tech, PATA, FilmSoc, Arts Appreciation, Cricket, Fencing, Athletics, Orienteering, Cross Country, Amnesty International, Union Board.

### Walkway Noticeboards

#### JCR Door

1. Christian Union
2. WLC
3. Islamic
4. Bahai
5. Jewish
6. Badminton
7. Dance
8. OpSoc
9. ICSO
10. Choir
11. Chamber Music
12. Rag
13. Chinese
14. Polish
15. Judian
16. Hellenic
17. PakSoc
18. CSSA
- 19/20. STA Boards

Bookshop End.

# What does she do all day?

**Or, the first in a series of sabbatical job descriptions, scheduled to coincide with the run up to the ICU elections later this term. Here Christine Taig outlines her job as Union President.**

It was around this time last year that I started seeing blinding flashes of lightning and hearing voices from the clouds saying "Go on Christine, why not?" Actually, that's not entirely true—it was my flatmate who persuaded me to stand for ICU President (and we're still friends!) Well, the year's gone by at immense speed and now Dave Jones is hassling me to write something about my job "as we all become gripped by election fever." So for all of you with roaring temperatures, here goes...

There's a job description for the President in the Union By-laws. It's very short. Don't be fooled...You could, of course, do very little in this job as in any other, but if you take

it at all seriously it involves long hours and hard work. Being an engineer was never like this; it is a job, not a "year off." My only bit of advice is this—if anyone is thinking of standing for President—or ANY sabbatical post—in order to gain power/a good CV/lots of "freebies"—forget it now.

Back to the job description. The President has overall responsibility for everything the Union does. This doesn't mean that the whole thing runs on one ego—in a good year the sabbaticals work very much as a team and share decisions and duties. We also get wonderful permanent staff without whom the Union would fall apart; there's very little sense of

'hierarchy' in the Union structure. However, it ultimately falls to the President to ensure that Union policy is carried out and coordinate the work of staff, sabbatical and other officers and the various Union committees.

The President also presents the public face of the students of IC (just hope I don't look as bad as my photos, then)—representing your interests to College and the rest of the known Universe, if anyone's interested.

This all means an awful lot of time in committees—most of which do make decisions affecting all students, however tedious they may appear; vast amounts of listening to people's ideas, criticisms and problems; lots of time hassling or cajoling people into getting things done. As for the "freebies"—these are usually not the wild parties everyone assumes they are but more of an exercise in talking shop and sounding people out.

It's impossible to predict what a week as President will be like (apart

from Freshers week which is ludicrous, sleepless, chaos) as you have to respond to situations as they arise. Your diary is usually pretty full a week in advance and there are constant streams of phone calls, letters and visits from people wanting information, advice or help. Finding time to write monthly reports for Council or UGM's or weekly drivel for FELIX is not always easy.

So, is the life of a sabbatical a happy one?? Yes—as long as you don't expect too much sleep, don't expect major changes to happen overnight, don't mind doing the hard work yourself when nobody else bothers, and above all get used to people telling you the Union's a waste of time and that you don't do anything worthwhile. Apart from that you have a fairly amazing time, encounter some brilliant people and strange situations, and gain a lot of experience to boot. Maybe I should go into marketing after this...



# Right Charlies

by R2D2

The recent disappearance of hundreds of walking sticks from the Health Centre in Princes Gardens has fueled speculation that the College is on the verge of an outbreak of Chaplinism. Despite this alarming news the College authorities have made no attempts to alert students of the dangers. In this unique exposé FELIX reporters Phil Hoodwink and Prichard Stiles reveal the sinister truth behind the movement.

From its humble beginnings in Hollywood in 1906 the Chaplin cult has become one of the most influential organisations on the planet. Its membership is currently estimated at over 1 billion, and the organisation is known to have penetrated the hierarchy of the world's political powers.

At the head of the organisation is one known enigmatically as 'The Right Charlie', operating from the 'Chaplinity', his secret headquarters in Princes Gardens.

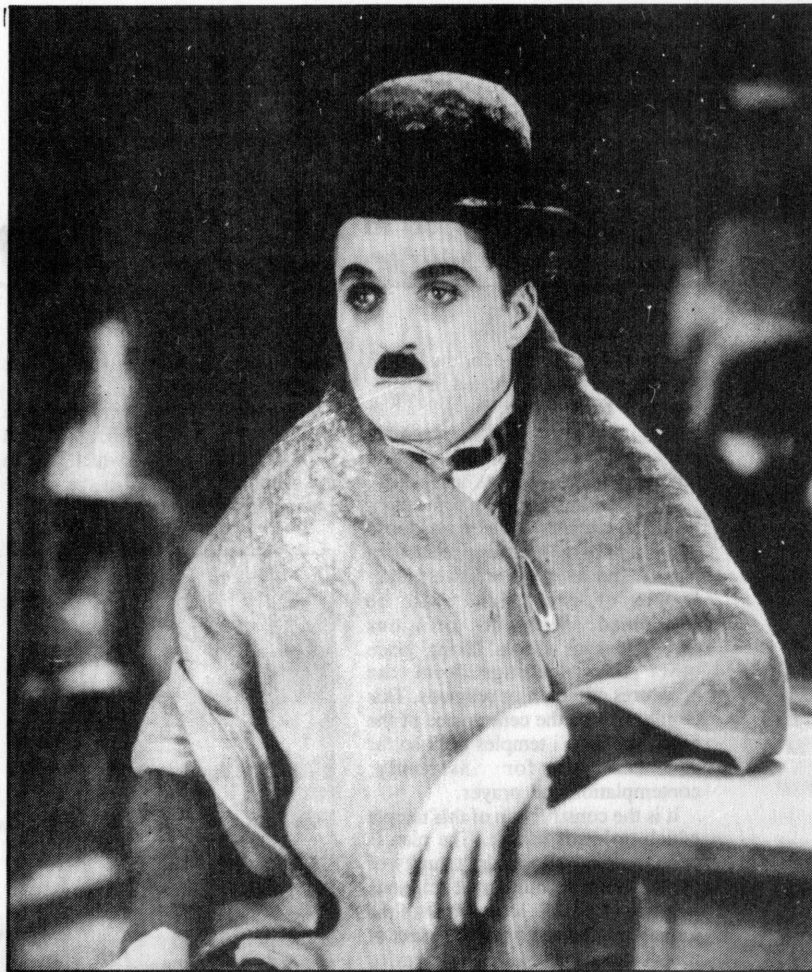
The Chaplin regime is strict, with members being expected to rise at 4.30am for early morning cane twirling and waddling practice. Braces, of course, must be worn at all times, even in bed. Becoming a Chaplinite is not easy, and members are selected only after months of observation and careful vetting. Even then becoming an 'apprentice-Chaplin' entails a grueling ceremony which trainees are expected to balance a cane on the end of their nose whilst

riding a bicycle along a tight rope. Becoming an 'under Charlie' is even more tortuous and candidates are expected to save a heroine from the railway tracks in under three seconds, and to give her a kiss without the bowler hat falling off. The task has become more difficult in recent times with the introduction of electrified rails.

Chaplinites meet on a weekly basis to perform a ceremony known as 'slinging the fish.' Here, the 'major Charlies' don the traditional zoo keepers costume and throw fish to apprentices and 'under Charlies' who catch them in their teeth. Then, at the end of the ceremony, the Chaplinite anthem 'Hit Me With Your Rhythm Stick' is sung and the ritual cane dance performed.

The movement has, in modern times, begun to infiltrate the controlling echelons of society. The Civil Service and the Stock Exchange have been penetrated to such an extent that Chaplinites can be seen donning their attire in public—the bowler hat and the walking stick craftily disguised as an umbrella. In fact, the secret Chaplinite hat tilt is almost a thing of the past, with a number of Chaplinites publicly admitting their Chaplinesque tendencies.

The greatest question though still remains unanswered: Who is the current Right Charlie? There has been much speculation that Edwina Currie is a likely candidate, but even she



*A confused and bewildered member of the cult.*

would admit that her moustache is the wrong shape. More probably the answer lies much closer to home, with reported sightings of a man with

blond curly hair and a funny moustache in the Geology Department. It is amazing what hair dye can do...

## A Ferret Writes

Just when you thought it was safe to go back to the Opinion Pages...

What's all the fuss about this time? The problem is constitutions; what are they for, whether they should be broken, with specific reference to the President of RCSU. It's comments like 'I'm quite prepared to go against the constitution if necessary,' that are the problem, and they make it quite clear that Simon Singh hasn't the faintest notion what a constitution is for.

Now, like a good essayist, I reach for my copy of the Oxford English Dictionary and find out the definition of constitution. 'Body of fundamental principles according to which a state is governed' is what the book says, and what are our fundamental principles? I think most people would agree that in this college, the fundamental principles are those of democracy. Now I've made some cutting comments about democracy and its efficiency as a governing system, but it is the agreed basis of how we do things here, and it is the only way of keeping all of the people

fairly happy most of the time. Whatever anyone says about how a democratic body is run, they only have themselves to blame for voting for it in the first place.

Now, when a constitution is broken someone's democratic rights are being abused for the benefit of someone else. The end result of the process is dissatisfaction, loss of good will, and, at the very least, a lot of bad feeling that hampers the running of an organisation, and in the worst case the offended body disintegrates completely.

Now, Simon has some very personal and distinct views of how RCS should be run, and feels that it is his duty to 'achieve something' with the Union. He also feels that he has only a short time to do this and to expedite his changes he is 'quite prepared to go against the constitution.' He justifies this by saying firstly that his proposed changes are to the general good, and everyone will agree with them anyway. Okay, if they are so good why not propose them to a meeting

and actually get a mandate to do what you want? There were only two RCS UGM's last term, one of those the Fresher's one, and both in the early part of the term. It took a petition of 50 signatures to force Simon to hold an EGM at the end of the term. Simon explained that no other UGM's had been held because of illness on the part of Guy Perry, RCS Hon Sec, who constitutional job it was to arrange meetings. But since Simon is prepared to go against the constitution when necessary he could easily have arranged an UGM himself, if he thought it necessary. Clearly then he did not think it was necessary to hold a UGM to discuss some fairly sweeping changes that he had imposed, such as selecting a new Broadsheet Editor himself. In fact, I would go so far as to suggest that Simon felt it was necessary not to hold a UGM because he knew he would not get the support he wanted. So he purposefully denied members of RCS of their democratic rights. That is what happens when constitutions get broken.

There is good reason why the constitution of any body makes it difficult to change things. This is because changes that are not agreed upon by the whole consensus of opinion are dangerous and divisive. And it's no point saying, and he has, that if a change imposed by Simon is

wrong then 'a good bollocking and... resignation' will solve matters. The damage may already have been done and be irreparable. The whole point of constitutions being resistant to change is to prevent one person doing things that are wrong and potentially destructive. Change can only be achieved with stability if it is a process of evolution rather than revolution.

In describing the RCS constitution as 'sacred scriptures' Simon demonstrates that he has no respect for it at all. It's about time he knew what it was there for, rather than just regarding it as an obstacle to moulding RCS into his own, not very likable, image.

I am very worried about what might happen to RCS this year, since Simon seems to believe he has the right to force anything through that he wants, without even discussing beforehand whether he is right or not. It takes only one slip in this situation to do severe damage.

I don't think Simon has done any real damage to RCS yet, but there is still a long time to the end of the year, and he has plenty of opportunity left. I shall be watching developments at UGM's and GenComms with interest.

*Dave Clements*

Note: Quotations are taken from Simon Singh's editorial in the first Broadsheet of this term.



**FELIX takes a look at the new Baha'i temple in Delhi, which Imperial College's Aeronautics Department helped to design**

# Lotus leaves for the Baha'i

A new Mother Temple for the Baha'i has recently been dedicated in Delhi. Claimed to rival the Taj Mahal in beauty, it has been built to resemble a lotus—sacred flower of India—in bloom, afloat among its leaves.

The complex, covering some eight hectares, consists of the main House of Worship, a reception centre, a library and an administrative block. People of every faith will be welcomed, with no religious ceremonies or rituals taking place other than readings from the scriptures of the major religions. This temple will be the centrepiece of the other six Baha'i temples built so far as centres for assembly, contemplation and prayer.

It is the construction of this temple which makes it unique. The plan is nonagonal, symbolising the unity of the teachings of nine great religious prophets. Thus the lotus-shape of the temple is achieved with three sets of nine leaves around an inner traceried dome. The first set face outwards and form entrances to the ring-shaped hall, the second set curve inwards and the third set nearly close to form a bud, but the tops open gently out, and a glass and steel roof allows light to filter into the building. Nine pools, bridges and balustrades surround the complex.

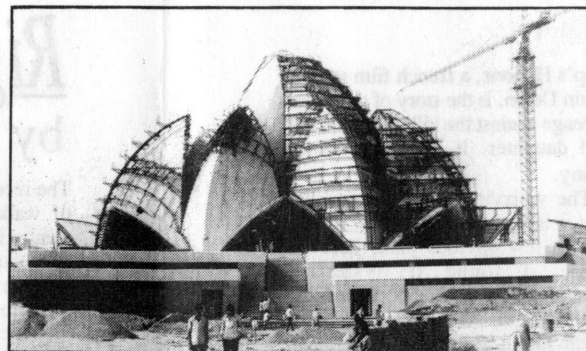
The building of the temple presented considerable difficulties. No straight lines were used, which made the task so complex that two and a half years were needed to completely work out the geometry and engineering drawings. The lack of well-developed concrete technology in India, and the unavailability of a certain type of rolled steel for reinforcement hampered the construction. In all it took the efforts of up to eight hundred

people over ten years to complete the temple.

A mixture of white cement, silica sand and dolomite aggregate was used to construct the leaves, which though towering to 34 metres in the centre are in parts only 6 centimetres thick.

Engineering played a part here, testing models of the structure in a wind tunnel to check wind pressure distributions and ventilation. The complex techniques necessary for construction and reinforcement had to be checked at every step. Hot weather

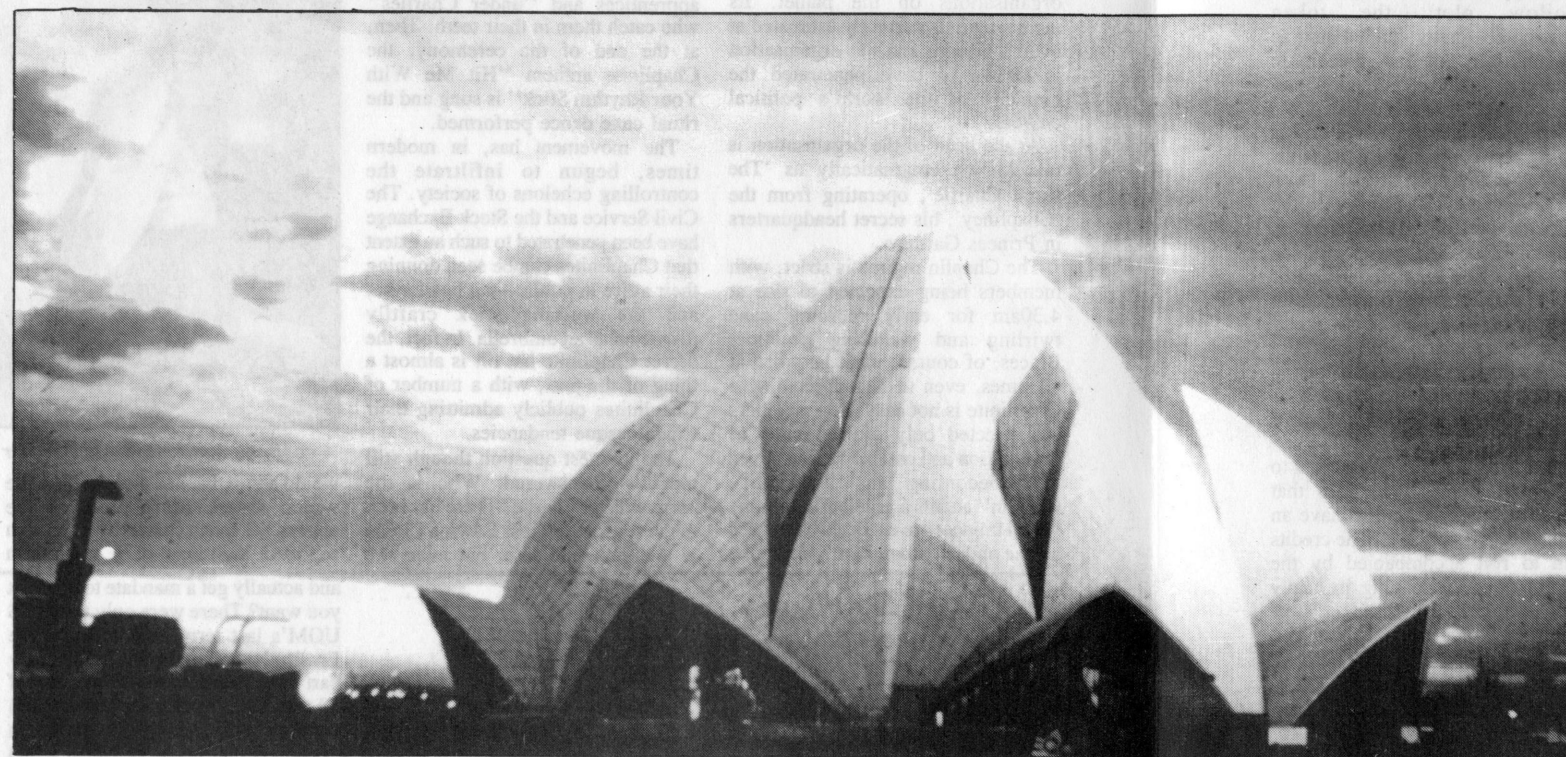
caused problems as well; elaborate precautions had to be taken to keep the concrete cool while it was mixed and set. The final stage was to clad the shells and arches with panels of white Greek marble, carefully shaped and fitted by means of stainless steel



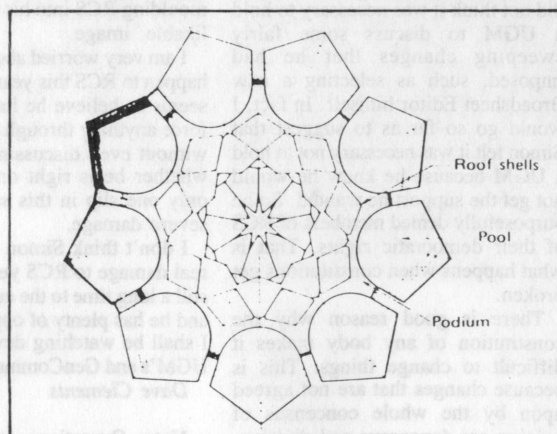
brackets.

The end result, dramatic though somewhat resembling the Sydney Opera House, was meant to embody the 'purity and oneness of the Baha'i faith' by its architect, the Canadian Baha'i, Fariburz Sahba.

**Three views of the Baha'i temple; top, under construction; centre, the completed temple; bottom, plan view showing lotus design.**



The expected longevity of the temple meant it had to be designed to withstand great stresses whether from earthquakes or from gales. Imperial College's department of Aeronautical



## First Impressions

My initial and lasting impression of New Delhi is the visible extremes between the rich and the poor. The airport was rather impressive but men, women and children were sitting, permanently by the look of it, on the cold stone floors at the exit. And the beggars, wearing tattered clothes; and those better dressed, but only just, too ready to accept handouts for services rendered, like the counter clerk who let me use his desk telephone (how I missed British Telecom then!) and smilingly said afterwards "Nothing in life is free, madam." I stood bewildered and fascinated at the edge of the motorway outside the three star hotel and ox-drawn carts, bicycles, three-wheeled covered scooters, taxis (looking the part in a 60's movie), sports cars and

mopeds with business men and briefcases, all zoomed past. A very incident-free lawless m  le  . It was like that everywhere—a juxtaposition of the have and have-nots

I was inspired by the Lotus Temple. It is an architectural gem—it seemed to be floating, with its surrounding nine pools. It's caused by all those curves. During the opening ceremony I felt thrilled. There were selected Writings from the Hindu, Moslem, Christian, Buddhist and Baha'i scriptures. It didn't matter then whether the person next to me was from a different religious background or not, the Baha'i Houses of Worship welcome all peoples to worship. The highlight of my temple experience happened during dawn prayers one day. A bird flew into the building, perched itself on one of the interior petals, and proceeded to sing throughout the entire devotional

recitations. A delight for the 3000-odd people there.

Socially the Baha'i conference accompanying the dedication was the high point. Over 104 different countries were represented by the 8000 participants. I cherish my chats with musicians from the Seychelles, Japanese, a family living in Nepal and an Australian working with the aborigines; I rode an elephant; I scalded my heart and soul (and tongue) with authentic South Indian dosa; and learnt the art of slowing down my thinking and doing processes—an art the average Indian appeared to have mastered to perfection.

Oh! and I now appreciate a glass of water from our taps to a degree I never, ever thought possible. The 'Delhi belly' experience caused that!

Michelle Coward

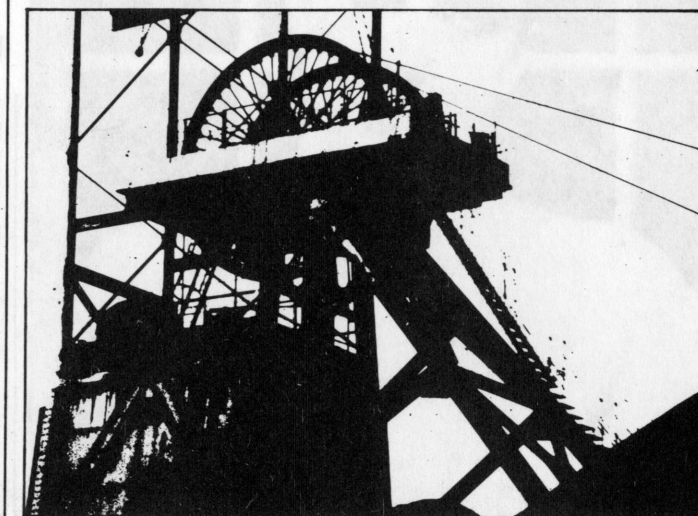
The Baha'i Society at Imperial College has listed in its membership students from Africa, Britain, the Caribbean and the Middle East. With such a variety of cultures, the Baha'i Society organises activities which provide for the interests of all its members, thus demonstrating one of the essential principles of the Baha'i Faith—the oneness of the human race.

The Baha'i Society also organises occasional events aimed at attracting the interest of all students. Prominent speakers from various religions and humanitarian organisations are invited to express their views on a topic of general interest; and where possible interfaith meetings are held, in cooperation with other religious societies at IC, in accordance with the Baha'i teaching that all religions are basically one.

One of the astounding beliefs of the Baha'i Faith is that 'world peace is not only possible but inevitable,' and that 'humanity has now reached the darkest hour before dawn.' Thus the governing body of the Baha'i has published a document discussing the practicalities of achieving world peace, which the Society distributes to members of staff and students.

A slide show of the opening ceremony of the Indian Temple will be shown on Thursday 26th February at 1.00pm in LT4 Chem. Eng. Dept.

## Science, technology and?



As students at Imperial College we are mostly training to become scientists or engineers or accountants. We hope to acquire an ability to function and make decisions in a technologically advanced world. This ability includes such mundane skills as knowledge acquisition and organisation, experimental technique, report writing, etc.

Are there any other skills we should wish to acquire in order to function as scientists, engineers or accountants?

Our world is increasingly coming to accept that decisions should be made after considering human and moral questions, as well as issues of economics and technological possibility. In this column, I want to try to look a little at the moral and human issues which are relevant to us. I'm not a philosopher, so I can't write much about the detailed thought which has gone into such issues over the past millennia. Similarly, I'm not a theologian, so I won't attempt to put forward any particular religious view (there are plenty of other people who are only too glad to do that). I am a writer, so I want to look at how writing can be used to look at these issues.

Writing can be used to raise questions and, possibly to suggest answers. The best writing does not act as propaganda, spouting forth simple dogma as a solution to complex problems; but rather, it causes the reader to think about new issues (or about old issues in a new way) and allows him to find his own answers. Good writing lays down a solid foundation, upon which the reader can build his own ideas. (Of course, skilful writing may also act to push the reader in a particular direction, by addressing the emotions. The reader should be aware of this. However, human beings are emotional animals, and questions about human issues can only be answered fully by considering the emotions as well as the 'facts').

These ideas are best pursued by illustration, so I will present an attempt to look at the issues of economics and mining, and their impact on individuals and communities. These issues are of obvious interest to many people in this college.

Geevor

*As the cage drops you enter her  
and can no longer breathe  
except through her.  
Safety is your illusion:  
her ribs and back surround you,  
but there is no pleasure  
away from her embrace—  
Wish only for the deception to  
continue.  
On the final shift  
I wash off the smell of her  
and try to run away.  
There are no words;  
only an empty locker  
and a redundancy cheque  
to buy flowers for my father's  
grave*

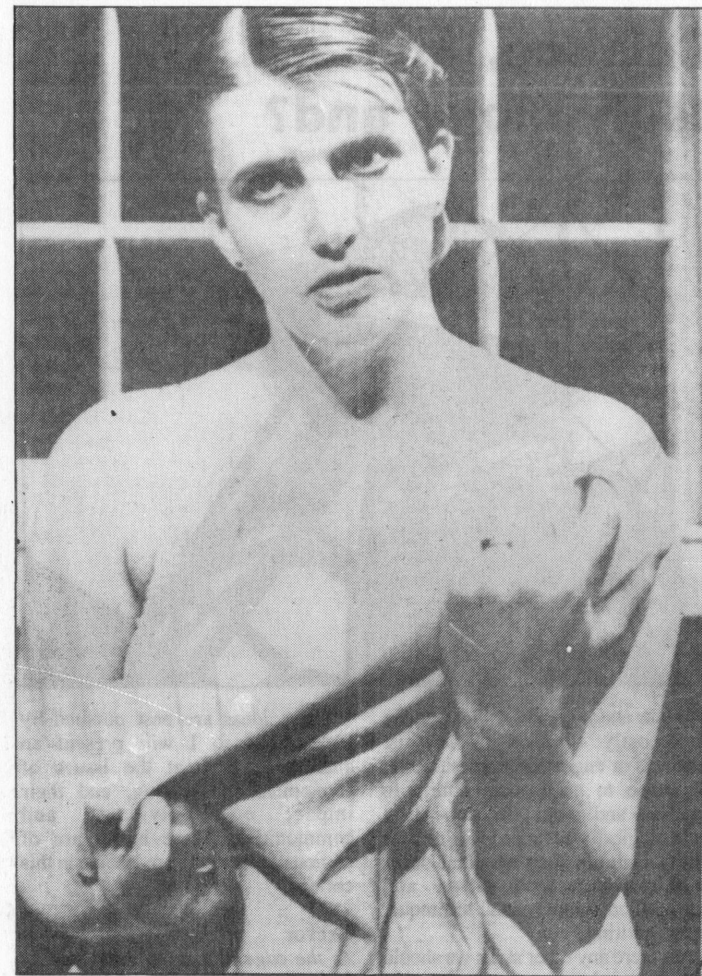
(first published in Envoi 86)

I won't belittle the poem by attempting a detailed analysis of it: its message is quite clear. My point is that, as scientists, we should be aware of such issues. (You may also wish to consider how the poem achieves, or fails to achieve, its impact; whether the sexual/sexist viewpoint is relevant to the issue in question; and any number of other questions arising from this single short poem.)

This column will be an occasional (or regular, depending on my energy and your input) feature in FELIX for the next couple of terms. I would welcome input from other members of College, especially in the form of poetry or (very) short stories addressing the issues of the human impact of science and technology. Comments on the questions I raise are also welcome.

Graham





A young unmarried woman tries to conceal her pregnancy and gives birth to a stillborn child. Later the body of a newly born baby is found stabbed to death on a nearby beach. The woman is accused of its murder, and despite the incompatibility of blood groups, the discovery of the body of her baby in the field where she buried it and the complete lack of any substantial evidence, charges are pressed, following the mistreatment of the woman whilst in police custody.

This is not fiction, it is the Kessy Baby Case in Ireland in 1984. The story of Joanne Hayes was not a murder hunt, it was an investigation into the morality of a country where pre-marital sex and contraception are banned. Joanne Hayes was a naive scapegoat.

*Fallen* at the Drill Hall Arts Centre is a one-woman show (by Polly Teale), retelling the story from Hayes' point of view. Consequently it deals more with her upbringing, the affair with a married man that led to the pregnancy, and life in rural Ireland than it does with the international storm of protest against the Irish State that exploded when news of the case broke.

Carole Pluckrose is superb as the confused Joanne. Julia Bardsley's production deals well with this controversial story. It is one of those stories that would have been dismissed as inconceivable had it been written as a piece of fiction. I greatly recommend you see it before it closes on February 14th.

Liz Holford

## Journey among the dead

The title is a perfect summary of the play: an autobiographical account of the central character's life. It is set in Jean's mind in the past, present and future and one never knows what is real, allegorical or fantasy, for example Jean witnesses a conversation between himself and his father which they never actually had—but should have. Jean condemns or praises all that he has done, is plagued by indecision, feels guilt and shows great selfishness.

The play becomes more unnatural and surreal as it progresses. Jean becomes unable to distinguish between his mother, grandmother and all the other people he has hated and stripped of their pride. Towards the end we discover the reason for Jean's frustration—he is unable to find 'the final truth'. The whole play climaxes with Jean's harrowing confession of his innermost secrets.

Most of the acting is good, the naturalistic way in which Jean is portrayed contrasts well with the caricatures of the rest of the cast. There is a lot to take in at one sitting but something with which everyone can identify in *Journeys Among the Dead*. I did not understand all of the play. I would have to find out more about its writer, Eugene Ionesco, to do that, but I was left with a need to do this, which I suppose is one of the marks of a good play.

Alex Snelling

## THEATRE

### Penny for a song

The Royal Shakespeare Company will be showing, until the 7th March, a production of "A Penny for a Song," by John Whiting at the Barbican Theatre. It is probably the most popular of Whiting's plays, and, in my opinion, one of the best.

The production was visually superb, with a beautiful set, fully worthy of the high standard expected of the RSC.

It is the story of a group of colourful eccentrics, all of whom have their own contrasting characters. An example of this is, in his own eyes at least, the hero of the play, "Sir Timothy Bellboys," the owner of the house and garden where the play is set. The play revolves around his attempt to defeat Napoleon and his seventy-five thousand troops single handed. His master plan will not be revealed here, but includes his disappearance down a well and his subsequent spectacular reappearance in a large red hot air balloon, less than triumphant.

"A Penny for a Song" has all the ingredients of a good comic farce, and takes advantage of them with maximum effect. By going to see this play you will have the chance of seeing one of the world's finest dramatic groups putting on a performance of what is, to me, an excellent comedy. In short, I would recommend anyone to see this production if at all possible—a very funny play, well produced—all in all a highly enjoyable night out.

Miles Henderson

Cop's Honour, a french film starring Alain Delon, is the story of one man's revenge against the killings of his wife and daughter. It is also extremely funny.

The worrying thing is, however, that it is meant to be deadly serious with a few obvious jokes here and there; I found it hysterical, interspersed with gory bits now and again. Perhaps the overall impression of the film is aptly summed up by the fact that the hero goes by the name of Daniel Pratt. It seems as though the makers of the film have taken all the standard ingredients of police films, mashed them altogether and put the result in the oven at too low a temperature.

The rugged hero; the simple, easy-to-follow plot; the token policewoman—pretty, but not quite as good at her job as her male counterparts—they all lacked a certain je ne sais quoi (sorry!)

Even the obligatory car chase was sadly lacking in credibility—Renaults belting round the back streets of Lyon somehow can't compete with the American version. Still, there is plenty of blood and guts to fill the void—not a film for the squeamish.

Delon manages to survive the film by amazing luck and some pretty unbelievable physical acrobatics, but at the end one is left with a feeling of having been somewhat cheated, as the rest of the cast is either dead or maimed.

By the time the story-line seems to be improving and one thinks that maybe the script writer did have an imagination, it's too late. The credits begin to roll accompanied by the dreadful theme tune sung in heavy "allo-allo" accents.

Definitely not a film for the squeamish!

Helena Russell

### The keep

Four years after its release in America, *The Keep* comes to London. Its reception in the US, which can only be described as lukewarm to tepid, may well have been a contributing factor to its late release here.

Scripted and directed by Michael Mann, (*Starsky and Hutch*, *Miami Vice*), *The Keep* is very loosely based on the idea of a fable, set in World War II. The film centers around an old 'Keep' in the Carpathian Alps, which the Germans take over as a stronghold. Ignoring the advice of the locals to leave, they stay and sure enough release the monster, Radu Molasar, a seven foot 'being', and the corpses follow with alarming regularity.

The bodies left scattered around causes the Nazi head command to bring in the SS-man Kaempffer (Gabriel Byrne) to take over from Capt. Woermann. Woermann, wonderfully portrayed by Jurgen Prochnow, is a kind, gentle character,



who would have fought against the Nazis in the Spanish Civil War, had he been there. Prochnow forces us to realise that not all the Germans were evil, by portraying a character that everyone can associate with. It's a pity though, that his wonderful performance is slightly marred by a very coarsely acted final drunk scene. However, his interaction with Mr Byrne is a delight. Byrne's Kaempffer is as cold as Prochnow's Woermann is warm—and these two provide most interest in an otherwise fairly dull film.

Why Mr Mann claims that the star of the film is Scott Glenn, I will never know. Apart from half a dozen lines his performance is merely of an observer, a bit of Clint Eastwood but without the power. His love affair with Alberta Watson, playing the daughter of a Jewish professor (Ian McKellen—perfectly at ease as normal) brought in to help the Germans stop the deaths, is as convincing as Glenn's original

waking scene. This scene is typical of the whole film, by moving from a very simple idea, that of Claeken Trismegistus (Scott Glenn), waking and realising he must go and kill Molosar, to a point where the scene is played with strange lights and the same music that had been battering our eardrums since the start, and thus can only be remembered for the fact it is curiously out of place in a very dark and murky film.

The music by Tangerine Dream, while fitting the atmosphere perfectly, then proceeds to completely negate this effect by becoming overused and consequently monotonous. The film however does have some very good points, notably the photography which ranges from a superb close up of a match bursting into light, to the fantastic death scene at the end.

The cameraman saves the film from descending into the depths of forgotten flops, although there is also some good humour. It is an interesting experience.

Catherine Manolopoulos

## FILM



The Russian film *Farewell*, based on the novel *Farewell to Matyora* by Valentin Rasputin, is directed by Elm Klimov. The film deals with the evacuation of Matyora, a remote island village in Siberia, which is to be flooded for a new hydro-electric dam. The central character is an old woman called Daria, who represents the traditional peasant community and cannot accept that all she has known is to be destroyed. Her son, however, feels that there is no choice and is given the job of relocating the peasants to the mainland. However, the conflict between mother and son is not exploited in such a way as would turn the film into an emotive



drama concerning only one family.

The film is very visual, the atmosphere being created largely by the evocation of the elemental bond or empathy that the community has with nature. Whatever your reaction to the striking use of nature in the filming, it remains that the basic conflict of humanity versus modernisation and technological advancement is the overriding concern in *Farewell*. In the end Nature shows its power to thwart actions and whether, in this case, this is ultimately advantageous or detrimental, it points to the simple fact that human beings are not as in control as they like to think. Films with sub-titles are unfortunately not

as widely shown as they should be. Lack of commercial appeal should not however deter you from viewing *Farewell*. Its appeal lies largely in the very fact that it gives access to the perspective of a Soviet filmmaker. Elm Klimov, recently elected Secretary of the Soviet Filmmakers' Union in Moscow, will be in London to open *Farewell* at the Renoir Cinema, Russell Square, WC1, on the 1st May. During his stay he will also be giving a Guardian Lecture at the National Film Theatre on Tuesday 28th April, when he will talk about recent developments in Soviet cinema.

## backSTROKE



Custom car-painting has been in the doldrums for a long time, but that is soon to change with the development of a brand new type of paint. The paint is composed of liquid crystals that produce different colours when a charge is passed through it. The current causes the particles to line up in various orientations according to the current used, and to produce the various hues. Under computer control very complex designs can be produced on car bodies in the time that it takes to spray a normal car. Once the paint has dried the crystals stay in place permanently.

It is now possible to produce cars with instant 'go faster' stripes and paint furry dice for little more than the cost of a replay. A further development to aid advertising on cars and vans is the moving paintwork, where a television picture is produced using a spare car battery to drive the image, with the production of non-drying crystals.

Keeping your notepaper in pristine condition always presents problems. No matter where it is kept it gets dog-eared and dirty. However there is now a solution in the form of bottled paper. Using differences in surface tension in the cellulose solution a complete piece of paper can be poured in one go. The paper comes in a variety of sizes and weights marked by a colour coded top. Scientists are still working on a way of incorporating a watermark into each sheet, something which has so far eluded them.

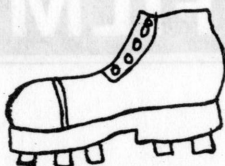


Computer technology has once again come to the aid of the music industry. The introduction of the Fairlight synthesizer opened up a whole new range of sound to the composer. However, this new found choice has left them confused as to which sound to use next, leading to long delays in recording. The invention of the new random sound generator has freed composers from all this painful decision making by selecting all the required sounds that the computer sees fit. The system can be programmed to take care of various song types with the settings of 'Bucks Fizz', 'Peter Gabriel' and 'Stockhausen'.



## RUGBY

### Police Violence



After trekking North of the Arctic Circle to Welwyn Garden City, the team was picked up at the station by a police van (complete with riot squad). The match started in reasonable, if cold, conditions, the first half was very evenly matched, ending at 0-0. The IC pack evenly matched the Police pack, and put on a good show in the set scrums. The line defended well, and put the Police under pressure when they were given clean possession. The second half started badly for the College, with the Police flanker going over in the corner for a try, which was well converted by their fly-half. IC restarted, and after the pack won good

second-phase ball, the line on it well down the centre of the field. Fly-half Grant Hamilton kicked through, and was then blatantly blocked by one of the Police players. The referee awarded a penalty try to the College, which was converted by Grant Hamilton. IC slowly gained the upper hand, and from the Police 22-meter line, John Peacock (scrum-half) passed to Jason Jenkins (tight-head prop), to Frank Millar (2nd row) to Rob Hargrove (8th man), who scored under the posts after a never-before seen display of athleticism to put IC ahead. This was converted, and IC ended up the winners by 12 points to 6.

## FOOTBALL

### Near draw



A fine winter's day at Harlington saw another character testing game from the IC II's. IC began well with Keelin and Poppy making things happen down the right flank. Many chances were squandered until J West firmly headed home an S Dunthorne cross in the 23rd minute. IC sought to strengthen their lead but their best chance was cleared off the line from 8 yards after a close range shot from Adams.

SOP's brutish centre-forward then took a hand in the proceedings. First he latched onto a poor pass from Dunthorne and only magnificent timing by J Wreford, the IC keeper, saved a certain goal. Then Wreford punted the ball forward, only for the SOP midfield to head forward. Their centre-forward reached the ball first again, and his lob shot caught Wreford stranded off his line to make the score 1-1. Shortly before half-time the same centre-forward caused more

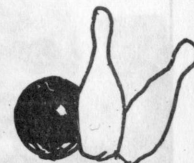
problems for IC. From a corner he blatantly pushed Rob Kelly, his marker, and then headed the ball into the net. The goal was given despite angry protests from Barrow, the IC skipper.

The second half began poorly for IC and things looked grim. But as the game wore on IC began to regain their composure. Pressure began to build up on the SOP goal. Barrow's blistering shot from the edge of the area crashed against the underside of the bar and bounced on the line; Keelin's cry of "lucky bastards" was treated with a smile by the referee. Minutes later Gordon brought relief to IC as he confidently shot home from inside the SOP area.

With 8 minutes to go a draw looked imminent (eh? - Ed). Phil Adams thought differently, though, and his beautiful, curled chip shot from 20 yards became the winner for IC.

## TEN PIN BOWLING

### Superbowl '87



Pigs will be flying, Sheffield flooding and the moon will be a lovely shade of ultramarine. Why? IC 10 Pin Bowling Club has finally won! A dishevelled looking Brunel team ventured down from the backwaters of downtown Uxbridge and probably wished they hadn't.

The 'A' team won by over 350 pins even though they lost the second game.

The 'B' team won all three games though all three were quite close.

The same score was achieved by the 'C' team, who bowled very well. The only team to lose was the ladies who, with a player short, didn't stand a chance. This has been the case all season so if there are any women out there who'd like to join see the 'What's On' guide.

The Club continued its new-found winning ways on Saturday at what is the premier national handicapped doubles event. Six teams were taken, with IC finishing first and second in the handicap and third in the scratch.

In the surroundings of fading fifties

sleaze our teams struggled on the dead-end alleys of the Airport Bowl. With balls that had gouges out of them bigger than the finger-holes and machinery that sounded like 16th century printing presses, things did not look so good after the first three games.

However, consistently good bowling from Chris Wheeldon and Paul Gaines took them into first place in both the scratch and handicap sections. Although overtaken by a whisker in the scratch they easily held onto first place in the handicap.

Superb bowling by Richard Ingram helped him and his partner Andrew Tress into second place in the handicap, only 30 pins behind their team-mates.

This was a very good all round performance by the six teams, that also included Anita Lee, Nicky Fletcher, Tim Cordingley, Simeon Paster, Nick Brigham, Eric Barfield, Kashif Saeed and Martin Morris.

So, after two successive victories is there no stopping this team?

## CROSS COUNTRY

### A run in the park



The Hyde Park Relays, the largest student relays in the country, will take place on Saturday February 14th. On that day, 1300 runners will converge on Hyde Park, including a smattering of internationals such as 1984 London Marathon winner Charlie Spedding. As well as teams from all over the UK, there are entries from as far afield as Norway and Holland. The event is organised by the Cross-country and Athletics Club and we have been fortunate to obtain sponsorship from Nike, Barclays and Firkin, the latter providing free beer to competitors.

The course is a loop around the Serpentine starting near the top of Rotten Row. The relay starts at 2.30pm with the mens' race consisting of 6 legs and the womens' four. Standards are invariably high with the leading men completing the 3 mile course in under 13½ minutes. If previous years are anything to go by, Birmingham and Loughborough will be the teams to watch.

Although the orienteers have kindly agreed to provide marshals, we could still use some extra help on the day, the incentive being a free Hyde Park Relay T-shirt.





## CYCLING

### On your bikes

With the first race of the season looming, the serious racing members of the club have increased their training schedules to include two weights-sessions and swimming each week, in addition to maintaining an average of at least thirty miles on the bike per day whenever possible. Well-established riders Rob Newton, Steve Turtle, Andy Major and Matthew Whitaker are already beginning to look like a formidable team for the season ahead, with several new-comers also showing great promise at a relatively early stage in their training.

Due to Katherine Hunter's unexpected success in the Student National 10-mile Championship last year (where she finished 2nd in the womens' category), the Club would very much like to recruit a full womens' team (of at least three members) to enter all of the Student National events this year—where they would have a very good chance of winning team prizes. However, since Katherine graduated in the summer we now only have one serious female

member, and shall have to pass up a golden opportunity for prize-winning unless we rectify the situation shortly.

Racing aside, new touring members are also a bit thin on the ground so far. People tend to forget that there is a more relaxed side to cycling—we do, in fact organise touring weekends on a regular basis, but cancel them through lack of support on an equally regular basis. These events are normally fun, and consist for the greater part of stopping every few miles for cream teas in quaint old cottage-restaurants. It would be nice to see this side of the Club expand as well as the racing teams.

The Cycling Club is here for all of you to enjoy—we meet at 12.30pm on Thursdays above the Southside Bar to plan a programme for the week ahead—so do come along and talk to us if you are at all interested. We will be happy to offer advice on equipment and maintenance to anyone in trouble and will shortly have a full set of tools in the workshop to help you get your bike roadworthy.

Andy Major (Physics II)



## OPSOC

### High C's

There were two children brought up by Little Buttercup, a Portsmouth bumboat woman. One infant is wealthy, well-connected etc; the other is of more lowly descent. At this point, Little Buttercup gets the pair mixed up (this seems to be obligatory in such cases).

Time goes by. The child of humble descent becomes Captain Corcoran of Her Majesties Ship Pinafore, the other is now Ralph Rackstraw a humble fore-mast hand on board the very same ship. Love now decides to do a spot of burgeoning. Captain Corcoran has a grown-up daughter, Josephine, who loves and is loved by Ralph Rackshaw. Little Buttercup sustains an ill-concealed passion for her erstwhile charge, Captain Corcoran who is prevented from responding, only by his snobbery.

The arrival of the First Lord of the Admiralty, Sir Joseph Porter plus a retinue of sisters, cousins and aunts stirs things up a bit. Sir Joseph wants to marry the Captain's daughter and his plea that love levels all ranks (in case she should feel in awe of him) so affects her that she determines to elope with Ralph Rackstraw after all.

The attempt is eventually foiled by Captain Corcoran, who is so aggrieved by Ralph's temerity in

loving the Captain's daughter, that he uses a rude word. This, if we are to trust the historical verisimilitude of Mr Gilbert's work is a pretty heinous crime. Ralph too is imprisoned by Sir Joseph, and Buttercup selects this epic juncture to reveal the true identities of Ralph and the Captain. Evidently this changes everything—Sir Joseph no longer wants to marry Josephine now she is the daughter of a humble fore-mast hand so she is free to marry Ralph. Ex-Captain Corcoran, released from the toils of his own snobbery, is free to marry Little Buttercup. For the sake of thoroughness Sir Joseph marries Hebe, an obnoxious cousin of his.

Also being performed is "The Zoo" by Sullivan and Rowe—a turgid tale of love thwarted by a stern father. It also contains a peer in the guise of a saxophonist, a lobster in the guise of a Pterodactyl, and some elephant manure in a galvanised bucket.

All this takes place in the Union Concert Hall at 7.30pm from Tuesday 10th February to Saturday 14th February. Tickets are available from Sherfield level 2, the Union building entrance (next to Norman's)—at lunchtimes and also from the Haldane Library, OpSoc members or on the door.



## PARACHUTING

### Out of the blue

Ever thought of joining those fearless daredevils who love to throw themselves out of planes at ridiculous heights! *The next bit wasn't a sentence so we didn't print it.* If so then why not join the ultra safety conscious parachute club and learn hoe to sky dive?

We're holding a first jump course on the 25th and 26th of this month. Two fully qualified parachute instructors will be coming down to College to instruct you how to

parachute. The course is only £65 for your first jump and after that any further jumps will cost you as little as £4 a time.

We are holding a meeting in the Lounge (Beit Quad) on Tuesday 17th at 12.30 to 1.00pm. If you want to join the club and learn how to parachute come along and we'll give you further details. Could you also bring £4 club membership and a £10 deposit for the course so we can estimate the numbers involved.

## SAILING

### High seas

The IC team braved the cold and did battle in a friendly match with a mixed Bristol team. Adam Stork showed considerable potential with aggressive tactics, despite tangling with one of the buoys, but IC were narrowly defeated. In the second race Richard Jarman led the team in a roundabout way but IC's superior boatspeed helped them level the score.

Both teams revelled in the close competition and improved throughout the day. The final race was the closest of the day. Several of the Bristol team were forward at the start but Apostolous Leonhidopolous was in hot pursuit for IC. The positions were

changing constantly, Ape went to the back at one point, but brilliant team work by Richard Brimelow and Sam Page gained a winning 1, 2 combination. Gareth David suffered major gear failure on the last leg, preventing a clean sweep. The final result was open to interpretation (each team claimed to have won) but we owe our thanks to Bristol for organising 't' last weekend of the season.

Team: Sam Page (Capt), Richard Brimelow, Richard Jarman, Adam Stork, Gareth David, Apostolous Leonhidopolous



## FILMSOC

### Going our way?

IC Film Society's next presentation, this Thursday 12th in Physics LT1 (doors 7.30pm) is *The Hitcher* (1986) starring Rutger Haver (*Eureka, Blade Runner*).

C Thomas Howell plays a young guy who must fight for his life when *The Hitcher* (Rutger Haver) tries to frame him for his ugly crimes. Schwarzenegger might make a good macho hero, but Rutger Haver is much more subtle and never more so than in this breathtakingly taut thriller-on-wheels.

The tension in the film is piled on with a fork-lift truck, and the suspense

is almost unbearable. The story line works with the deadly accuracy of knife through butter.

One reviewer described Haver's performance as "brilliant and disturbingly dangerous; enough to leave you with the impression that he is genuinely mad." Enough said?

Next Thursday FilmSoc is showing the highly acclaimed thriller *Jagged Edge*, starring Jeff Bridges and Glen Close.

50p members, £1 non-members, membership available.

Martin Gans



## QTSOC

### Boxing



Following criticism from on high that QTSoc has become Dayist, meetings have now been rescheduled from Tuesdays to Thursdays. This Thursday has been designated a cardboard box meeting, and we need as many members as possible to bring vast numbers of boxes to Southside Upper Lounge at 1pm. After performing the traditional dance of the cardboard box, the boxes will be stripped down and used to construct essential items of equipment, as detailed at the (hush, hush) Extremely Extraordinary Meeting last week.

## SOC SOC

### Dates

There has been a change of date for Tony Benn MP. He is now coming on 23rd February (not 16th as before). We also have former broadcaster Austin Mitchell MP (later this term) and Labour Defence Spokesman Denzil Davies MP.

All are welcome to these meetings. We meet most Tuesdays in the Green Committee Room (top floor Union building) so please come along, if only for a chat, or see Adrian Grainger (Chair), Maths 2.

A Grainger (Chair)



## What's On

### FRIDAY

**Friday Prayers .....12.55pm.**  
Islamic Society, Union Building.  
Halaal food provided.

**Christian Union.....6.00pm.**  
Music Room, 53 Princes Gate.

**Fencing Club .....6.00pm.**  
Beginners and experienced  
fencers welcome.

### SUNDAY

**IC Wargames Meeting .....**  
**1.00pm.**  
Union Dining Hall

### MONDAY

**ICCAG Meeting .....12.35pm.**  
Meeting in Rag Office to  
discuss events of this term.

**Concert Band rehearsal .....**  
**5.45pm.**  
Great Hall. All players this  
week, please.

**Beginners Ballroom .7.00pm.**  
Dancing Club in the JCR. 70  
pence.

**Wellsoc Speaker Meeting .....**  
**7.30pm.**  
Hans Eysenck will be speaking  
on 'What is intelligence' in  
Physics LT1. £1.50  
membership on door.

**Medals Class .....8.00pm.**  
Dancing Club in the JCR. 70  
pence.

### TUESDAY

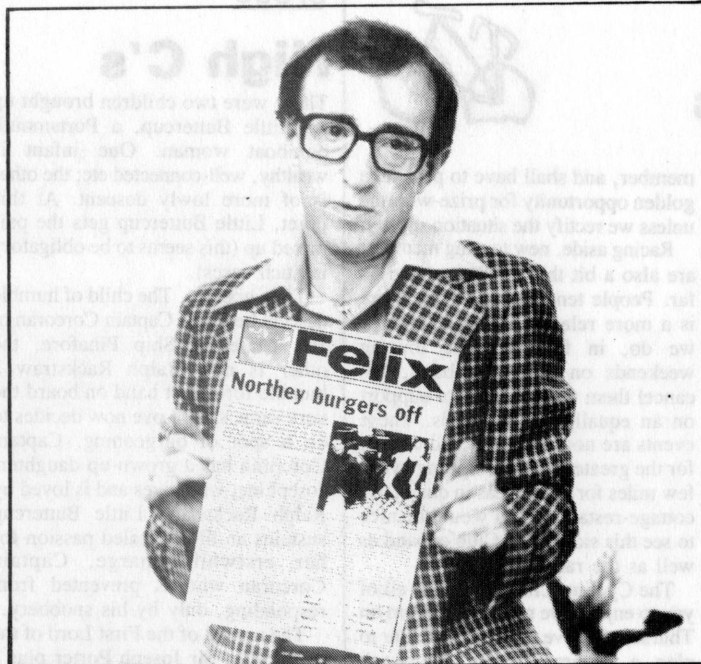
**Prayer Meeting .....8.15am.**  
Christian Union in the Union  
Upper Lounge.

**Mass .....12.40pm.**  
All welcome. Chemistry 231.

**Astrosoc Lecture .....1.00pm.**  
Mr I Franklin (British  
Aerospace) on 'Observing from  
space—space science and  
Earth observation.' Physics  
LT2.

**Optical Computing—science  
or science fiction? ...1.15pm.**  
A lecture by Professor Chris  
Dainty in the Read Theatre,  
Sherfield

**Beginners Rock 'n'  
Roll .....5.45pm.**  
Dance Club in the JCR. 70  
pence.



**Bordeaux Tasting.....6.00pm.**

Union SCR. Claret, if it can be  
arranged. If not, white. Watch  
posters for details.

**Judo.....6.30pm.**  
Union Gym. Beginners  
welcome.

**Intermediate  
Ballroom.....7.00pm.**  
Dance Club in the JCR. 70  
pence.

**Operatic Society .....7.30pm.**  
HMS Pinafore & The Zoo.  
Union Concert Hall. £1.50  
students, £2 non-students.

**Cricket Club .....7.45pm.**  
Spring term nets at Lords  
indoor cricket school. 9-10pm  
every Tuesday. Meet 7.45pm  
Mech Eng foyer. Sign up  
outside the bookshop on the  
lists in the 3rd glass cage.

**Improvers Ballroom .8.00pm.**  
Dance Club in the JCR. 70  
pence.



**Nigel On The  
Wireless .....9.00pm.**  
Aural Titillation on IC Radio.  
999Khz Medium Wave.

### WEDNESDAY

**HamSoc .....12.30pm.**  
Anyone interested is welcome.  
Level 3, Union building.

**Circuit Training.....12.30pm.**  
Beit Gym. Free to Keep Fit  
Club members. £1 membership

**Imperial Workout.....1.00pm.**  
Southside Gym. Please wear  
something comfortable, and  
bring training shoes. £1  
membership, 50p per lesson.

**IC Wargames  
Meeting.....1.00pm.**  
Union Dining Hall.

**Micro Club Meeting..1.30pm**  
Top of West staircase, Union  
Building.

**Ten Pin Bowling.....2.20pm.**  
Chem Eng Foyer. £4.

**Rock 'n' Roll  
Routines.....3.00pm.**  
Dance Club in the U.D.H. 70  
pence.

**Tap Dancing .....5.00pm.**  
Dance Club in the Lounge.  
£1.00.

**Orchestral Rehearsal 7.00pm.**  
Great Hall. Will Tim turn up  
newt again? Turn up to find  
out!

**Operatic Society .....7.30pm.**  
HMS Pinafore & The Zoo.  
Union Concert Hall. £1.50  
students, £2 non-students.

**ICSO rehearsal .....10.00pm.**  
Queen's Arms. ICSO members  
gather after another hard  
rehearsal.

### THURSDAY

**Youth Hostelling  
Club .....12.30pm.**  
Meeting in Southside Upper  
Lounge.

**Fencing Club .....12.30pm.**  
Union Gym. Professional  
coaching for beginners and  
experienced fencers.

**BUNAC .....12.45pm.**  
JCR. Everything you want to  
know about working and  
playing in America.

**AP Tech Soc .....12.45pm.**  
A talk by Intermediate  
Technology Development  
Group in Elec Eng 403a.

**ICSF Library  
Meeting .....1.00pm.**  
Green Committee Room.  
Access to our vast library,  
organisation of future events  
and news from all over the SF  
World. Members only.

**Lunch Hour Concert 1.30pm.**  
Elysian Trio. 53 Princes Gate.

**Imperial Workout.....6.00pm.**  
Southside Gym. Please wear  
something comfortable and  
bring running shoes. £1  
membership, 50p per lesson.

**Judo.....6.30pm.**  
Union Gym. Beginners  
welcome.

**The Hitcher(18) .....7.30pm.**  
IC FilmSoc presents the  
thriller. Physics LT1. 50p  
members, £1 non-members.

**Operatic Society .....7.30pm.**  
HMS Pinafore & The Zoo.  
Union Concert Hall. £2  
students, £2.50 non-students.

**Lesbian/Gay Society 7.30pm.**  
ULU building, Malet St.  
Women's group meets in room  
2e, men's group in room 3b.  
Different speakers/events each  
week, followed by a trip to the  
pub!

**ICCAG Soup Run.....9.15pm.**  
Weeks Hall basement. Ring  
basement—normally back by  
11.30pm.





## FELIX



## Small Ads

## ANNOUNCEMENTS

- **Flat 134** Hamlet Gdns' Party, Feb 7th, has been cancelled due to threat of eviction. Sorry, love Katie.
- **Vomit-Along-A-Steve and Jon** IC Radio every Tuesday lunchtime. 12-2 999 KHz.
- **ULU Sri-Lankan Society** a meeting and election of a committee for the formation of a ULU Sri-Lankan Society will take place on Friday 13th February at 7pm in Room 3B ULU Building, Malet Street, London WC1E 7HY. Open to all ULU members.
- **COMPETITION!** IC Rag needs a 1988 logo—can you think of one? (because we can't). Win a fabulous prize...Put ideas in the Rag pigeon hole in the Union Office or give to any Rag Committee member.
- **The Royal College of Science** Soccer sixes will be held at Harlington Sports Centre on Sunday 1st March 1987. Coaches will be provided for a small fee per team. To enter please ring Paul Savage on int. 4641, Chemistry 635. Prizes awarded etc.
- **ULU Sri Lankan Society**—All those interested in joining or holding a committee post should attend elections on Friday 13th Feb. at U of L Union at 7.30pm.
- **International Week** coming soon. Watch out!

## ACCOMMODATION

- **Single Room** in flat in Putney £35 per week plus bills. Contact Matthew M. Norris 01-789 7391

## LOST AND FOUND

- **Miss Slack and Mr Duffy** you left something after the 19B party (ring 01-603 8388)
- **Lost:** One book on Charlie Chaplin. Went missing when bag was left in JCR. Please return to Bill Goodwin c/o FELIX—no questions asked.
- **Lost:** Thursday 29th after Southside gig. Two identical blue travel bags, one containing guitar leads, the other containing my term's notes. Please contact N Z Adal (Life Sci III)

## WANTED

- **ATARI ST** I would like to contact any ATARI ST owners for software and tips exchange. Ring Xavier on int. 6002
- **Budding Hockey Players** (any standard) for matches/piss-ups on Saturdays until Easter. Contact R Ellis (Maths III) or see hockey notice board.



- **Helpers** required for Hyde Park Relay. Free T-shirt and tea provided. Turn up from 9am, Saturday 14th Feb. Contact G Waterson, Physics PG, int. 6987

## FOR SALE

- **Amplifier** JVC, JA-SIIG, four channel, £55. Original price £90. Contact Cheh Goh, PG. EE. Rm 1105 int. 5242

## PERSONAL

- **Probably** the best reds (or whites) in the world.. Trampled by frogs, t... by you on Tuesday 10th Feb. at 6pm Union SCR.
- **Not now Anna.**

- **When you talk to God** it's called praying. When God talks to you it's called schizophrenia.

- **Is it true** that a certain long-haired Jesus freak likes Madonna, uses styling mousse and possesses a super-woofer? Yes.

- **Party bookings** Mike the ventriloquist & Penny the....

- **Q:** Who are those two masked men?  
**A:** Jon & Steve on IC Radio, Tuesday lunchtime 12-2

- **Alex.....errrr....**

- **Ever wondered** what all those funny small ads in the back of Time Out are about? Read your wacky, romantic FELIX next week.

- **Sensitive, tolerant,** sabbatical male mid-20s. Interested travel, antiques, long walks, wishes to meet shy humorous caring non-smoking female for bondage, discipline etc. No cranks please. Box 321

- **Feb 14th** is Valentine's Day! Do you want to join in the exchange of wacky romantic greetings? Try ValentineLine!

- **ValentineLine** guarantees you a Valentine on Feb. 14th! You send us a Valentine card, we randomly scramble them and send you in return a genuine anonymous message from another lonely heart. Apply FELIX Box 123 (opposite sex guaranteed).

- **Wanted:** Real man, all parts in working order. Must be strong and intelligent, dumb macho types need not apply. Box 222.

- **Wanted:** Real woman prepared to buy own dinner. Must be cuddly and intelligent, silent sex bombs need not apply. Box 121.

- **Anti-Vegetarian** protest and march from JCR to Normans, Thursday 1.30pm. Meet outside QTs (bring your own bacon sandwiches).

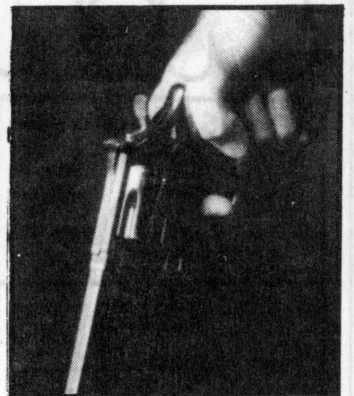
- **Amnesia International:** We care about things. Deeply. Vaguely. Many things are not very nice. We want to help or whatever or something. IC Group meet somewhere in the Union building Tuesday 6.30pm (or is it Thursday 1.30pm?)

- **Fed up** with blind dates with tubby Liverpoolians, IC men getting you down? Try the Heartline Failsafe Dating Service. Write FELIX Box 999 for confidential details.

- **Wanted:** Latex body stocking for man with an ugly body. Good prices paid due to desperate need to restore sex appeal. Apply 52 Clonmel Road.

- **MethSoc:** Become A Bourne again Christian. Contact A Bourne Physics I

- **Calling all Danes,** join DaneSoc (free Carlsberg). Contact Gaard Jensen, Physics I.



- **Do you feel** that life is just a vague feeling going around you? Do you feel your environment is constructed to offset your natural style? Do you harbour ambitions of being an Avante Garde composer? Then come and join AmbientSoc

- **Bored** with endless political bickering? Sick of student debate and interminable boring letters? Join We-couldn't-give-a-damn-whether-we're-in-NUS-or-not-Soc. •

- **Ugly CCU hacks** desperate for a date? Need a dinner partner? The Anne Driver Agency can save you from social embarrassment. Details from the Guilds Office.

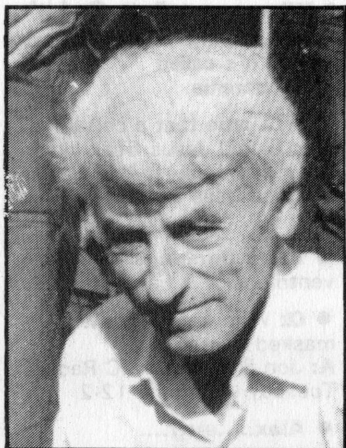


## Ash on Chernobyl

The Rector, Professor Ash, spoke about his views on the risks associated with the nuclear industry at a packed lecture during Tuesday lunchtime. Speaking in the Read Lecture Theatre he gave a talk entitled "The Perception of Risk—A Post-Chernobyl View" as part of the regular lunchtime programme organised by the Humanities Department.

Professor Ash started by discussing the Chernobyl incident itself and the problems of drawing meaningful conclusions from estimates of the death toll. He stressed the incompatibility of projected long term fatality figures with statistics such as deaths from travel accidents. He also commented on the difference between deaths from health hazards such as smoking and those from Chernobyl, in the case of smoking there was, he said, an element of personal choice. The Rector gave credit to Professor ApSimon of the Nuclear Technology section for assistance in preparing his information.

Professor Ash then went on to outline scenarios in which future energy crises could lead to large scale catastrophe. In particular he



expressed a fear that the continued dependence of the West upon oil could embroil it in a disastrous escalation of Middle Eastern conflict. He then discussed media and emotional reaction to varying scales of disaster.

Discussing the potential for future energy sources Professor Ash argued that nuclear fission was an important option and said he believed it could be made safe. Speaking about fusion research the Rector said he couldn't foresee any practical developments until late in the next century. In answer to a question he lamented the low level of spending on alternative energy research and said he believed there were several very promising ideas at an early stage, citing photosynthesis processes being developed at Imperial as a possible 'dark horse.'

### Imperial College Women's Club

To all WOMEN Staff, Academic Visitors, Research Assistants, Post-graduate Students, and Wives of their male colleagues

Would you like to see an improvement in the facilities for women at Imperial College? Then we need your help and you can gain from the friendship and social activities of the Women's Club.

Contact Mrs Glenys Pashley on 788-4800, or send to her for further information c/o Department of Materials.

## Alarm calls in Southside

Students in Southside were awoken by the faulty alarm system at 11.30pm on Sunday. The alarms rang intermittently for twenty minutes, until College Security turned the system off.

Water leaks are believed to be the original cause of the malfunction. The transistors in the display panel were also found to be completely burnt out. This would have made it impossible to locate a real fire. The panel was repaired on Monday afternoon.

Recurrent false alarms in Southside have resulted in generalised indifference which may prove dangerous in the event of a real fire, a Southside Sub-warden said.

## South African cancels at LSE

Dr Denis Worrel, ex-South African Ambassador, cancelled his proposed appearance at LSE on Monday 2nd February. The reason for his cancellation is connected with his resignation from the position of Ambassador—he will be running as an 'Independent' in the forthcoming whites-only elections and as such can hardly speak as a representative of the Pretoria Government.

The debate, organised by LSE Students Union "Open Debate Forum" Society, was due to be picketed by the Union, which also proposed to disassociate the Debating Club from the Union, and organise an alternative meeting at the same time.

The President of the "Open Debate Forum" fully intends to invite Dr Worrel to speak on a future occasion.

## JCR plans delayed

The future of the JCR may not be resolved for some time, following the meeting of Union officers with College administration on Thursday of last week. After three and a half days of a successful boycott of the QT Burger Bar, College have asked IC Union to come up with specific proposals for the JCR. At today's meeting of Finance and Executive, one of the most powerful College Committees, ICU Exec will be proposing a long-term plan to build a new JCR, together with a sports hall. The Union's response to the immediate problem of the JCR will not be decided until Tuesday's Union General Meeting.

College Deputy Secretary Brian Lloyd Davies told FELIX that the contractors would be continuing with conversion work on the JCR until March 15th. Over Easter they would begin a general refurbishment of Southside refectory.

## Evelyn War

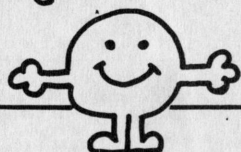
The College has put forward its bid for the purchase of new accommodation in Evelyn Gardens. The residences consist of a unit of ten houses, providing accommodation for at least 200 students. If the bid is accepted, the College should be ready to meet the planned increase in student numbers in October.

The value of Imperial's bid is estimated at three to five million pounds, but the College has refused to give further details as this may prejudice their chances against other bidders.

# MR MEN

## No1 Mr Ripped-off-idea.

This is Mr Very-Easy-to-Draw,



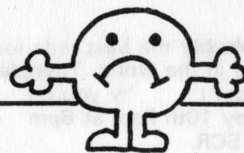
He's going to College in Mr Land

You can tell Mr Easy-to-Draw is a Student



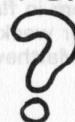
He thinks he's just SO wacky!

Isn't it funny that there are no Mr Women



in Mr Land ?

What bigoted, patronising stereotypes do you think we'll meet next



By Mark