



Felix

THE NEWSLETTER OF IMPERIAL COLLEGE UNION

NUS protest over loans

On Wednesday the National Union of Students (NUS) organised a national day of action to protest against the Government's proposed student loans. In London the action included a picket outside the Department of Education and Science that led to several arrests and pickets of all the major NUS London colleges. This was due to include the total occupation of the London School of Economics by students

The culmination of the London NUS action was a mass demonstration organised against central London branches of the major banks who will be financing loans. Some 500 students queued up en-mass, disrupting the flow of normal business, to hand in prepared letters. The letters, produced by the NUS, outlined the major effects that the introduction of loans would have on students and urged the banks not to do the Government's 'dirty work' for them.



Doug King

The NUS estimate that the introduction of loans coupled with the freezing of grants and the loss of benefits, including Housing Benefit and Income Support, will mean that the average student will

be £500 worse off each year. This year's first years are expected to be facing loans of about £300 in their final year.

The action comes in the wake of several motions to the University of

London Union at the last General Union Council (GUC). The motions called for days of action over the Government's proposals on student loans, and its survey on affiliation to the NUS.

Staff member 'squatting' in student flat

An administrative mistake has allowed a member of the College's research staff to remain unnoticed in student accommodation for three years. As a sitting tenant, Biotechnology Research Assistant, Carlos Flores is now refusing to vacate his College Head Tenancy Flat in Gerrard Mansions, after taking legal advice.

Mr Flores signed a one year contract for the flat in 1986. He claims that, after his contract expired, he remained in residence whilst the College continued to bill him for rent. This, Mr Flores claims, constituted an extension of the tenancy agreement, allowing him to claim sitting tenant rights when the College asked him to leave earlier

this year.

College Accommodation Officer Loretto O'Callaghan told FELIX that she 'smelt a rat' when she started her job last year, and wrote to Mr Flores requesting him to leave his flat. She claimed it was ridiculous for Mr Flores to claim that her request was illegal and added 'He's behaving very badly.' Ms O'Callaghan admits that the College would now require a court order to evict Mr Flores, who she describes as 'a squatter.' The court costs would not, however be financially viable. Senior Assistant Finance Officer, Malcolm Aldridge, told FELIX that such a court case, would only be a 'Pyrrhic victory.'

The Head Tenancy flats in

Gerrard St, Soho are unfurnished and require students to supply floor coverings, and furniture. Mr Flores claims that he has decorated and furnished his flat and feels that one year contracts in such properties are unfair. Ms O'Callaghan countered that one year contracts are used to prevent tenants gaining sitting tenants' rights.

The College now intends to continue billing Mr Flores with a 'Mesne rent. Such a rent is set for bills alone and does not recognise the payer as having any legal rights of tenancy. Ms O'Callaghan summed up by saying 'He's not wanted here because he's squatting.'

Chemistry Explosion 'blown-up'

A Chemistry student was injured on Wednesday when a glass flask exploded in his face. Fellow students contacted the emergency services, who, in a move described and 'wisely cautious' by College Security Chief Geoff Reeves, called the police, ambulance service and several fire engines. The student, who was fully conscious throughout, was reported as being 'embarrassed' by the incident.

Caterpillar Café

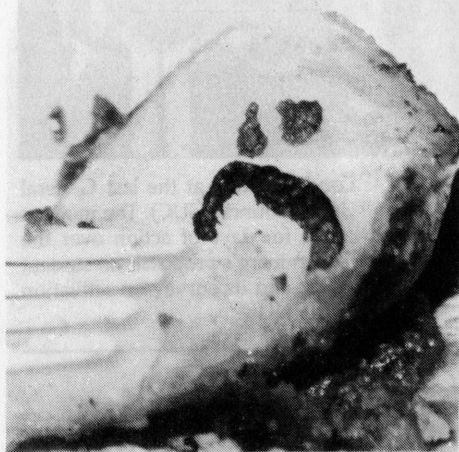
Dear Bill,

I am writing to voice my concern over the attitude of a certain sabbatical officer towards the students who work their asses off for FELIX. After I'd photographed a caterpillar found in a Snack Bar chilli on Thursday, Nigel Baker started throwing around accusations of creative journalism. Then, on Friday afternoon, whilst in the Union Office, I was accused, in front of several people, including two CCU Presidents, of faking the photograph with the sole aim of slugging off the Snack Bar. I consider this to be a very serious slur on my integrity as a photographer. I would like to point out here that I take photos to report facts and treat FELIX photography with the same degree of professionalism as I do any other job, paid or otherwise. To quote Nigel in his letter in FELIX (11 Nov) 'I hope that he has the strength of character to admit that he was wrong and print an apology' perhaps through this column.

Yours,

Doug King.

PS. In the belief that a picture is worth a thousand words here is the 'fake' photo for you to judge for yourselves.



Diplomacy

Dear Bill,

With regard to last week's editorial, perhaps I should elaborate on the item concerning the Alternative Prospectus. I feel that you have been unfair to the Mathematics Department in only presenting one side of the story and also in printing a major inaccuracy.

It was certainly hinted by the Maths Department that their entry in the PA was penned by me—they said as much in a letter written to Martyn Peck, the AP Editor. Through the knowledge of my involvement with FELIX and the credit on the front cover, this was an obvious assumption to make—it just so happened to be wrong.

The letter to Martyn Peck was discussed at the following Publications Board meeting. This resulted in a letter from Sydney Harbour-Bridge, Union President and Chris Martin, Pub Board Chairman to the department pointing out their error.

A few days later, a third letter appeared. This was from Dr Berkshire, Director of Undergraduate Studies, to myself, clearing me of writing the article and apologising for any trouble caused. As far as I was concerned, this was the end of the matter.

The inaccuracy in the editorial is in the penultimate paragraph. It is certainly not the case that the department refused to let me re-sit some of my exams. They have agreed to let me repeat all of them. Any indication given otherwise is false and should be rectified.

Yours faithfully,

Paul Shanley, Sherfield Building.

Lethal Letter

Dear William,

I hope your readers realise that the be-cloaked creature with the scythe is an imposter. I've worked hard to get this job, and I'm not going to be upstaged by some mortal in a second-hand shroud. Poeples think grim-reaping is an easy job; it's not—always on call, every second of every day of every millenium, spending much of your life in squalor. I've asked for help, but they just won't listen. I'm chronically over-worked and I don't think the imposter realises this.

Be seeing you all—sooner or later.

The Grim Reaper.

PS. Bill—Him downstairs says you're overdue on the payment for your election victory.

Sycophant

Dear Bill (and bods),

Thank you, thank you, thank you for making FELIX such jolly frolicking fun—I can't tell you how wonderful life is with this year's edition. The FELIX staff make me swoon when they appear from that cosy corner in Beit Quad. It is quite amazing to think that those wonderful bodies can produce an equally wonderful newspaper. I can barely bare to be separated from my weekly copy—I flick through it in lectures and frolick with it at night. It looks so tempting (like the Editor).

Please keep writing those raunchy, rivetting news stories, those softly soporific travel pages, those cleverly clueless reviews, those subtly senseless Union pages and last but in no way least, those awesome and orgasmic opinion pages. I do so love reading about Islam in the bath. Unfortunately I have now started taking showers instead. What a pity.

You are all wonderful. The newspaper is wonderful. Life is wonderful.

I love you Bill. I love you all.

Yours ecstatically,

A student on cloud '2 zillion'.

Name withheld for humanitarian reasons.

Naughty Nigel in Sex Romp Shocker

Dear Bill,

Thank you for the apology printed in last week's FELIX (Issue 817). Unfortunately in the same editorial you have made another factual error. Under the heading UGMs you point out, quite rightly, that it is impossible to have sensible debates when motions are only received at the meeting. I am therefore thankful that you have decided to print motions in the FELIX before the UGM. This should enable a more thoughtful debate without people speaking for the sake of it or saying the first thing that comes into their head.

Also under the heading, UGMs, in your editorial last week you go on to explain how the Union Officers who submitted the 'New Election' motion used the above situation to prohibit part-time students from standing. Anyone who was at the UGM will know that I proposed the motion and it was seconded by Ian Morris, the ICU Hon Sec (Events), and so I must point out that again you were wrong in your deductions. When I spoke to you, you explained that by wording my motion such that all candidates must be 'Full Members' of the Union I was changing the rules, on who was eligible to stand, without informing the meeting. However, what you didn't realise was that the clause stating that candidates had to be full members of the Union was in the original by-laws and was not added by me at all. The fact that the original by-laws were printed next to the motion is totally irrelevant I suppose!

I trust you will again print an apology.

Nigel D Baker,

ICU President.

Sorry.

Bags

Dear Bill,

Why is it that College Library carrier bags sold in the library at 10p each but are 12p each in the bookshop? This may seem a trivial point but is I believe the tip of the iceberg in terms of the bookshop's excessive pricing policy. Two further examples are *Ecology* by Begon Harper and Townsend at £18.75 in the College Bookshop but only £15.75 in Foyles, and A4 copy safe pockets are 35p each in the College Bookshop yet 4p each bought in bulk.

Why is it that student outlets in College such as the Bookshop and the student Snack Bar seem intent on 'ripping off students' when surely their duty is to provide a competitively priced service for students?

Dave Thomas,

Applied Biology 4.

Editorial

Womens Officer. Gill Knowles has taken up the post of Womens officer this year. She is a fourth year student and can be contacted through the pigeon holes in the foyer of the Mechanical Engineering Department.

A.P Paul Shanley has written to FELIX regarding his involvement with the Alternative Prospectus Supplement. Whilst I can appreciate his unwillingness to offend the Mathematics Department I feel there is some need for clarification.

As far as I understand the situation, after his alleged involvement in the AP supplement, Mr Shanley was refused his right to examination re-sits. It was later, when Mr Shanley threatened to appeal against the decision, that the department backed down.

Alcohol Awareness I am pleased to see the Union taking an active interest in students' welfare.

The first Welfare Campaign, which begins on Nov 28th is designed to increase students awareness of alcohol and its effects.

It is a subject which is particularly appropriate to a College such as Imperial.

It is understandable, with the high work load prevalent in many of the courses at Imperial, and the imbalanced ratio of the sexes, that some students rely on alcohol as a prop to see them through rough patches. I fell into that trap myself as a second year student.

Unfortunately Imperial's fondness for alcohol does not stem from a lack of awareness; I think that most students are intelligent enough to realise the financial and physical costs.

The phenomenon is engrained into Imperial's social structure - the omnipresent bar nights, bar quizzes, the Beer Festival, Drink a Pub Dry, penalty pints, tie clubs et cetera. Even FELIX is guilty of plying its collators with alcohol.

Sometimes there seems to be bugger all else to do but to join ones cronies in the bar.

Soft Drinks The College and Union bars have, for a long time, adopted the policy that soft drinks should subsidise alcoholic drinks.

It is encouraging to learn that low alcohol drinks will be on special offer in the Union Bar during the awareness campaign. It would be nice, however, if this promotion were to last longer than seven days.

Last year a motion was brought to a UGM calling for the prices of soft drinks in the Union Bar to be reduced. It pointed out that the Union had just joined a central purchasing scheme which would greatly reduce the purchase price of its beer and that the mark up on soft drinks was therefore no longer necessary.

The motion was never discussed because members of the Union Bar Committee successfully challenged quorum. The excuse given by the Union Honary Secretary of the day was that it would take a year for the benefits of the central purchasing scheme to be seen.

That year has now passed and the Union once again has the opportunity to take the lead over the College by rethinking its pricing policy on soft drinks.

It will be interesting to see whether the Union is prepared to 'put his money where its mouth is.'

FELIX Dinner. The FELIX Dinner is arguably the most prestigious FELIX event in the yearly calender. The dinner is open for anyone to attend, particularly those who have worked on FELIX, and will be held in 170 Queensgate (the Rector's place) on December 9th. David Johnson, the Features Editor of the Daily Telegraph will hopefully be attending as the guest speaker. Also present will be a cornucopia of ancient FELIX hacks, many of whom are now full-time journalists and some of whom have proper jobs. Anyone interested in attending the Dinner should call in the FELIX Office for details.

Credits. Thanks to the staff for putting up with me this week and particular thanks to Dave Smedley, Doug King, Steve Meyfroidt, Liz Warren, Nik Jones, Sez Wilkinson, Ramin Nakisa, Andy Clarke, Summit Guha, Rose Atkins, Dean Vaughan, Andy Waller, David Thomas, Rupert Clayton, Adam Harrington, Robin Davison, Andy Banister, Mike Dalton, Spencer Lane (Beatles), John Hassard, Darren Austin, Noel Curry, John Briggs, Martin Cole, and anyone I have forgotten. Thanks for collating last week to Julia Kolbusz, Mike Williams, Neil Motteram, Mike Morden, Simon Bradshaw, Ruth Cunliffe, Mel Chen, Tammy Bush, Otto, and Julian Moore. Appologies for our Smoking concert sketch. Staff meeting today 1pm.

On the Union Rat who sickn'd in the time of his vagrancy being evited from Fulham.

*Here lies poor Norman, Death hath broke his girt,
And here alas, hath laid him in the dirt.
Poor Norman found, like all of us, he couldn't pay the rent,
Despite the Massive top-up loan his money was soon spent.*

*With tear on cheek he packed some cheese into his little sack,
And moved into the office of a friendly IC hack,
whose name was Wendy Morris. Norman loved him dear.
But of the two, it's rumoured, the Rat could drink more beer.*

*Two blissful months the rodent spent as quadrapedal hack,
Until he supped at the Union Bar—supped and never came back,
Inside his baked potato dwelt a many-legged worm
Packed bursting full of toxins which ended Norman's term.*

*If you're in peril at IC, just look around and soon you'll see
An ectoplasmic rat appear to comfort and to seccour thee,
But be warned: if you try to hassle his friends,
Norman makes house-calls to seek his revenge.*

A message from the other side

Dear Bill,

Hello! I thought I'd just drop you a note from Heaven. Wish you were here—the weather's lovely and the food's even better. We exported all the third rate manna to Moses and his gang to tide them over in the desert, but now it looks as if the Union Food Bar needs some help too.

While I was still an earthly rat hanging out at the hack bar, my attention was drawn to an excited group of foreign students. They were pointing at an object in their chilli not dissimilar to a rat turd (not one of mine!) and asking if it was part of the staple IC diet. Close inspection with a 400mm camera revealed that the turd was in fact a caterpillar, a photograph of which can be seen displayed on Union President Nigel Baker's door. Nigel thought the photograph had been doctored, but as any sensible rat knows, caterpillar season ends in September. Poor old Nigel.

Being an ex-rat has its advantages such as access to any room in College. Deputy President Chas Brereton, it seems, lives in a filofax. His unused examination paper is filed under 'unused examination paper' and his passport is filed under 'passport'. He sleeps filed under 'bed' but oddly enough there is no 'Interesting Things I Do' file. Norman the ex-Union rat wishes him well in the City.

Recently I visited Chas in his office, not choosing to be seen. He was busy sharpening pencils and stapling bits of paper together when Malcolm Aldridge burst into his office.

'Here, Chas, sign this!', he said nervously, covering the small print with his hand.

'I'm too busy sharpening pencils and stapling bits of paper together,' said Chas, interestingly.

Having lost the element of surprise Malcolm returned to his office where he deleted the 'Selling All Union Members Into Slavery' clause, before persuading one of the other sabbaticals to sign the agreement.

One human I can really relate to is Rob Northey, since some of my relatives also tried to leave a sinking ship. Rob, never to be outdone, turned this cliché on its head and actually tried to board a sinking ship! Due to his love/hate (emphasis on the latter) relationship with the Rector's wife, Northey applied to RHBNC. Then someone told him it was going to merge with IC. You can run, Rob, but you can't hide.

Well, it's almost time for my massage. Some people seem to think that an eternity in paradise would be boring. I assure you that it is not, especially with zany folks like Sydney Harbour-Bridge (brain changed in aid of Comic Relief) to keep us amused. Here is Sydney's latest whacky idea.

'Let's build a brand new print unit above the FELIX Office.'

Yes, Sydney, but let's not forget that the floor would collapse under the weight leaving the unit in the FELIX Office.

I look forward to seeing you all up here in about sixty years.

Lots of love,

Norman (the ex-Union Rat).

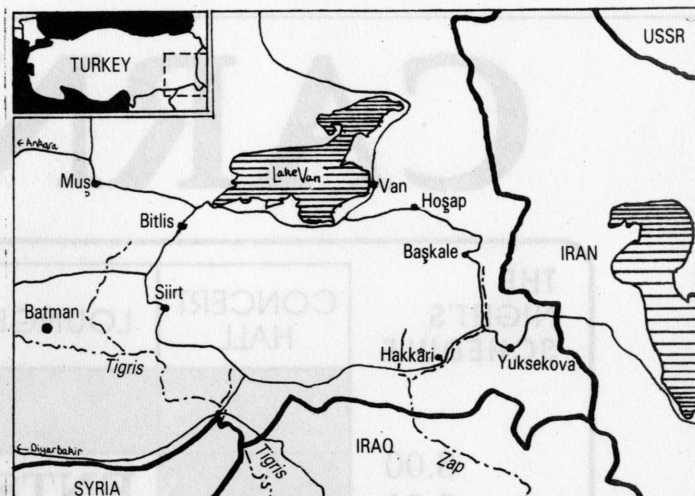
northern areas of Syria and Iraq, western Iran and a small area of the USSR. Estimates of their numbers vary according to which source you take but sixteen million would not be far wrong—seven to eight million of whom live in Turkey. None of their host countries have any sympathy for the cause of the Kurdish nationalism although all but the USSR have at some time supported one or other of the Kurdish groups. Their cause is not helped by their lack of unity—there are six main Kurdish nationalist groups (two each in Iran, Iraq and Turkey); they speak many different dialects, all mutually unintelligible and use three different scripts; Latin, Arabic and Cyrillic. Historically the Kurds have always been nomads and as successive invaders moved through the area they simply moved further up the mountains to more remote areas.

It is tempting to only see one side of the story and regard them as a peaceful nomadic race who have been persecuted by bullying Turks. During the First World War however, in Van and the surrounding regions over one and a half million Armenians were slaughtered in cold blood, predominantly by Kurds. Since 1984

around 600 people have been killed in skirmishes between the PKK (Kurdish Workers Party) and the Turkish armed forces. This, Turkey's unfriendly neighbours and a right-wing government, have conspired to give Turkey the second largest army in NATO (after the USA).

You may have guessed from the preceding paragraphs that my companion for tea was a member of the PKK. Once he could trust me, he regaled me with his experiences.

He had been in the prison in Diyar bakir for four and a half years—Kurdish guerrillas have spent some time in this infamous gaol. He claimed to have been on four hunger strikes (the longest being 60 days) and to have seen five of his friends die in this way. Another three were killed by prison guards. My credibility became a little stretched when he assured me that Turkey had 18 million Kurds out of a total of 40 million. When I attempted to probe more deeply, his English suddenly became non-existent. After some time he asked me if I would like to see a Kurdish village only 40km away. I considered the facts for a few moments. I was an easily identifiable foreign tourist with no



passport. It would have been illegal without prior authorisation from the Wali (governor). The Turkish Army are reputed to have a 'shoot first, question later' attitude in the area. I didn't find the decision very hard.

Instead he invited me to his shop for 'Kurdish tea' and 'Kurdish tobacco'. I was very sceptical about his adjectives as tea only grows on the Black Sea coast in Turkey. As for the tobacco I didn't know what to expect as at one time there was a considerable drug smuggling trade through the local mountains from

Iran and Afghanistan. Both tea and tobacco proved to be the standard Turkish article although ground to a fine dust and after an hour or so of leisurely banter I left clutching a pair of genuine Kurdish socks.

After a delicious meal and far too much raki I had little trouble sleeping. In the morning my journey back to Van was eased by travelling with around 20 conscript soldiers who were obviously very relieved to be going home on leave. I picked up my passport in Van and headed off west.



Agrochemicals

To those graduating in 1989 or 1990 in the Biological or related sciences

ICI Agrochemicals has a number of vacancies for those with the scientific skills and the potential to succeed in a world-class commercial environment.

* On our Techno-Commercial Programme, successful applicants will spend an initial period in research and development prior to transferring into a commercial department which will lead to an international business career.

* On our UK Sales Training Programme, successful applicants will start their business career in UK Agrochemical sales.

* On our Technical Programme, successful applicants will progress through one of our technical career paths including, in some cases, career development through commercial positions.

For further details please contact your University Careers Advisory Service.

There will be a presentation for 1989 and 1990 graduates, and any interested postgraduates, on Thursday 24th November, 1988 at the Forum Hotel, 97 Cromwell Road, London SW7 at 6.30pm. Refreshments will be available.

Applications should be received by Wednesday 11th January, 1989. Preliminary interviews will be held at the Gloucester Hotel, Harrington Gardens, London SW7 on Wednesday 25th January 1989.

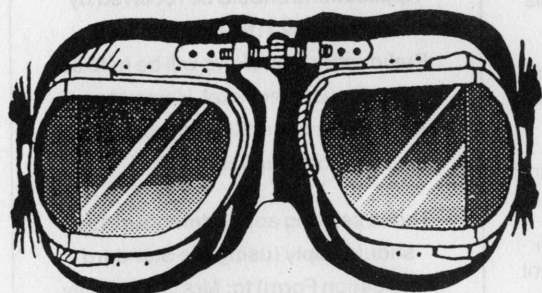
Those seeking appointments in 1989 should apply (using the Standard Application Form) to: Mrs S. Hennelly, ICI Agrochemicals, Fernhurst, Haslemere, Surrey GU27 3JE.

CARNIVAL

THE NIGHT'S SCHEDULE	CONCERT HALL	LOUNGE	U.D.H.	S.C.R.	Plus... Burgers Cocktails	Bar Extension til 3
8.00		ENTS D I S C O	Snow White	Cartoons		
8.30						
9.00	Bad Influence					
9.30						
10.00			Sleeper			
10.30	D.R.N.			SPLASH		
11.00			Snow White	Cartoons		
11.30						
12.00			Sleeper	Running Scared		
12.30						
1.00						
1.30						
2.00						
2.30						
3.00						
3.30	TIME TO GO HOME AND SLEEP!!!					

Tickets £3.50 in advance - £4.00 on the door

DRN



DUMPY'S RUSTY NUTS

— APPEARING —

Tonight

One of the highlights of Rag Week has to be the Carnival, when the whole of the Union Building is taken over for an enormous party. Two bands have been booked—*Dumpy's Rusty Nuts* supported by *Bad Influence*. *Dumpy's Rusty Nuts* were formed in 1981, regularly headline at the *Marquee Club* and have supported *Hawkwind*, the *Blues Band*, *Venom* and *Motorhead*—playing at the *Hammersmith Odeon* 4 times. The band's music is a cross between R+B and Heavy Metal, with a slight touch of ZZ Top-ness. *Dumpy* has a great sense of humour which guarantees that his performances are fun, and he has a dedicated following throughout the

country.

As well as the bands we'll also be showing a couple of films (*Snow White* for all those Walt Disney fanatics and *Barbarella*—a raunchy 60's comedy), and there will be videos all night including *Splash* and *Running Scared*. There's a bar extension until 2am, the *Ents Disco* will be playing until 3 and of course cocktails (thanks to *Links*) and Burgers from the *Motor Club*. How much is it all going to cost?? Just £3.50 in advance or £4 on the door tonight. Tickets are available from the *Guilds office*, *ICU*, the *Rag Committee* or on the door.....don't miss it!!

The Beatles FELIX catches up with the latest pop sensation

It would be hard to call the Beatles anything but the greatest rock band the world has and will ever see. Love them, hate them, there is no doubt that the talent of the group was immense. And yet, their history is more colourful than your average teeny-bopper fad today.

The group were formed in 1959, with a five man line up; John Lennon, Paul McCartney, George Harrison, Stuart Sutcliffe (bass) and Pete Best (drums), under the name 'Johnny and the Quarrymen'. This name was changed to the 'Silver Beatles' (inspired by Buddy Holly's Crickets) and finally shortened to 'The Beatles'. The band first started playing gigs in seedy night clubs in Hamburg, Germany. However, the band, with the exception of Sutcliffe, wanted to come back to England and were signed up by Brian Epstein as their manager. Epstein tried to get them signed up with a major record company, but astonishingly found complete apathy (one company, Decca, rejected them in favour of Brian Poole and the Tremeloes). However, one minor company Partophone, headed by George Martin, agreed to sign them up on the condition that the drummer, Best, was replaced. Reluctantly, they agreed to this, and Harrison recruited a friend, Ringo Starr.

The group's first single, *Love Me Do*, was released in October 1962, did moderately well, the follow-up *Please Please Me*, was an enormous success along with the similarly titled debut album. Beatle-mania had arrived.

From this point to their break-up in 1970 all kinds of feats were achieved, too numerous to mention here. Their highpoint was in 1964, when the Beatles were occupying the top five positions of the US singles chart along with another seven records in the US top one hundred. Even the top two US albums were by the Beatles!

This success opened the floodgates for British groups to the US market, especially Liverpoolian

groups like Gerry and the Pacemakers, which all played the 'Merseybeat'. Even the Rolling Stones would attribute their break into stardom to Lennon and McCartney, with the successful cover version of the song *I Wanna Be Your Man*.

For the eight years of the band's existence, the style of music went through some dramatic changes. This is best seen in their album releases. Their first four albums; *Please Please Me*, *With the Beatles*, *A Hard Day's Night*, *Beatles for Sale* showed the large influence from stars like Chuck Berry, Everley Brothers and Carl Perkins. Album three and five (*Help*) were soundtracks to the first two films that the group made. However, by number six, *Rubber Soul*, they had mellowed into a more original and distinctive approach without becoming commercialised. Now came a distinctive change in style as album number seven showed,



Revolver was the beginning of the group's psychedelic phase. This was attributed to the group's retirement from touring, hence more studio work and experimentation. With this increased leisure time, they turned to drugs, especially hallucinogenic LSD and were also fascinated by Indian culture. After seven months in the studio, the finest concept album of all time was released in June 1967 *Sergeant Pepper's Lonely Hearts Club Band*. This masterpiece was marred, however, by the early death of their manager, Brian Epstein. From here, the future of the Beatles looked bleak. Indeed their TV movie *Magical Mystery Tour* was severely criticised by the press. Also, Lennon and McCartney were now fighting bitterly, and even dragged Harris and Starr into the battle.

Despite the setbacks, the final two years saw legendary material being produced; the film *Yellow Submarine*,

which was based on characters in previous Beatle songs; *The White Album*; and the immortal song, *Hey Jude*, an anthem to Lennon's son, Julian.

1969 was the final year of official activities. The film *Let it Be* was started, but soon abandoned when each Beatle didn't want to work with the other. Their final classic album, *Abbey Road*, showed the world that it was all over. Paul McCartney told the world that he was leaving, on Friday 10 April 1970. McCartney was known for his dislike of Lennon's wife, Yoko Ono. He had also disagreed with the appointment of new manager, Alan Klein. McCartney officially made sure the Beatles were dead on January 19 1971, when rumours of a possible replacement for him were circulated and Klein, with producer Phil Spector, finished and compiled the film *Let it Be*, so he was granted a 'statement of motion'.

Since then, the 'ex-Beatles' have

all undertaken solo projects, though not without controversy. Ringo Starr has had the lowest profile of all with a few cover versions of songs, but a string of disastrous movies, though one *That'll Be The Day* did stand out. The other three all enjoyed enormous success with at least one two million selling 45" single each. Without doubt, the saddest aspect of the breakup will be the knowledge that Lennon and McCartney never settled their dispute and never will be able to.

IC Radio presents a one hour show of Beatles and Beatles-related material every Tuesday lunchtime at 1pm. In addition, there is now a survey to find out IC students' favourite three Beatles tracks, film, album and member of the band. Your top three singles will go to make a top twenty to be played at the end of the Christmas term. Watch out for your surveyor!

Epilogue

Picture your average U.C.C.A candidate in a few years time. He wants a good science degree from a reputable university. Academically, Imperial is top of the list. He then asks himself, 'can I afford it?'

With the increase in rents, the prospect of poll tax and higher costs of living alongside a frozen student grant and a loan system which is far from attractive is he not more likely to sacrifice the academic edge Imperial has and opt for a slightly lower standard of University in a more financially-survivable region?

We are reaching the stage where the economic disadvantage of a degree course at Imperial is outweighing the academic advantage.

If Imperial is to retain its unique reputation as a leading centre of Science and Technology it is surely in its interests to attack the top brains from across the country, not the brains from one small sector of the population who's financial standing enables them to apply.

COMPETITION

A farmer owns a circular field. In this field he wants to put a goat. Bordering the field is a fence, to which the goat will be tied with a rope. The farmer wants the goat to eat only a quarter of the grass in the field.

The question is, how long should the rope be?

(The field has a radius of twenty metres, and you can assume that the goat can eat the grass before it has a chance to grow.)

Entries should be submitted to the FELIX Office by Wednesday 12.30. The answer most nearly correct will be awarded a £10 book token. In the event of a tie the winner will be drawn from the editors silly hat.

YOU HAVEN'T THE RIGHT TO
REMAIN SILENT, BUT AREN'T
ALLOWED TO SPEAK AS WELL.
ANYTHING YOU SAY OR DON'T
/ SAY WILL BE USED...



WAYS OUT OF THE ARMS RACE

In early December, thirty-seven scientists will be descending on Imperial College to speak in a conference which will address some of the most pressing issues we face as a species including how to get out of the arms race and avoid the otherwise unavoidable

The arms race is draining humanity of enormous resources

consequences. They range from Roald Sagdeev, President Gorbachev's key policy and science advisor, to Robert McNamara, Presidents Kennedy and Johnson's Secretary of Defence, and architect of the philosophy which has underlain global security since those days, Mutually Assured Destruction. They'll be coming from East Germany (talking about chemical weapons, civil infrastructures in war) and from Argentina (The arms race in the developing world). Some believe nuclear weapons testing and proliferation are necessary and unavoidable and others that they are unnecessary and avoidable. They've made key contributions to the development of new weapons (Garwin, Taylor) and key contributions to preventing their misuse (Garwin, Taylor). It's going to be feisty, contentious, informative and, above all, given the calibre of our speakers, interesting.

Today, the arms race is draining humanity of enormous resources: material, moral and intellectual. Unfortunately, science and scientists have contributed to this dangerous state of affairs. As scientists, as citizens of the

world, we have the duty both to recognise this and to use our skills to explore ways out of the present situation.'

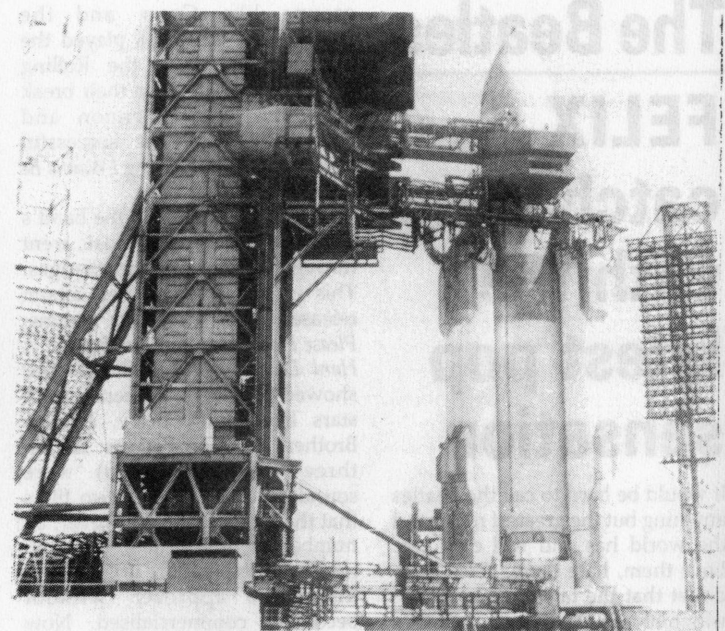
Thus concluded a meeting of 3000 scientists at the First International Scientists' Congress, entitled 'Ways Out of the Arms Race', held in Hamburg in 1986. Since that date, our group of scientists from East and West Germany, France, Italy, the Soviet Union, UK and USA have been working to provide a forum for the presentation of ideas which explore ways out of the present situation, and a critical analysis of current trends in the arms race. The Second Congress here at Imperial College will provide that forum.

What is the present situation? Is it so dire? And why and how should scientists contribute to finding ways out?

We live in interesting times. Great changes in the structure of the global balance of power are taking place. The massive transfer of economic might from the USA to the Pacific basin has been coincident with a massive post-war American armaments build up. The gradual fracturing of Soviet spheres of influence have coincided with their equally massive arms build up, and the recent extraordinary changes in their society's fabric. Under Presidents Gorbachev and Reagan, we have seen the world's first nuclear force reduction treaty—doing away with a whole and very dangerous class of weapons—while every day we read of new nuclear deployments, at sea, in space, and in supposedly non-nuclear countries. A further dimension is added by the alleged, denied, proven and continued use of chemical weapons in the Middle East, the planned production of binary artillery shells by the USA, and the undoubted Soviet block capabilities in this field. New technologies have profound implications to nuclear proliferation, miniaturisation, delivery systems and testing, the verification of arms control treaties, the ability to wreak 'first-strike' devastation on an

Under Presidents Gorbachev and Reagan we have seen the world's first nuclear force reduction treaty

enemy, anti-satellite weapons, submarine detection and concealment, and the command and control of nuclear war. The last ten years have seen a technology-led revolution in each field. Our Congress will, uniquely, give an up-to-date assessment of the State of the Arms Race, and more importantly, suggest definite ways



Russia's potential SDI launcher.

to end it. Scientists have an important role in this endeavour.

Take, for example, last week's news that the Soviets have agreed to convert the contentious

New technologies have profound implications to nuclear proliferation

Krasnoyarsk phased-array radar to civilian use. This is a smart move, since it may well have violated the anti-ballistic missile (ABM) treaty, and has led to many Western factions giving support to the Strategic Defence Initiative (SDI). This initiative—meant originally to defend cities—is discredited among most US Administration experts and defence analysts as being unworkable. However, a weapon hopelessly ineffective against ballistic missiles could be very efficient in knocking out satellites

knowledge of its capabilities. The assessment of Soviet sincerity in its conversion will rely on a working knowledge of the Soviet Academy of Sciences' intentions and the means to ensure they're carried out. We're delighted, therefore, that we have three heads and one former head of department of the Soviet Academy of Sciences to tell us about their plans. The implications of the latest Soviet move deserve very careful assessment, especially in the light of their own research in SDI related technologies.

Another area where scientists should contribute is in the very contentious issue of whether there is the need to test nuclear weapons.

Scientists have an important role in this endeavour

The current of opinion now seems to be saying that, besides being escalatory and damaging to our already creaking environment, nuclear tests of weapons are technically unnecessary. The debate continues, and underlies the fundamental issue of the Comprehensive Test Ban Treaty. If this were signed and ratified, could we ever know if the Soviets or the Americans were cheating by just testing small, seismically decoupled warheads? The answer is probably 'Yes', but obviously deserves careful thought.

The Congress will take place on Friday evening (2nd December), with a Plenary Session in the Main Hall, on Saturday in three parallel

sessions, and on Sunday morning, again with a plenary session. One of the most interesting features of the Congress will be the Poster Session, which will take place on Saturday lunchtime, in which researchers and interested people will be displaying posters

An unprecedented opportunity for participants to meet the speakers

illustrating their work. There have been about 30 posters submitted so far including several on chemical weapons, a few on the psychology of the arms race, and some on developing world problems. It should be a forum for stimulating debate: in this era of glasnost, we are taking on all viewpoints. If you have a serious piece of work which deserves public airing, let us know. For Saturday evening, we are still hoping to organise a three-way satellite debate with Soviet TV, the BBC and a West German TV company. BBC TV are covering the rest of the Congress, as are Channel 4 and Radio 4. On Friday we are organising a reception in the Science Museum (all included in the entrance fee), which will provide an unprecedented opportunity for participants to meet the speakers

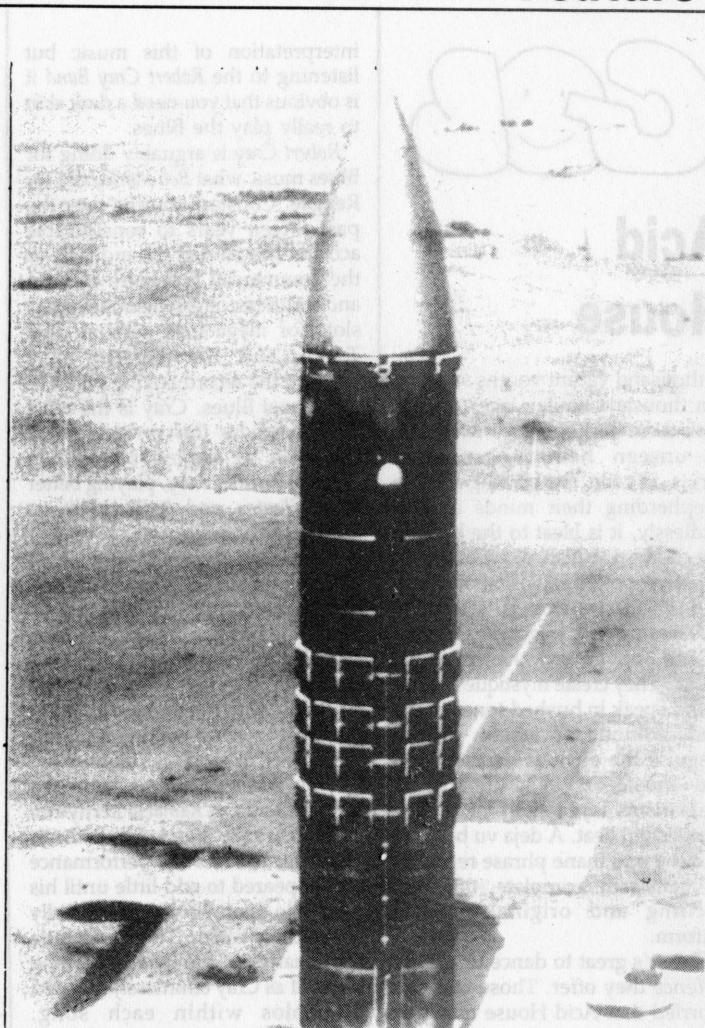
and each other.

Now, being a scientist does not necessarily give you insight into the solution to all these problems, but here are ways in which you can apply your technical expertise to the analysis and solution of the problems these technical and political developments present humanity. Similarly, being a former US Secretary of Defence or a key Gorbachev advisor does not necessarily give you the monopoly on wisdom, but it does make you worth listening to. That's what many of the participants who have already signed up think. We have people from peace groups and from Ministries of Defence from both East and West, coming to listen, to talk,

People from all shades of political opinion

to provide their analyses of the problem in posters and in argument. We have people—policy makers and their critics—from all shades of political opinion. We have students and professors from many countries; the talks will be largely non-technical, but will demand concentration from the audience. If you're interested in finding out more, contact me in the Blackett Laboratory.

John Hassard.



US Peacekeeper ICBM

EXHIBITIONS

Museum of the Moving Image

South Bank Centre



A classic movie

Okay, I admit it isn't a film, but it is as closely related as anything could possibly be, and it's new, so why shouldn't it be reviewed here? No reason whatsoever.

Wave your student ID, pay your £2.50 and you can pass through the turnstiles into a world of diversity and development, wandering down corridors which meander through exhibits showing all aspects of TV and cinema.

The museum is split into three main areas, though they overlap to some extent. Initially there is a section on early development, based around the pioneers of moving images, Edison, Marey, Reynaud and the like. Since technology advanced slowly in this era the exhibits begin to look repetitive, and although their history is recounted well and in detail this is, quite frankly, pretty but boring.

Having stumbled through the story of magic lanterns and zoetropes we come across the birth of Hollywood and the silent films which marked the dawn of cinema. Here we enter the second part of the museum. There is a change in style

as the individual displays now concentrate on development in a particular field, sound or censorship for example, or just a description of that subject, make-up or set design. This section describes the many facets of cinema, past and present and even includes a proper auditorium where you can watch classic movies.

Beyond this we enter the third, more familiar area of television. This fast advancing industry is shown in a range of technically oriented exhibits as well as the usual storyboard displays. Join in; push buttons, read the news, be interviewed by Barry Norman. Whatever takes your fancy. Most importantly you can discover where the licence fee goes (down the drain according to the museum).

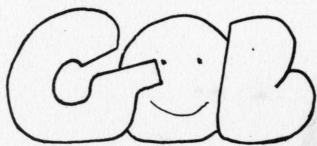
And before you know it you've passed another turnstile and into the outside world, which begins with a gift shop, of course. But look at your watch. A fleeting visit of only three hours. Time to see everything, but not to overload your mind by seeing it all in detail. Was it worthwhile? It certainly was.

Where the museum excels is in creating an impression of activity, while retaining the simplistic form of a passive museum. The opportunity to press or do is not abundant, but it is an inherent feature of an exhibition like this to include moving pictures. Watching innumerable clips from movies is more active than reading a card pinned to the wall, and as a result there is an everpresent feeling of occupation.

As with any museum many of the best displays are tucked away in a corner like the computer graphics simulation unobtrusively placed amongst the many animation exhibits. My only other criticism is the limited international involvement. There is little more on show than British cinema and Hollywood, and a touch of the Russian Revolution.

So, next time you want to avoid your Sunday afternoon problem sheet or lab report, give the South Ken museums a miss and wander down to South Bank instead.

Andrew Clarke.



Acid House

A thousand vacant youths sporting ten thousand smiley faces, except their own. Beckoning skyward as if to unseen hallucinogenerated forms, in vain. The pulsing rhythm shepherding their minds around endlessly, it is bleat to the beat on the modern British dancefloor.

The purported explosion of House and its derivatives is artificially elevated by bandwagoneers hoping to hip-hop aboard the 'next big thing'. They create mystique around it and speak in hushed tones of the underground movement. All to disguise the obvious deficiency of the music, it is dull. Turgid plagiarisms layed flatly on a well established beat. A *deja vu* bassline and the odd inane phrase repeated ad nauseam complete this, er, exciting and original musical artform.

'But it's great to dance to', is the defence they offer. Those who are worried that Acid House may just be as boring as they originally thought but are too afraid to admit it: after all, a hundred million lemmings can't be wrong. If it is fab dance music then fine, but why pretend it is anything else? Why build the tower of youth culture on something far too flimsy to support it? Hype—why not. Be paid ridiculous amounts for the pleasure of seeing people part with money several times for the same product in vaguely different packaging. This music says nothing—not to anyone on this planet anyway.

So, time to put your mind between the lines, catapult yourself into a different plane on the good ship 'Ecstasy' so that you can really appreciate the subtleties of this fad. Maybe, the next time you're trip, trip, tripping along, you'll hit reality with a bump and realise that it is all crap.

LIVE

Robert Cray

Hammersmith Odeon

The Blues is black music and its principle exponents, *T Bone Walker*, *Howling Wolf* and *BB King* being the most famous have all been coloured. Eric Clapton might have his own

interpretation of this music but listening to the *Robert Cray Band* it is obvious that you need a dark skin to really play the Blues.

Robert Cray is arguably doing for Blues music what *Bob Marley* did for Reggae. Constant touring over the past fifteen years to considerable acclaim has alerted the industry to the commercial prospects of Cray and a number of prestigious support slots for mega-stars such as *Tina Turner* and *Eric Clapton* have exposed the record buying public to traditional Blues. Cray is the ideal figurehead for this revival. He is described as singing better than *Terrence Trent D'Arby*, playing better than *Clapton* and looking like a young *Harry Belafonte*.

His concert style is ideally suited to Hammersmith. The band was tight and supportive, allowing Cray himself to be more free and he used the relative intimacy to talk to his audience, even jesting good naturedly with the hecklers; 'I don't have to answer to nobody tonight'.

His normal band was augmented by the *Memphis Horns*, sax and trumpet and *Tim Kaihatsu* in rhythm guitar. Partially crippled by arthritis he sat for most of the performance and appeared to add little until his own solo spots in which he really showed his worth. There was little showmanship, the music speaking for itself as Cray effortlessly blended his solos within each song, particularly on the material from *Don't be Afraid of the Dark* which is his most accomplished record yet. As time progressed and the pearls of the back catalogue were played the solos became red hot, especially on *Smoking Gun* and *Right Next Door*. Contrast was introduced by way of a slightly indulgent piano improvisation by *Peter Boe* but the night belonged to *Robert Cray's* slender fingers showing us the true sound of the Blues.

C.D.L.

Love & Money

ULU

Having been fortunate enough to find a seat in the upstairs gallery, I caught the last three songs of the support act, the *Senators*. I must confess to being a little surprised that a band with such a small billing on the posters in fact turned out to be a very solid, commercially orientated band who I'm sure will progress to bigger and better things.

After a short break, *Love and Money* took to the stage, opening powerfully with old favourites such as *Hallelujah Man*. The set then

quietened almost to the point of being boring if you weren't familiar with the songs (except for the single *Candybar Express*) and was slightly spoilt by the lead singer's aspirations as an axe-wielding, hip-thrusting guitarist.

Just as I was beginning to shuffle uncomfortably in my seat, the band shot into what is, in my view, their best single yet; *River of People* closely followed by *Love and Money* before leaving the stage only to return with a brilliant rendition of *Jumping Jack Flash*.

All in all the set was good and in places brilliant although I wish they had played some *Hipsway* songs in the middle.

Robyn Hitchcock Assassins, Jazz Butcher

Town & Country Club

Act I. Enter the world of the *Assassins*. A world of disturbing, insidious music accompanied by utterings of the grotesque, the odd mutilation or murder and love. The music is that from horror films when they play flat fairground sounds to create a feeling of tainted normality. The *Assassins* use dischords and misharmonies to produce effect. Along with the visual terrorism of the lead singer's eyes. This three-man group is minimalist but their stage presence and projection is maximum. Their unclassable sound does not appeal to everyone and never will. See this excellent group with an open mind. The stuff that cults are made of.

Act II. A change of pace. The *Jazz Butcher* are strange. They have all the elements of a really good band—original songs, fine lyrics, good musicians and a character. However, they still manage to combine these flavours to make a show of raw pastry.

Act III. Robyn Hitchcock is simply himself. He has no pretensions about being a rock star. He has been

performing for about ten years and is quite unique. He has no definite style except for the occasional 'wierd' song. Like *Brenda's Iron Sledge* (which unfortunately he didn't play tonight) and the psychedelic *Man with a Lightbulb Head* (which fortunately he did play). The thing about Robyn Hitchcock is that he can play anything and make it sound right.

He was joined tonight by Pete Buck from REM for no wildly apparent reason but it didn't matter why, he was just there with excellent numbers like *Heaven* to finish the set.

CLASSICAL

Maurizio Pollini

Royal Festival Hall

The Italian pianist Pollini gave this recital as part of 'The Reluctant Revolutionary', a festival celebrating the music of the German composer Arnold Schoenberg. Fortunately the Schoenberg content of this concert was limited to only three short pieces. Described in the programme notes as fascinating, these atonal poems had no melody or rhythm and could have been Pollini warming up for all I knew.

This was preceded by pieces by Brahms, Schoenberg's mentor who took the trouble to find out how to play the piano before composing for it and followed by Beethoven's Hammerklavier sonata. Written originally for Archduke Rudolph of Austria, it gave Pollini a chance to show his skill and dexterity, and his passionate rendition earned him a standing ovation. He responded by giving two encores neither of which were by Schoenberg, so that was alright.

Maurizio Pollini plays a further concert at the Royal Festival Hall on November 10 and is recommended to anyone who appreciates fine piano playing, even if it is Schoenberg.

CDL.



IN THE PIPELINE

If you have ever been on a family picnic on a hot summer's day, or ventured out into the sun in hotter climates than our own, then the chances are that you will have been hounded by some of nature's most vociferous scavengers—flies. However, it is now the opinion of forensic scientists that Mother Nature's PR department has been a little too harsh on these insects, as they can provide useful clues to some of the most gruesome crimes.

In September 1945 a woman was walking over a bridge crossing Gardenholm Linn, a small stream that runs just north of Moffat in Dumfriesshire, Scotland. She looked down into the ravine below and something caught her eye. It was a human arm lying on the bank. In the ensuing days the Police collected over seventy pieces of butchered human remains from the site that was to become known as 'The Devil's Beef Tub'.

This was the beginning of the famous Ruxton case, a landmark in British legal history. A great deal of evidence was collected and some of the most distinguished pathologists of the time were involved in solving the crime. Amongst the evidence examined were some maggots that had been feeding in the decaying remains. The maggots were examined at the University of Edinburgh, where their age was

accurately determined. The larvae must have developed from eggs laid by flies on the remains, thus their age gave some idea of the time elapsed since death, and provided a strong clue as to when the murder took place.

The remains were subsequently identified as those of the wife and maid of Dr Buck Ruxton of Lancaster. Ruxton was found guilty and later hanged. This was the first time that entomological evidence had been successfully used in Britain.

Forensic entomology

The subject of forensic entomology was born in 1859 when a Dr Bereget examined the decaying corpse of a child, and on the basis of some fly puparia and certain species of mites accurately determined the year the child had died. The subject was given a firm footing when in 1894 P. Megnin published his 'La Faune des Cadavres Application de l'Entomologie à la Médecine Legale'. The central thesis of the book is that the time of death can be accurately determined on the basis of the assemblage of insect species found on the corpse. The idea being that different species are attracted to the corpse at different stages of decomposition, and identifying the species will fix the time of death.

In practice this principal is not easy to apply. The decomposition of a corpse is dependant on many external factors, the fauna hierarchy depending on geographic location, season, local vegetation, weather and so on. However, all is not lost, very accurate determinations can be made on the basis of the age of larvae, although current knowledge of the effects of physical factors on their development is incomplete.

In general, as long as the environmental conditions allow insect activity, blowflies are the first insects to arrive at a corpse, usually about a day after death. Obviously if the body has been concealed or buried in such a way as to prevent blowflies from reaching it then the absence of larvae can also provide an important clue. Blowflies can be of use to forensic scientists in other ways; by analysing the mercury content of larvae in a corpse found in Finland scientists successfully located the place of death. When maggots stop feeding they leave the corpse to find a place to pupate, often migrating large distances to do so, in this way they can betray the existence of a corpse!

One of the hardest tasks facing forensic entomologists is determining the time of death when a corpse is several weeks old. In such cases the age of any larvae found can be of little use, as it is unlikely that they represent the first wave of insect infestation. The soil fauna around the corpse undergoes a change as the corpse decays. At first there is a rapid decline in the number of individuals and species, reaching a minimum after about two months. After this the richness of fauna increases, but may be very different to the original one.

Knowledge of the seasonality of insects can be very useful, for example, if an exposed decaying corpse is found during the summer,

and lacks the expected fauna, it can be said with some certainty that death occurred during the winter months. The reason for this is that insects are only attracted to a corpse in the early stages of decay and if the death had taken place during the winter period, insect activity would have been missed.

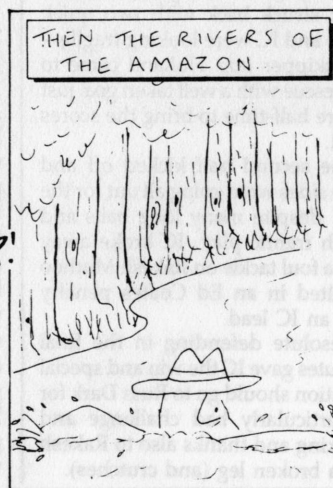
One important question sometimes faced by investigators is whether a body, or parts of a body have been moved. Here forensic entomology comes into its own, the presence of insects in their wrong habitat strongly suggests movement. There are cases on record in which bodies have been transported great distances—even across the sea, but where entomological evidence has eventually uncovered the facts.

Case study

It would be wrong to end an article on death without one more case study! A man was walking his dog in woods near Manchester when he tripped over something protruding from the woodland undergrowth. On closer inspection he noticed that the offending article was a badly decomposed human arm. Detailed examination of the corpse and surrounding fauna showed a significant reduction in the number of brachiopods, putting an upper limit on the time of death.

Entomology is a very powerful tool in criminal investigation, but being relatively new has not been exploited to the full. As in all analytical sciences, a negative result can be just as significant and small irregularities in the age or habitat of the insects can mean the difference between a conviction or elimination of a suspect.

SouthKenders



MENS HOCKEY

Good Results

IC 3rd XI—3

Kent 3rd XI—0

IC 3rd XI—4

Kodak IIs—2

Last Wednesday saw the 3rd XI's first taste of UAU hockey against Kent. Reinforced by three 2nd XI players the game started well with the ball continuously in the opposition's half. The pressure remained fruitless, however, until Dave Millard opened the scoring on the stroke of half-time. IC piled on the pressure in the second half leading to a second goal from Jon Briggs who managed to net the ball despite being taken out by the keeper. Five minutes later Dave Millard produced a carbon copy of his first goal rounding off a good team performance and UAU success.

Following on from Wednesday's game, the 3rd XI arrived in a good spirit eager to take the game to the opposition. Play soon became scrappy, however, as reckless play from the opposition marred the atmosphere as IC took the lead twice through Steven Burton only to see two sloppy equalisers go past Shaun West. Play improved to see Steve Burton complete another thrilling hat-trick and Kaleem opening his account with the 3rd XI.

SKIING

Dry Slope Racing

Last Saturday the Ski Club again entered three teams for the second match in the dry slope league. The first team had a relatively easy first round and won their group. The second team managed to beat the UCL first team (thanks to a faller) but were then beaten in a thrilling finish by someone running down the slope carrying one ski! This led to a second round clash between the IC first and second teams, which was surprisingly close but the result was predictable. In the final playoffs the first team were again beaten by Harlow, the team which is so far unbeaten. The second team faced UCL firsts again, but this time UCL stayed upright and won. Meanwhile the third team won a race in each of the first and second rounds but despite this they came disappointingly low in the placings. The final results were 2nd, 6th and 13th. Thanks to everyone who came, especially Tudor for driving.

THE SPORTS PAGE



This photo was taken by Dug Queen

FOOTBALL

Division 6

IC VI—2

LSE V—3

In a game closely contested as the score suggests, IC came twice from behind to level the score before LSE won the game with a lucky goal. Lee Davis scored with a remarkable header, despite the attentions of two 6ft defenders and despite Lee being the shortest man on the pitch. Nigel Sale scored the second with a 20 yard drive from the edge of the box.

FOOTBALL

Match Report

IC II—3

Kent II—2

After a string of good results, IC II faced perhaps their toughest challenge yet. The game started badly for IC, but despite a lot of early pressure IC managed to steal an early goal through Ash Jalan. Kent struck back with two quick goals and IC were looking fragile—but skipper Jez Holland came to the rescue with a well taken goal just before half-time to bring the scores level.

The second half kicked off and both sides were going all out for the win, despite many long balls and much frantic play, IC broke away and a foul tackle on Rakesh Muthoo resulted in an Ed Coates penalty and an IC lead.

Resolute defending in the final minutes gave IC the win and special mention should go to Russ Dark for a particularly bad challenge and booking and thanks also to Rakesh for a broken leg (and crutches).

FENCING

Foiled

Mens

IC—25

IC—21

Surrey—15

Ladies

IC—5

IC 5

A very good performance from all our teams with the sabreurs beating Surrey 9-0 but losing to Kent 6-3. The foilists lost one fight all day and won 8-1 and 9-0 against Surrey and Kent respectively. This performance was especially good since the team is very different from last year. In the epee (our strongest weapon) we won 8-1 and 9-0

The ladies managed to win both their matches despite tough opposition with the outcome hinging on the last fight each time. Both the men and ladies are through to the third round.

GOLF

First Win

IC—3½ points

Kent 2½ points

On Wednesday 9, IC Golf Team played its first match of this year's UAU Championship against Kent University. Half the team was lost at the end of last year so a new team had to be constructed around this year's intake. We were somewhat unsure of the possible outcome, but a good team spirit exists. Sound performances from Alex Reilly, Boon Wee Kuah and Rhys Evans paved the way to a quite convincing win, if not evident by the final score.

FOOTBALL

UAU Thriller

IC I—3

Kent I—3

A late surge by IC saw them overhaul a two goal deficit in the last five minutes to salvage a vital draw, Tim Sanchez-Fisher scoring in the last minute of the match.

IC, unbeaten so far this season started confidently, wasting several chances only to go a goal behind. Behind for the first time this season, IC rallied and top scorer Brian Wood rifled home the equaliser on the half hour.

The second half saw Kent out in bullish mood, dominating territorially for long periods and soon in a commanding two goal lead. With ten minutes to play all seemed lost, but a goal mouth scramble and a Guy Hattersley cross for Sanchez-Fisher, saw IC saving the match in the dying seconds, sending the fans wild.

RUGBY

Dominant

IC 1st XV—60

Kent University 1st—0

IC went into this, their third UAU match, unbeaten and perhaps over confident of victory in the initial stages. It was obvious to all the team that if they were to progress further in the later stages, then this game should be seen as an opportunity to develop the dominant, controlled rugby demonstration in earlier games.

The first twenty minutes of the game were generally scrappy and undistinguished, the only points worthy of note being two opportunist tries from Dave Fleming, capitalising on a weak Kent defence. Although the level of IC play picked up towards half-time, things were not as easy as expected, and IC were disappointed with the score of 16-0 at the turnaround.

An animated half-time pep talk by Henry produced immediate results. The backs started to paly as everyone knew they could, strong in the tackle and devastating in attack. The pack dominated in the loose and in the set, scrums and lineouts proving particularly fruitful.

Both forwards and backs showed superb handling skills as a torrent of tries demoralised the entire Kent team. Dave Fleming completed his hat trick and Jez Quirk returned to his devastating best, smashing through tackles to lay on tries for others and score three himself. Captain Jean-Francois Lucan bagged a couple as IC ran riot.

SciFi Soc

Things

The Science Fiction Society has an excessively busy week next week. This starts at 7pm on Tuesday in ME220, with our latest film the John Carpenter version of *The Thing*. With impressive special effects, a decidedly paranoid and claustrophobic atmosphere, this film is probably one of Carpenter's best. It stars Kurt Russell as a crew member on an Antarctic base menaced by a mysterious alien that has already destroyed a similar camp. And the alien can disguise itself as the exact likeness of any of the base's crew. Watch out for the walking head!

Then on Wednesday lunchtime we have something more serious. In Huxley 144 at 2pm, Gerry Webb, director of Commercial Space Technologies, and partner of the HOTOL designer Alan Bond will ask the question, 'Is the British Space Program Science Fiction?', and look at the ways space will be used over the next thirty years. Will Britain be playing any role? Ask Gerry, and you may get some very interesting, and new, answers about where we are going, and whether HOTOL will ever get off the ground.

Thursday evening, we have the inaugural meeting of the Writers of ICSF. Anyone interested in writing science fiction, or maybe just improving any of their writing, should come to the Green Committee Room at 7.30pm. Submissions for the Writing Group, or for our soon to be published magazine, should go to the ICSF pigeonhole in the Union Office.

Then on Friday, ICSF proudly presents an all night showing of Science Fiction and Fantasy on STOIC. This can be seen in halls, and on our special monitor in the UDH. Among others we shall be showing *Edge of Darkness*, Troy Kennedy Martin's famous political TV thriller on nuclear nightmares and Gaian ecology. Does Jedburgh Live? Come along and find out!

Filmsoc

Mischievous

Things

This coming week at Filmsoc we'll be showing *White Mischief*. It's one of those stylish period pieces British film makers do best. Set in Kenya

in colonial times it is a story of high society affairs and murder, starring Greta Scacchi and Charles Dance (remember him from *Jewel in the Crown*?).

See 'What's On' for details and as if that wasn't enough we're doing a special offer on membership this week too. It will only cost you £3 to join Filmsoc which entitles you to free entry on the night you join and half price entry thereafter. So you'll be saving money after only five films. Also we're looking for new committee members. For just a little help setting up, putting away and projecting you get into all the films free, choose what we show and it looks good on your CV. Have a word with any committee member when you come to watch a film. We're nice people really.

Scout and Guide

Dib Dib Dib...



We are the College's all-round outdoor club, but if you saw what we were doing last weekend, you probably wouldn't think so! It was our annual 'social' weekend, where we hire the requisite number of barges and descend upon some beautiful part of Britain's waterways. This year we travelled to Rugby and the Grand Union Canal. If you think there's nothing much to do on a barge, think again. If, at some point you don't fall in attempting to climb over bridges, or some other silly stunt then the Club will gladly bring the canal to you, in any available container large enough!

Of course, if your name is Fiona, then this is not necessary, as was soon discovered! One rule you must always remember though—never

Amnesty International

Chrissy cards

If you want good quality, great designs and super prices—look no further! Would you believe that you can buy a Christmas card for only 8 pence? Our prices range from 8 pence to 18 pence, and, you can get gift tags (4p each) and wrapping paper too.

How can you possibly resist? Don't even try—see you on Thursday November 24, lunchtime, in the JCR.

Debating Society

Arguments

On Friday 4 October, Imperial College Debating Society was invited to send two teams to a debating competition at Bristol University.

Unfortunately the invitation did not arrive until Thursday and rapid plans were made to get volunteers.

The event was organised by Bristol University Union, and sponsored by Lloyds bank who hopefully would pay all travel expenses, food and hotel bills.

The preliminary round was a prepared debate entitled 'this house believes that life begins on graduation day'. Being in opposition, both IC teams explained the terrors of London apart from other things. Our teams were comprised of; Mark Gialanze and Dave Roberts for one team and Lynder Matthews and Paul Bayton for the other.

The debating was both vigorous, dynamic and exciting, yet also very courteous, and rules of the house in general observed.

Both IC teams did exceedingly well, especially considering some of the members had no debating experience like this before, and they raised several points of information and made powerful speeches in opposition to the motion. IC faced stiff competition from much more experienced Oxford, LSE and Brunel teams, most of which were composed of students of the arts, many of which were law students whose very job it is to debate, and with debating societies over twenty times bigger than IC's. Both Imperial teams were thus knocked out after the first round.

In the evening the unprepared intermediary and prepared final round was held, where the debating was even fiercer, and very entertaining. The motions were 'this house believes that a green world is detrimental to the comfort of man' and 'this house believes that a terrorist's life is as important as a soldier's'.

The team from LSE won.

Debating can be great fun, and if you want to take part in debates such as this one (there's two debates coming up), or would like to partake in more informal debates, or would simply like to listen, then why not join Debsoc. You needn't be an experienced debater to join—Debsoc caters for all abilities. If you would like to join the cost is £2 for the whole year. Please contact any of the following:

Lynda Matthews (Chem. Eng. 3)
Andrew Waller (Physics 2)

What's On

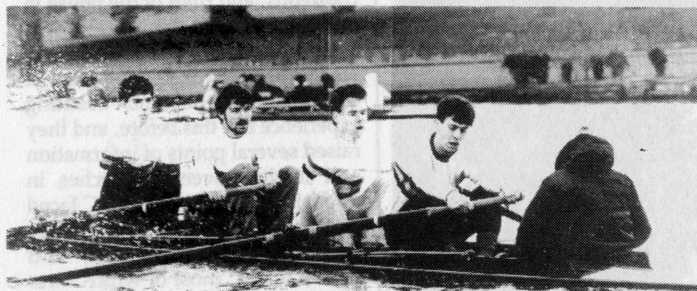
A guide to events in and around IC.

FRIDAY

- Rag Meeting**.....12.40pm
Union Lounge.
- Friday Jamaa Prayer**.....1.00pm
Union Dining Hall.
- Christian Union Meeting**.....5.30pm
308 Huxley. Time for prayer, worship and discussion.
- Poetry Readings**.....6.30pm
University of London School of Oriental and African Studies Room G57.
- Fencing Club**.....12.30pm
Union Gym. Meeting also at 6 o'clock.

SATURDAY

- Karate**.....10.00am
Southside Gym. Beginners welcome. Build your fitness and confidence.
- IC Kung Fu**.....4.30pm
Southside Gym. Beginners always welcome.
- Southside Cocktails**.....6.00pm
Southside.



SUNDAY

- Service with a Smile**.....10.00am
Sherfield Building. Organised by West London Chaplaincy.
- Wargames**.....1.00pm
Senior Common Room. All Welcome.
- Kung Fu**.....4.30pm
Union Gym. Beginners welcome.
- RCSU Night in the Bar**.....7.00pm
Union Bar.

MONDAY

- Rock Soc Meeting**.....12.30pm
Southside Upper Lounge. Come along and have a good time.
- ICCAG Meeting**.....12.45pm
Rag Office. Important changes are afoot—everyone must attend.
- Recitation of Holy Qur'an**.....1.30pm
9 Prince's Gardens (Basement).
- Beginners Ballroom**.....6.00pm
JCR. 80p.
- Beginners Rock 'n' Roll**.....6.45pm
UDH. 80p.

Advanced Ballroom.....7.00pm
JCR. 80p.

Karate.....7.00pm
Southside Gym. Beginners welcome. Build your fitness and confidence.

TUESDAY

- CU Prayer**.....8.15am
308 Huxley. For those who think prayer is more important than sleep. Free.
- Boardsailing Club**.....12.30pm
Southside Lounge.
- Audiosoc Meeting**.....12.30pm
Union SCR. Cheap records and tapes etc.
- Ski Club Meeting**.....12.45pm
Southside Lounge. Interested in learning to ski? Already hooked? Want to try racing? Come and find out more.
- El Salvador**.....1.00pm
Centre for Environmental Technology, 48 Prince's Gardens. At talk by a representative of FMLN-FDR, plus video. Organised by IC Third World First.
- Beatles Hour**.....1.00pm
For all the best Beatle and Beatle-related material on CD with Spenser Lane.

Qur'an, tradition1.30pm
9 Princes Gardens.

Amnesty Meeting.....5.30pm
Brown Committee Room

Meditative Prayer.....5.45pm
Chaplain's Office, 10 Prince's Gardens. Come and join us for some peace and quiet. See West London Chaplaincy.

White Wine Tasting.....6.00pm
Union SCR. See Wine Tasting Soc.

Judo.....6.30pm
Union Gym. All grades. No more complete beginners.

ICSF Film.....7.00pm
ME 220. 'The Thing'. 50p members (membership £1.50).

Karate.....7.00pm
Southside Gym. Beginners welcome. Build your fitness and confidence.

Intermediate Ballroom.....7.00pm
JCR. 80p.

Caving Club Meeting.....7.00pm
Southside Upper Lounge.

Arabic Lessons.....1.30pm
9 Princes Gardens. See Islamic Soc.

Beginners Ballroom.....8.00pm
JCR. 80p.

Mountaineering Club Meeting.....9.00pm
Southside Upper Lounge. Beginners always welcome.

WEDNESDAY

- Building Blocks**.....12.30pm
Mech Eng 702. A course in Christian Education run by West London Chaplaincies. Everybody welcome. Lunch provided for only 75p.
- Caving Club Meeting**.....1.00pm
- Hamsoc Meeting**.....1.15pm
Third Floor of Union Building. Amateur Radio Society regular weekly meeting.
- Ski Lessons**.....2.00pm
Meet Southside Lounge. Come to Tuesday's meeting to book a place. Bring gloves and thick socks.

Intermediate Rock

'n' Roll Class.....2.15pm
UDH. 80p.

Jazz Dance Class.....3.15pm
UDH. 80p.

Karate.....3.30pm
Southside Gym. Beginners welcome. Build your fitness and confidence.

Open Circle Study.....4.30pm
9 Prince's Gardens. See Islamic Soc.

Kung Fu.....7.30pm
Union Gym. Grandmaster CK Chang's class.

Basic Christianity.....6.30pm
Senior Common Room, 7th Floor. A meeting held by University Christian Outreach examining the life and claims of Jesus.

THURSDAY

Amnesty's Stall.....12.30pm
JCR. Come and sign a letter and buy a Christmas card.

Methsoc Speaker Meeting.....12.30pm
Mech Eng 703. Tony Jasper from the 'Methodist Times' talks on 'Holy Wit'.

Fencing Club.....12.30pm
Union Gym. Meeting also at 6 o'clock.

ICYHA Meeting.....12.30pm
Southside Upper Lounge.

Hang Gliding Club Meeting.....12.30pm
Southside Upper Lounge. Now organising courses for beginners.

Audiosoc Meeting.....12.30pm
Union SCR. Cheap records, tapes etc.

Ski Club.....12.45pm
Southside Lounge.

ICSF Library Meeting.....1.00pm
Green Committee Room. New members welcome.

Debating Society.....1.00pm
Room 341 Maths (Huxley).

Arabic Lessons.....1.30pm
9 Princes Gardens. See Islamic Soc.

Prayer Meeting.....5.30pm
Chaplain's Office, 10 Princes Gardens. All Christians in College are welcome to come and pray for the work of Christians in College.

Judo.....6.30pm
Union Gym. No more beginners.

ICSF Writing Group.....7.00pm
Green Committee Room.

Everybody welcome for constructive dissection of a piece by one of the members.

Soup Run.....9.15pm
Meet Weeks Hall Basement (back by 11pm).

Film.....7.00pm
Mech Eng 220. 'White Mischief'. 50p members, £1 non-members.

Smallads

ANNOUNCEMENTS

●Hypnosis—Martin S Taylor would like to thank everyone who came to his hypnosis lecture last Friday. For those who didn't, there's a repeat performance in the Commonwealth Hall on Wednesday evening.

●They're all at it!—Congrats to Andy H and Rachel on their lunacy this weekend.

●Kung Fu Club—Freestyle kickboxing tournament on Sunday December 11 in Kingston. Class being organised for Wednesdays, 5.30-7.30pm.

●Wine Soc—Okay folks clean out those sinuses, cleanse the palate and prepare for another deadly blind tasting. Prizes for worst, best and anybody sitting next to Fiona.

●Part-time staff required at Sports Centre. Any hours considered. Apply Sports Centre.

●Lost—at PG reception; 1 set of parasitology notes and 1 lab coat. Contact PGOA (Dave Clements) at ICU or on 6681 for return.

●Found—after the beer festival; 1 pair of spectacles. Please contact RCSU Office for retrieval.

LOST & FOUND

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PERSONAL

●Four down, two to go. Get them while you can girls. The Penthouse Club.

●Is Andy going fox hunting tonight? The Penthouse Club.

●Dear Marg Proops, no one seems to understand the small ads. The Penthouse Club.

●Mme Jayjay requires all accounts settled by the end of the month. Even the small ones, please Chris. Christmas bookings now taken.

●Are The Penthouse Boys really that shy. Come up and talk to us. Mme Jayjay.

Go get 'em Floyd

Since the old Sports Shop area has been given over to STA many people have asked what is happening to the Sports Shop? Where is it going to be? When is it going to open? Of these three questions only one can be answered.

At the present moment in time there is no suitable available site for the relocation of the Sports Shop, so it is unclear where or when a new shop will be open.

The Bookshop and Sports Shop Committee, who oversee the running of the Sports Shop, have decided that until it is known where the new shop can be located the Sports Shop will remain closed. Clubs, societies and CCUs who have regalia left in stock will be asked to buy this stock at cost price. If they do not, the stock will be sold to anyone who wishes to purchase it, whether it be RSM UGA ties or any other exclusive regalia. Chas Brereton will be informing the relevant people with his usual speed and efficiency.

The Sports Shop sale succeeded in generating sales of over £11,000 and in so doing rid us of a lot of old stock that was virtually defunct. In order for the Union to recoup the capital invested in the rest of the good stock, held back at the last sale, there will be another sale in the JCR on Friday December 9. All items will be vastly reduced from their normal retail price with some items reduced to only their cost price. Look out for adverts and posters closer to the time.

Neil McCluskey,
Internal Services Officer.

OVERSEAS NIGHT

Saturday 19th Nov
featuring

'EXCLUSIVE'

with DJ Jazzy V

Playing House, Soul,
Funk, Acid, Hip-Hop, etc.

Bar extension 'til 1am

£1.50

The President Speaks

Accommodation

1. *Motion on Rent Levels.* SRC has now agreed with the Union's proposals over the rent levels although they, like the Warden's Sub-committee, have expressed doubts over the practicalities. The matter is to be discussed by the College Finance and Executive (F&E) Committees this morning. F&E are the highest College committees and they make recommendations to the Governing Body which are usually accepted. I will report next week on the houses.

3. *External Affairs.* At present this Union has no policy on student loans. As a consequence of this, whenever I am questioned about them I have to give my own personal view. If this is alright with the Union, then fine I'll carry on, if not, could someone please come up with a motion so that I know where we stand.

2. *Subwardens.* The Wardens Sub-committee of SRC has set up a working party to look into the value of Subwardens. The Party, which includes myself, will look into their roles, their accommodation, numbers required, their effectiveness and any other area seen as relevant. I will be very interested to hear the views of the



students who have lived or currently do live in the halls or 4. *Welfare.* The first of the year's welfare campaigns will take place during the week beginning November 28. This campaign is to increase Alcohol Awareness and is aimed at increasing students' knowledge of alcohol and its effects rather than telling them to stop drinking. The week should culminate in a low alcohol and non-alcoholic drinks promotion in the Union and Southside Bars on the Thursday evening and Friday lunchtime. There will also be displays in the main departmental foyers along with a four-page pull-out in FELIX to launch the week.

Wendy Morris is a woman of few words

Posters. John Smith has assured me that posters will not be ripped down from the walkway and that his only concern is the Science Museum Library area and glass doors. I am sending him a copy of our publicity rules so that security can work for us rather than against us.

A quick reminder:

1. No language other than English may be displayed on any poster even if a translation is provided.

2. The Snack Bar is a poster-free zone.

3. Posters must not be affixed with sellotape.

Bar Extensions. All applications for extensions on Union premises will be put to the Executive for approval.

Policy has, however, been agreed that extensions for private/hall/house parties will not be accepted. This is to keep numbers to a reasonable level so as not to jeopardise other extensions for parties of College-wide appeal. Applications for extensions in the JCR should be sent to Rob Northey the Refectories Manager.

Cornetto sarsaparilla, icy RCS

Well it's the RCS report in FELIX again and a lot has happened since the last report. The Freshers' dinners were a complete success, with the Chemistry and Life Science and every other dinner going just as well. It was good to see Guilds taking an interest in mascotry after both the dinners and it's a good job to see they need such a lot of help at it. There was a bit of a problem after the Life Science Dinner when some over enthusiastic guildsmen 'took out' some of our people with a car. This is completely out of order and the matter has been sorted out between myself and Max Kallios the C&G Vice President. Just as an aside, the figure printed in Guildsheet as to an estimate of the damage to property was absolute rubbish; the only damage that we know about was to one of our own cars, and was simply a headlight

which was smashed.

Guilds have had a bit of a rest with it being Rag Week and all, so their Spanner and Bolt recovery campaign has slowed down a bit. You may have noticed them providing a pizza delivery service at the beer festival, this was all in aid of the recovery fund, all in all I hear it went very well.

RCS Rag seems to have had a very good Rag Week. The beer festival was a storming success; we raised of the order of £1900, not to mention what Scout and Guide and City and Guilds raised. Thanks to everyone who helped to serve and a special thank you to those who helped to clear up afterwards.

At the time of writing Gnoming and Grim Reaping is also proving to be a big success, with most College notables being Reaped at one stage or another. I don't know yet, but I

presume that the Smoking Concert was a success and hopefully our plans to raid London University Halls of Residence will work tomorrow. If you are interested in coming along, turn up at the RCS Office at around 9.30am on Saturday.

Other things which have happened around RCS recently include the election of a new Honorary Secretary, the winning candidate was Gareth Smith from Physics 1, congratulations etc.

The inter-CCU raft race last Sunday was a complete disaster like last year. The reason for the breakdown in organisation is debatable. As usual RCS managed to play by the rules but nobody else did. The whole thing is a joke and as such should be sorted out. (here here - Ed)

David Williams, RCS Union VP

UGC report may force merger with RHBNC

The Physics and Chemistry Departments at Royal Holloway and Bedford New College (RHBNC) may be forced to merge to avoid closure.

A report published by the University Grants Committee on Thursday has blacklisted RHBNC as one of a list of universities whose Physics and Chemistry Departments have 'fewer than 20 staff or 200 students on full-time honours courses'.

The report stresses that small departments are not educationally viable. It claims that 'the subjects will emerge stronger from concentrating staff and students into fewer universities'.

The report's objective is not to increase already large departments such as those at IC but to 'maximise the number of viable departments'.

The UGC report gives affected universities three choices. The first is to build up their departments, something RHBNC is financially incapable of doing. Alternatively, they can merge departments within their universities, with two departments receiving the funding equivalent of one. The final choice is to 'enter into a consortium with neighbouring universities'. Professors in the Chemistry Departments at RHBNC view the last option with most optimism.

In an interview with the 'Herald and News' RHBNC College Secretary, John Laureys, said that he was not expecting to have to close the Physics and Chemistry Departments but pointed out that a merger with Imperial College was being investigated.

International congress to be held at IC

Imperial College is to host the second International Scientists' Congress in December, entitled 'Ways Out of the Arms Race.'

The Congress will see world experts on subjects including Nuclear Arms, Chemical Warfare and the 'Star Wars' project. Speakers include Robert McNamara (US Secretary of Defense 1968-81) and Professor Roald Sagdeev, the Chairman of the 'Committee of Soviet Scientists for Peace against the Nuclear Threat'. Professor Sagdeev is said to be one of Mr Gorbachev's top men in the Kremlin at present.

Dr John Hassard, the organiser of the event, explained that scientists have not been sufficiently involved in political decisions on arms control

which are based on their technology. The first Congress in Hamburg in 1986 was organised in recognition of this, he added.

Dr Hassard has been promised coverage by BBC Radio 4 and Channel 4 television. He also hopes for an international satellite link at the first Session, on Friday December 2nd, between Britain, the USSR and West Germany. He went on to say that he is keen to see 'as much student participation as possible.' Students interested in attending the event on December 2, 3 and 4 should contact Mr Hassard on internal 6780. The cost to students will be £15, including a reception and food over the weekend.

(See Feature Page 8.)

Bikes napped

IC Students' bicycles were removed from outside the Physics department by Scotland Yard at the weekend as a precaution against terrorist activity over Sunday's Remembrance Ceremony in the Albert Hall.

Locks provided by the College's security department were removed with a pneumatic drill in the move made after a bike with its frame stuffed with explosives blew up several years ago.

The bicycles have now been returned to their owners with the police force paying for the replacement of locks.

Careers demo

Imperial College's Third World First and Campaign Against the Arms Trade groups staged a demonstration, outside the careers fair this week, against companies recruiting for defense work.

They cite eight companies as 'major arms traders' which include avionics and aerospace companies as the Ministry of Defence.

'Students are unaware of the extent of the arms trade with the Third World', claimed a spokesman.

Essay competitions launched

Two writing competitions, both with prizes of £1000, have just been announced. The first is the Peter Wohlforth Memorial Prize in recognition of the late Professor Wohlforth's concern for human rights. A prize of £1000 is on offer for the best essay on science and freedom. The choice of titles is 'Scientists: free agents or servants of the state?' or 'Can science flourish in a closed society?', the word limit is 6000 words and the closing date is February 1 1989.

The second competition with a first prize of £1000 is the 'Young

Business Writer of the Year' supported by *The Independent*. Entrants will be asked to comment on one of the following topics 'Is British business ready for 1992?', 'Can the law help business?' and 'Should education make Britain better at earning its living?'. Students will also have to write a profile of a local independent business of entrepreneur and summarise the most significant business news items on any day. 21 November 1988 and 13 February 1989.

And finally...

The Rector, Professor Eric Ash, was detained at Indian customs on his tour of the Far East recently when he was unable to produce an entry visa at Delhi. Professor Ash and his wife were allowed passage after intervention by the British Consul.

Sources in the Electrical Engineering Dept. have revealed that the incident was a considerable

embarrassment. A spokesperson in College said that it was up to the Rector himself to organise his passport.

The trip included many south-east Asian countries and was intended to aid IC's foreign relations. Professor Ash returned from the tour last Sunday.

