

Friday 5th October  
Number 877

SP

# Zellicx

**Farnborough Airshow, p8,9**  
**News, p2,3**





# Ealing Hall Survives Hoax!

The future of Clayponds (the new Ealing Halls of residence) was decided at midnight on Wednesday when contracts were finally exchanged.

There was pressure on the part of the vendors, Beazer Homes (South) plc to complete the deal and this should occur on the 12th October.

Part of the delay was due to a covenant on the site forbidding any use but private accommodation. The college needed a waiver from the secretary of state before the land could be used for student residences. This has been granted and a deed of confirmation is expected soon.

Other delays came from changes in the

specification, including alterations to comply with security arrangements. The cost of the estate is now £10.5M including furnishing but excluding financing and professional fees.

A few buildings have already been started, including a show home. Building work continues and should be complete at the end of 1991. There are four phases to the building work and students will be able to move in as these are completed.

The venture was described by Angus Fraser, Managing Director of Imperial College, as 'a great opportunity' for Imperial.

A hoaxer set of the fire alarm in Beit Hall during the Fresher's carnival last Tuesday morning. There was only one security guard present to deal with the situation. Ben Turner, Union Deputy President stated that there should have been two on duty all night.

The alarm, which started at 12.15am was found to have originated on the second floor of Beit New Hostel. On this floor, however, the alarm bell failed to sound. A bell at the top of the West staircase in the Union Building also failed.

Owing to the loudness of the disco, few people left the Union Building even though the alarm was sounding. When the music was turned off, however, people started to move out. Ben Turner said that this was reasonable as it allowed stewards to get into position. The party-goers continued leave even when the alarm stopped.

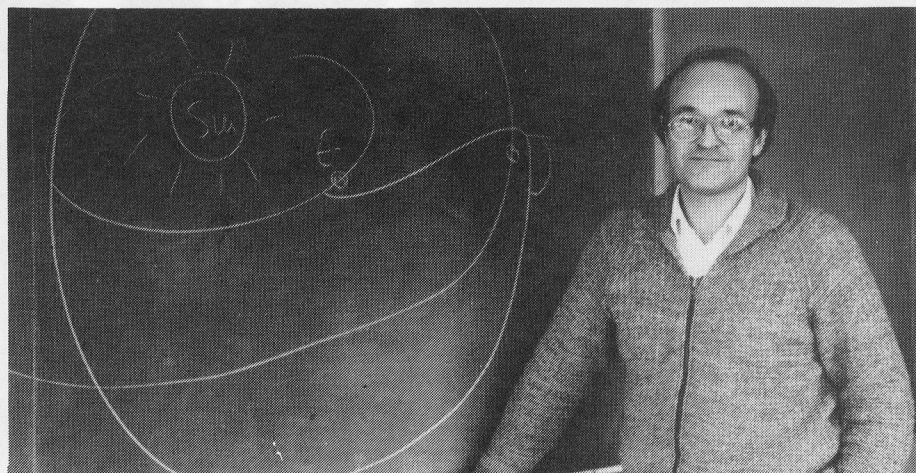
## IC Spaced Out

An experiment designed by Imperial College's Space physics department will probably go up on the space shuttle 'Discovery' this weekend. The experiment is part of the 'Ulysses' mission. The space probe will be sent on a trajectory which will sling it around Jupiter and then onto a polar orbit of the Sun.

This will be the first time that a space probe has attained a course that was not within the plane of the planets. Professor Stan Cowley, head of the Space and Atmospheric Physics group at I.C., said that this had not been attempted before because the trajectory was very energy expensive. He said that the probe 'Ulysses' would be launched from the payload of 'Discovery' with solid fuel boosters attached. Once these fired, 'Ulysses' would become the fastest man-made object ever.

Professor Cowley said that the mission's main aim was the study of the solar wind and the accompanying solar magnetic field. He added that the two instruments that I.C. had produced were a magnetometer that could detect a magnetic field of one tenth nanoTesla - the earth's magnetic field at South Kensington is 50,000 nanoTesla - and a detector of solar particles, which are mainly protons with energies of about 1MeV. Institutions from all over the world, but particularly the USA, will be contributing their know-how towards the instruments on board, all of which will be studying factors related to the Sun's effects.

The magnetometer is a small box less than a foot cubed and is attached to the end of a extendable boom to keep it away from the electrical interference of the probe itself. It cost £1/2 million to build and was funded by Science and Engineering Research Council (SERC). The whole project will cost many hundreds of millions of pounds and is the result of a collaboration between the European



Space Agency (ESA) and National Aeronautics and Space Administration (NASA).

Professor Cowley said that the period in which the launch could take place started from October 5th and only continued until October 25th, with a 2 hour period each day in which the shuttle can be launched. If this window is missed the programme will have to postponed for 13 months until the Earth and Jupiter are once more in the correct alignment. He said that the favourite launch date was this Saturday. The probe 'Ulysses' should reach Jupiter by February 1992, and pass the south pole of the Sun by summer 1994. It should then continue around to pass the north pole a year later. Professor Cowley said that this marked the end of the mission but the machines would still be running and further measurements could be taken.

The original idea for the mission had been put forward before 1977 and the instruments were built, with the help of the Jet Propulsion laboratories in the USA, ready for launch in 1983. NASA got into financial difficulties and the next date was in 1986, to be taken up in the Space Shuttle 'Challenger'. Professor Cowley

said that the I.C. team, including himself, had witnessed the Challenger disaster. Since then they had kept the equipment in good working order. He said 'the whole effort has taken much longer than normal' and added that it would be another five years until the end of the mission and a further five years until all the data is analysed.

Mr Andre Balogh, head of Instrumentation in the Space Physics at I.C. and principle investigator for the magnetometer, is at Cape Canaveral at the moment supervising the machine's last earthbound moments. Professor Cowley, a co-investigator for the instrument, said that the mission was of 'no practical consequence - it is pure science exploration at this stage.'

### Stop Press. Stop Press. Stop Press. Stop

A fire broke out in Weeks Hall at around 1.30am this morning. The incident was caused by a faulty heater turned on for only a minute. Following a banging sound from the unit, the fire caught and soon filled the room and corridor with smoke. The flames were extinguished by two residents. Despite the smoke no alarms were triggered.

# Mascotry Bungle



A six foot stuffed bear was stolen from the Rag office on Wednesday. The owners of the bear, Royal Hollerway and Bedford New Collage (RHBNC), are threatening legal action to regain possession.

The bear had originally been stolen from RHBNC by City and Guilds (C&G) as a mascotry stunt to raise money for rag. This backfired when the collage declared it to be their property rather than their union's. The collage's line was that the removal of the bear was theft and that they would not pay money to charity to recover it.

C&G eventually agreed to return the bear to RHBNC but it was not collected when they took it to Paddington on a money raising expedition. There £100 was collected for rag.

The bear was declared inviolate on Wednesday morning and placed into the care of Steve Farrant, Rag Chairman. It was from his office that the bear was stolen by the Royal Collage of Science Union (RCSU). A key had been obtained from security but when this was found not to fit, the door was broken down. It was later repaired by an ex-member of the RCS after the bear had been



'smuggled' out of the Union building through the Felix office.

It is not clear what the RCSU intend to do with the bear although Johnson Hill, RCS activist, suggested that they would

like to help the RHBNC Union raise money for charity to pay for the bear.

When Steve Farrant was told that the bear had been taken he replied, 'Has it? Oh, fair enough.'

## Down the Tube

A man tried to escape the police by running along the underground line at South Kensington tube station late on the night of Saturday 22 September. This followed a fracas at Southside bar which involved I.C. students, students from an American college and three men beleived to be working as contractors at the Victoria and Albert Museum.

Rob Northey, Refectories Manager, had the three workmen thrown out at closing time, but they stayed in the area causing aggravation. One of the men returned to the bar and smashed several windows with an iron rod.

Security guards called the police, and a chase ensued, ending at South Kensington Station where the men were arrested. The men are now out on bail.

Rob Northey told Felix that the police were looking for witnesses to identify the men and added 'the next bastard who has a punchup at Southside I'm going to turn the fire hose on.'

## Sell Out

Tonight's Fresher's Ball has sold out. All 1200 tickets have been sold and will not be available at the door.

## Cacophony Chatup

A complaint about noise levels was received by the Union on Monday night. The disco was using 10kW instead of the normal 3kW. The phonecall, at 8.00pm, came from a Royal College of Music residence, the all female Queen Alexandria Hall, situated at the rear of the Union Building.

Ben Turner, Union Deputy President, was overheard chatting up a girl in Beit Quad on Monday when he left his walkie talkie on broadcast as he held it between his legs. He stopped abruptly when Murray Williamson, Hon Sec (events), told him what a good conversation he was having.

## No Rape

A rape alarm was set off by mistake on Monday night between eight and nine o'clock. These alarms sound locally and in the security lodge and are situated in all of the ladies' toilets, in the Union office and in the Deputy President's office. They are not labeled as rape alarms but are coloured red.

## Gnomes

There will be a talk on 'The Human Genome Project' given by Dr. T. Vickers next Wednesday (10th October). It will be held in Lecture Theatre one, Department of Physics, at 1.15. Everybody is welcome.

## Paint Slop

Vandals spilled paint on a stairwell in Beit this week. They used a paintpot that had been used to prop open a security door all summer. There are now white footprints leading up and downstairs from the second floor in Beit New Hostel.

## Free Quartet

The Humanities department has arranged a concert in the Read Theatre (top floor of the Sheffield Building) at 1.15 on Thursday 11th October. It will be given by the Vanburgh String Quartet and the programme will include Haydn's 'Emperor Quartet' and Dvorak's 'American Quartet'. Entrance is free and open to anybody.



# Cadillac Man

Robin Williams is not in an enviable position. He has had two successive box office smashes (*Dead Poets Society* and *Good Morning Vietnam*), for both of which he was Oscar nominated. So far, so good. Now all he has to do is follow them.

Superficially *Cadillac Man* is more similar to *Good Morning Vietnam* in that Robin Williams is very much the driving energy behind the film—without him it would be nothing. It is, though, an altogether lighter effort—a simple, if genuine comedy.

Williams plays Joey O'Brien, who is a man with a problem. He likes to make women happy. This means indulging in relationships with emotionally draining Joy, financially draining Lila as well as supporting his ex-wife and a teenage daughter who is rapidly going out of control. Let's not forget his widowed mother, either.

Unsurprisingly this is costing him a lot of money, obtained from his job as a car salesman and a rather substantial loan from a mate in the Mafia. Just to complete this rosy picture, his job is on the line and so he has one last day to prove himself. Things are going well until Larry, the husband of pretty and flirtatious secretary Donna smashes through the window wielding a gun and an insatiable curiosity into his wife's illicit sex life. It's time for Joey to spin the ultimate sales pitch.

So, Williams gets to dominate the rest of the film. Luckily the rest of the cast



are given rather engaging little character sketches to act in, which they do with aplomb. From the Chinese waitress, to the Russian customer, Joey's world is filled with interesting people. Interestingly from a nearly all male production staff, the film's strong characters are all women.

Initially, the film lacks a 'hook', as we are led through the intricacies of Joey's social life. Then Larry arrives, and Joey's talking allows all. The whole film is then

rendered a little pointless, as all returns to an implied pre-film stance, abandoning the set-up that was the comic heart of the film. Well, it virtually guarantees that we can't get a sequel.

This is by no means a great film, but it isn't bad. Gently humorous, refreshingly optimistic and in fact generally nice. One to lift you from a depression. (Hey you're at LIC you're going to need it.)

**Pendragon.**

# Barbarians

The RSC's present Stratford season has gained a formidable reputation, giving the batch of new productions in the Barbican quite a challenge. Also in the back of the minds of the viewing audience will be the fact that these are the last new plays before the three month closedown. A disaster now might be fatal to audience numbers at the reopening.

*Barbarians* is not an obvious choice. One of the quartet written by Maxim Gorky at the beginning of the century, it deals with the coming of a railroad and the attendant construction engineers to a small Russian village. The contrast between the simple village folk and the landed aristocracy is used throughout the three acts (the play is three hours long with two 15 minute intervals) to explore the nature of each group as they interact and affect each other's lives, and to determine who really are the barbarians.

It's a weighty topic and a play which does not immediately strike one as being very accessible. Staging this does not seem a wise step for a company in financial crisis. The reality of the play is



somewhat different. Although the inevitable themes of coming revolution and the arrogance of the aristocracy are there, this new translation brings the more immediate theme of cultures in conflict that is relevant today, and will be for the foreseeable future. Backed up with some superb ensemble playing, from which Louise Jameson (Best known for *Dr. Who* and *Bergerac*, but with great theatre experience) shines forth, bringing a pivotal and unusual character from a potential cliché to a powerful but subtle motive force.

The result? A compelling, even enthralling, three hours, at least as enjoyable as the current crop of Shakespeare in the Barbican, and well worth the fiver at student standby prices.

*Barbarians* is playing in repertoire in the Barbican Theatre, part of the Barbican Complex. The nearest tube station is, unsurprisingly, Barbican. Arrive at the ticket desk half an hour in advance for Student Standbys, waving your brand spanking new Union Card.

**Adam T.**

# Bad Influence

I don't mind admitting that I fully expected to loathe *Bad Influence*. Why? Well, firstly, it is apparently a buddy movie, and secondly, it stars Rob Lowe, star of such immortal classics as *Oxford Blues* and *Class* (in which his co-star had his way with Jacqueline Bisset) and of course that other unofficial motel-room classic in which Rob Lowe 'starred' with an underage girl.

This film starts in familiar buddy movie territory—successful yuppie Michael (James Spader) with the right job, the right fiancée, the right car, and the right future is saved by handsome loner Alex (Lowe) after a macho brawl in a seafront bar. Yes, that old scene again. The inevitable progression sees Alex introducing Michael to his fab and groovy lifestyle—weird Los Angeles nightclubs, even weirder women—and to his philosophy of life, which increasingly reveals itself to have a very dark, cunning evil streak.

At first, Michael is quite happy to go along with Alex's schemes, since he manages to score points off his rivals at work and has a very good time with a lady who is definitely not his straightlaced WASP fiancée. Obviously Rob Lowe has learnt the power of video cameras, since he takes footage of Michael in action and uses it to devastating effect to terminate the engagement. Gradually, Michael realises that this situation is becoming dangerous—but by now it is too late: he has joined in an armed robbery and a few other things beside. Here the film really gets interesting because it departs from the normal well-worn path of the buddy movie as Alex and Michael slug it out increasingly deviously and gruesomely.

The film is genuinely exciting; you really don't know how it is going to finish, as Michael's latent cunning is tested to its limit by Alex's cruel strategies. David Koepp's strong, albeit

somewhat far-fetched story, is helped by Curtis Hanson's sharp direction in a moodily lit night-time Los Angeles, but of course all this would be as nothing if the performances were not up to scratch. James Spader showed in *Sex, Lies and Videotape* that he can act and this is another strong, thoughtful performance which will certainly do his career no harm. However, the real surprise is Rob Lowe, who in previous films has demonstrated all the charisma of a brown paper bag. His performance here is mature and assured, playing the difficult character of Alex with smooth charm that barely conceals the menace lurking below the surface. In fact the whole film, excepting the slowish start, almost crackles with tension, although there are a few laughs on offer to season the recipe. If you are planning to go to the flicks soon you would be well advised to put this near the top of your list.

**Michael Kirsch.**



REVIEWS

## The Guardian

Have you ever been looked after by a babysitter? Did he or she steal you away to be sacrificed to an evil tree only to be snatched back just in time by your parents? No, I thought not. Whilst most horror movies stretch your credulity, this flick takes it to the limit.

The adverts speak of druids and fights between good and bad but this has nothing to do with the film, being more involved with a woman who is the material extension of the evil tree's spirit (a dryad). No druids and no spectacular fights between trees.

After a sacrificed baby, the film starts slowly with the selection of the babysitter. Since the baby must reach a certain age before it can be sacrificed, the film concentrates on how nice the parents are. Only in the second half of the film is there any action, mostly concerning flying leaves.

A scene involving potential muggers gives the tree a chance to kill a few



people with maximum on-screen violence. This paves the way for the sacrifice and the defeat of the evil tree. This is handled well, with the best effects of the film.

It is a pity that these effects did not penetrate further into the film since the suspense is adequate but could have been improved with more FX. Overall a second rate thriller/horror movie but good for mild entertainment.

**Toby Jones**

## Total Recall

This book is so awful that I have no idea how Mr Anthony can put his name to it. What seems to have happened is that the script for the film was given to him so that he can add bits, and then they market the result in the hope of making even more money.

There is no plot—those of you who have seen the film will know exactly what I mean! The extra parts are very fragmented and hard to understand, something about mutant ants making the sun go nova if we are bad?

If you are into mass murder and maiming you will be more than satisfied, although the descriptions are a bit tame.

Nothing to recommend and if you have seen the film reading the book will only confuse you.

**Ian Hodge.**

## Extraordinary People

'Idiot Savant' is the technical term for people who have brain damage or a mental problem. Yet have an ability that would be extraordinary in a 'normal' person. From amazing musical talent to calendar calculations they show that the normal idea of 'intelligence' is very narrow.

This is a book of two halves, initially an interesting and informative account of one of life's great mysteries which is followed by what seems to be an extract from a medical journal. This spoils what

would otherwise have been a marvelous book, but even so it is still far better than the average documentary-style book.

He does bring up some very interesting points—most of the savants have exceptional memory which he suggests that it is more an inability to forget.

Included are three detailed accounts of savants which tell the true story rather than the 'wonder-boy' image that is promoted in the press. Reading about these people made me stop and think about the way we should treat people

that have mental difficulties, instead of locking them away as we do far too often. There is much that we can learn from them.

It is written in friendly and informative style that makes most of it a joy to read. When you move into the more technical 'why does it happen' sections the style remains but the subject matter does make things a bit tough.

Well worth reading.

**Ian Hodge**

# Tackhead

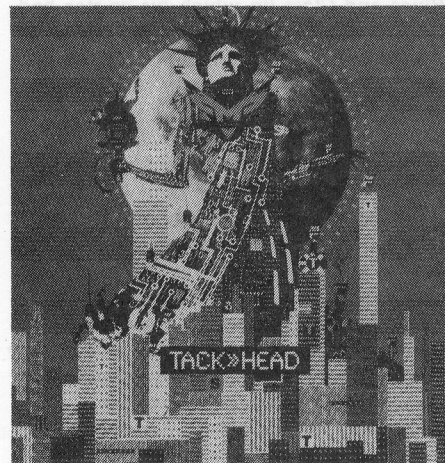
Strange Things LP

The original *Tackhead* sound was unique: a gloriously noisy mixture of industrial style percussion and clever sampling, pushing technology to its limits to criticise a society obsessed with technology. More recent work has shown a diversification of their style, including elements of dub and a generally more funky sound. *Strange Things* continues this but takes it too far, giving the album a much more mainstream dance feel; tracks such as *Wolf In Sheep's Clothing* and *See The Fire Burning* veer too much towards the easily accessible and become simply unmemorable. There is a general lack of the strange things that the title promises; indeed, the title track is a particularly mundane soul ballad with none of the creativity that previously made *Tackhead* so distinctive. Within this style, however, some tracks are quite successful. *For This I Sing* is a particularly eloquent song on the quality of patriotism in time of war,

an old theme done here in a fresh fashion. Whereas in previous *Tackhead* efforts there might be too much of an emphasis on including all samples available on a particular subject into a themed song, here the balance between groove and vocals is just right. Adrian Sherwood, credited as 'sound designer' manages to harness the raw *Tackhead* noise so that it manages to harness the vocals effectively. Political songs were always *Tackhead's* speciality: here, the list of topics were always *Tackhead's* speciality: here, the list of topics covered ranges from sex'n'drugs through to big business. *Dangerous Sex* makes the connection between sex and money and this power in an realistic way. Change recognises that revolution is NOT just about to happen. As a whole, this record lacks excitement and originality, almost as if the group believes that by making duller tunes they can get more airplay.

Not so. Only the last track, *Positive Suggestion*, has the creative freshness that is *Tackhead's* talent; this is what they should be developing.

Some Fresher in Beit Hall

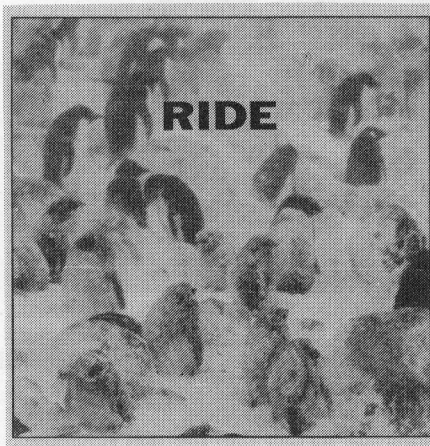


# Ride

Fall EP

After the disappointing frivolous blandness of the second EP, *Play*, *Ride* have burst back to the fore to regain their proud status of the guitar hope for the decade. The first track, *Dreams Burn Down*, is their masterpiece remembered even from their earliest gigs and now still more magnificent with age. It glistens and spears with dreamy tears of sheer pleasure. Within seconds, Taste bounces in with more hair and energy than ever, but who are they trying to fool with those false London accents? Over on side 2 (or side 1 on the CD for all you rich kids out there), *Nowhere* features a chugging harmonica, which is obvious really, since the song is about a train. No sign of the blues here though as *Ride* reach their peak of bliss with the softly screaming *Here And Now* laced with feedback and flange. It's wondrous.

SJH

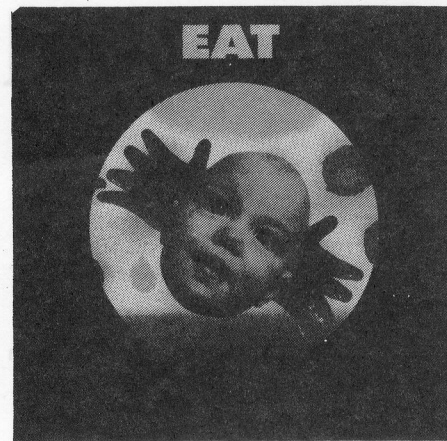


# Eat

Psycho Couch 7"

*Eat* are the sort of band that never quite got going in the 80s but lingered on to attack the 90s. In this context, their slightly dated sound actually appears refreshingly novel. On *Psycho Couch* they play a toughened bass, all the more demanding for the dischords, heightened by the jaunting rhythm and guitars all tamed by the voice of .The whole is a hauntingly stirring variation which has the right to be blasted full power through octophonic stereo for total appreciation. For a similar effect, simply tape yourself to the underside of the corkscrew rollercoaster. The double-A (yet more indecision) is a more up-tempo rock of slides and screams and slow splendour, continuing where the last left off. This is not stuff for the faint hearted. *Eat* dramatically show how to submit to today's dance rhythm trends and blight them into space.

SJH.



# Anthrax

Persistence of Time LP

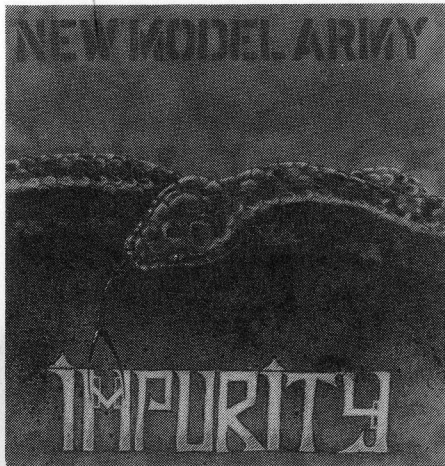
The music on this album is as mechanical as any pop song while stylistically having moved towards heavy metal and away from their previous punkish thrash style. It's really repetitious and boring. What's more *Anthrax's* lyrics have lost their bite. They don't seem to be trying to see what the causes of social problems really are (eg racism) so much as complaining about the symptoms. The band only concentrate on the handing down of prejudice over generations without reference to how the media stoke it up in the interests of the

rulers. They once campaigned for the idea of freedom for everyone but now they seem to think we already have it. Perhaps they no longer live among ordinary people and are getting their ideas second-hand from the press. Musically and lyrically, this once-great thrash band have almost run out of ideas, but not quite. One line in the chorus of *H8RED* stands out: 'Different but equal...' It's a concept worth hanging on to.

Jason Pike.

# New Model Army

Purity LP



The Army marches on with a new lineup, a new tour, and a new album, *Impurity*. The cover art-work and photos are all typical NMA, beautifully done in mauve by Joolz (she of the red hair and tattoos). Cackling laughter echoes out of the speakers and NMA fly into *Get Me Out*. This is classic NMA. For the uneducated, NMA call themselves 'folk-rock', wear clogs and use loads of Celtic images. The noise they produce is referred to as a 'light metal roar' with hard-hitting vocals by *Slade the Leveller*. ALL their songs involve political / social statements. About half the album is predictable NMA but in amongst it all, *Space*, *Purity* and *Bury The Hatchet* provide a much more acoustic and folkly

sound. *Space* is brilliant and features Joolz (the punk poet). *Bury The Hatchet* says something about the new East-West relations and *Luhrstaap* gives NMA's view on a united Germany. In *Purity*, *Slade* even questions if NMA's ideals are pure and righteous. If you are a virgin (to it all), have a listen, you may well like what you hear. NMA play the Town and Country Club on October 24 and 25. If you are a follower, it's fantabidoosy and NMA are slowly changing.

Colin Toombs.

# Fields of the Nephilim

Elyzium LP

Black clouds obscure the sun and the stormy neo-classical and awesomely smoke-wrought (*Dead But Dreaming*) heralds the *Neph*s finest achievement so far. The whole album is a single complex piece, reminiscent of *Marillion's Misplaced Childhood* in structure, but infinitely more evoking and full. The first fights straight into *For Her Light*. Now in its true context, the single booms out with more strength and accusation from the mythical start. Then, just as you thought it was safe to cower back to the trembling speakers, Carl McCoy's voice indites you as you flee back from the magnificence.

For the first time, all the lyrics have been published and read, as the music, in one long flowing monologue, a pendulum between emotion and mystique. To read the lyrics alone acts as sacrilege, as alone they may be coined as cliché. In fact, they jump and soar through the intricately powerful guitars, perfectly

complimented by the wandering bass and inevitably complex drums to conjure a deeper experience.

The delicate majesty of *At the Gates of Silent Memory* is balladic but not subdued until memories switch into play to startle



the pace to a full bolt. This is a creation, not a composition, as the pure harmonic melancholy of the guitar slices out.

Through (*Paradise Regained*) is reached the eerie simplicity of *Submission* which grows to a frenzy of darkness and demonic dynamics before subsiding back to stillness. The moment is passed.

Touches of *Pink Floydian* guitars seep into *Sumerland* and then on with the driving of *Psychonaut* but far further refined and varied now, and employing more subtleties than ever. The whole masterfully capped with the tingling beauty of *Wail of Sumer* which slides imperceptibly into the final majesty of *And There Will Your heart Be Also*.

This genius provides an hypnotic experience which creates a frame of mind totally incompatible with the frivolity of everyday existence. Completely compelling.

SJH

# The Cure

Never Enough Single

Bob! What are you playing 'at? This dancey track is a comedy of all that *The Cure* are known for by those who don't know them. *The Cure* mix dance and rock and come up with more than enough. Loyal fans will probably be shocked, but the charts should love it. After the immense success of *Disintegration*, *Robert Smith* vowed to end *The Cure*, only to be hounded for more by his disciples. The entire song is a protest of his inability to quit while the going's good, all set to some of the popiest music yet written. Like *Let's Go To Bed* before it, *Never Enough* tries to

destroy all that *The Cure* stand for in their fans eyes and in attempting to destroy, he ends up with a hit—jammy sod. It was apparently written on the tour coach en-route to Glastonbury in June! The flip features *Harold and Joe*, a definite dance track and may well get more air-play than the A-side. It's an inspiration to the uninspired and almost ends several times in a sigh and completely nothing. If only someone would mention what *Harold and Joe* have to do with it except rhyming with 'Go go go'. As if to rub wounded Cure bastions with salt, the 12" end with a totally out

of space club mix of *Let's Go To Bed*, the track written to destroy *The Cure* back in 1985. This is definitely a quick, non-sense chart onslaught, and will undoubtedly be a hit.

SJH.



Roland Flowerdew and Sarah Harland report on the trade flying display from Farnborough this year...



# Farnborough International 1990

Every two years, a quiet airfield in Hampshire comes to life for a fortnight as it hosts the world's largest trade airshow: Farnborough International. The peace of the area is shattered as aircraft fly in and start rehearsing their displays, which aim to demonstrate how much better they are than the opposition since the clinching of major deals can depend on how well a particular aircraft is flown.

Despite its huge commercial significance, most members of the public come to Farnborough to marvel at the air displays, flown by some of the best pilots in the world. Although aircraft are pushed to their limits, each display is strictly controlled and must be approved before the airshow itself takes place. Farnborough is a show of superlatives, and this year, as ever, no-one was disappointed.

Flying began with the McDonnell Douglas MD530N NOTAR helicopter, making its airshow debut. NOTAR, standing for NO Tail Rotor, is a completely new system replacing the conventional tail rotor. An internal fan is used to pressurize the tail boom, controlling the torque by ducting the air through slots. (The system has recently been described in detail in *New Scientist*.) Advantages of NOTAR include low weight, lower noise, less vulnerability, higher manoeuvrability and lower pilot workload than associated with tail rotors. These were shown to the full as the pilot put the helicopter through a punishing and impressive routine that included loops and rolls.

Aerobatic basic trainers were in abundance this year: Slingsby T67M-200, ENAER T-35 Pillan and Namcu, Shorts Tucano, Pilatus PC-9. Each of these gave a crisp display, but when the nth trainer starts its display, eyes tend to glaze over and minds switch off, unless you are about to buy one.

There were also plenty of advanced trainers to be seen. The Rhein Flugzeugbau Fantrainer 600, flown by aerobatic champion Walter Extra, from Germany, caused more than a few frayed nerves, pushing aileron control demonstrations to the knife-edge, and landing on an approach path greater than 60 degrees to the runway. The aircraft has a single ducted fan openly housed behind the pilot, leaving the forward fuselage free thus providing compactness and high cockpit visibility. From Argentina, the FMA Pampa is a neat and simple design, with high reliability and low maintenance. It has a straight, super-critical wing (ie configured for low drag and high maximum lift etc) and is very stable at low speed aileron control, shown from knife-edge to knife-edge. The IAV IAR-99 Soim is the first ever entirely Romanian designed and built aircraft to perform - even the Rolls Royce Viper is assembled there. It is a conventional jet



McDonnell-Douglas CF-18 Hornet

trainer cum light attack aircraft, but still achieves 7000 ft/min climb and 520 mph at sea level on maximum take-off weight.

Once again, the flying bug, the Optica demonstrated its ability as a low cost helicopter substitute for surveillance. The low noise and low vibration make it an ideal camera platform, with an eight hour endurance surpassing that of helicopters. The Optica has had a chequered history, with the factory being burnt down, the manufacturers going bankrupt and so on, but now current owners Lovaux Ltd are hoping to sell up to 100 a year for policing, coast-guard patrol, pollution monitoring and power line surveying.

Westland provided a dramatic display with the EH101, Black Hawk and Lynx 3 helicopters. The EH101 was displayed in civil helicopter variant, offering a true VTOL capability useful for oil-rig support and inner city work. The Black Hawk display began with a light strike gun lift, but then stunned the crowd by its agility, with an 80 degree rolling dive and sharp rolling turns. The Black Hawk has good serviceability and an all-up weight of 22,000 lb resulting in a versatile and lethal assault aircraft having the ability to win and hold ground with 19 troops and 8000 lb external load. The Lynx 3 is used in an anti-submarine role by the Royal Navy, and has the unusual ability to pin itself onto a ship's deck using its negative thrust rotor.

In comparison to the Black Hawk was the Agusta A129 Mangusta, another low-profile helicopter designed for air-to-air combat and reconnaissance. It can carry up to eight TOW missiles, and has a unique on-board computer management system. With twin engines and 2.5 hr mission endurance, the Mangusta is an agile and formidable opponent, mission effective in all weathers.

British Aerospace (BAe) started its display with the two new Hawk versions, the 100 and 200. The 100 is a two-seater

as in previous versions, but has state-of-the-art avionics. The 200 is a single seat dedicated fighter, again with advanced avionics. Both aircraft displayed the manoeuvrability and effectiveness associated with earlier Hawk variants. Following the Hawks was an old favourite, the Tornado GR1. Still a head turner, this strike two-seater seemed just as happy inverted as in normal attitude, and also proved very agile with wings in fully swept position. Particularly impressive was the way the pilot accelerated around a 360 degree turn whilst maintaining a constant radius. The landing run is surprisingly short, utilising powerful reverse thrust.

One of the highlights of this year was the six aircraft display of the Harrier GR5 from No.1 Squadron on the 30th anniversary of the Harrier and VSTOL flight. The GR5 is the latest variant of the Harrier, being developed jointly by BAe and McDonnell-Douglas. It will carry either the same load twice as far as the GR3, or double the load the same distance. It has sold to both the USA and Spain, and has a much-reduced workload for both pilot and ground-crew.

The aircraft demonstrated their versatility in a beautifully choreographed display incorporating vertical take-offs, and short take-offs from both concrete and grass. Two opposition 360 degree turns at 120 and 350 kts proved manoeuvrability at both ends of the speed range, important in the approach to carrier decks and camouflaged strips. The display included high speed ground strikes and explosions before a synchronised hovering nod and pirouette before returning to the ground.

BAe continued its display with aircraft from its civil division. After the roar of six Harriers hovering 100 ft from the crowd, anything would seem quiet. Quietness is now a very important consideration for civilian aircraft,

particularly those expected to operate over cities at night, and the BAe 146 is among the quietest aircraft in the world. This aircraft was the subject of a massive promotion, with three examples at Farnborough. The 146 is a regional four-engine jet STOL airliner with advanced wing and high bypass turbofans, and it seems likely that it will be allowed to fly from London Docklands airport soon.

Flying in Pan-Am livery was the BAe Jetstream Super 31. This pressurised turbo-prop commuter biz-jet, boasts a high degree of comfort, and has made its biggest breakthrough into the notorious American market. The advanced aircrew design gives low noise and high efficiency. The ATP also has very advanced aircrew design, and is capable of using jetways at regional airports. It too is very quiet.

Last from BAe was the 125-1000, the latest development of the 125. It should continue the 125's success, on average one has been delivered every nine working days since 1964. The rear fuselage has been reshaped, giving less aerodynamic drag and more fuel storage. The 1000 carries six passengers with low fuel consumption. So far nine have been ordered.

The Dornier Do228, a square-fuselage 19-seater, or freighter has a bat shaped advanced wing, resulting in incredible STOL performance: it seemed to be in the air from take off before it even started rolling. It can fly at exceptionally slow speeds - instead of taxiing down the

runway it flew - and is remarkable manoeuvrable given its size.

A revitalised oldie displayed: a BAC 1-11 re-engined with Rolls Royce Tays. This upgrade dramatically reduces the noise levels, and provides better performance for less fuel. The 1-11 airframe is now built in Romania, and this new version should prolong the life of the airliner. Smaller, but distinctive, the four-seater CMC Leopard made its flying debut as a prototype here. It is a very compact aircraft, powered by two Noel Penny turbojets that look small enough to fit under the bonnet of a Rover Metro. With max cruise of 500 mph at 45,000 ft, weight 1900 lb, the Leopard should be on sale by 1994 for just under one million US dollars. Another debut, the Embraer CBA123 from South America had only flown 35 hrs before the show. This light regional airliner has two pusher Garrett TPF351-20 turboprops, also brand new. The fuselage is developed from the Brazilia, and has a very high aspect ratio super-critical wing. It can carry 19 passengers at 400 mph for nearly 700 miles.

The Lake Turbo Renegade presented another unusual shape to the air world: it is an amphibian with a pusher prop mounted over the wings. It carries up to six people, designed primarily for pleasure use. It was flown by the first female pilot to display at Farnborough.

As always, fighters featured on the Farnborough menu. Dassault demonstrated the Alpha Jet 2, and two

versions of the Mirage 2000, intended to fill the gap before the Rafale is introduced. General Dynamics showed its F-16A Fighting Falcon, and McDonnell-Douglas its CF-18 Hornet twin-tailed multi-role fighter. The CF-18 shown was from the Canadian Air Force, and has a cockpit painted on the underside of the aircraft to confuse potential attackers.

The Soviets displayed some of their aircraft that have only rarely been seen in the West before. Mikoyan displayed the Mig-29, a small but powerful fighter. It has an initial climb rate of 65,000 ft/min, 13,000 mile range and max speed of Mach 2.3, and all this from a manual hydraulic control system. Sukhoi displayed its Su-27, similar in shape to the Mig-29, but larger and with a fly-by-wire control system. Both these aircraft gave very impressive displays, including the famous tail-slides, and 'Cobra' manoeuvre, where the stick is snapped back, putting the aircraft into a vertical attitude, before dropping back down and continuing in level flight.

The aircraft that could not be missed was the Antonov An-225 Mriya, the largest aircraft in the world. With a maximum payload of 250,000 kg and six engines producing total static thrust of over 300,000 lbs, to say that this aircraft is impressive is understatement. It only flew a few times during the airshow, because the Soviets could not afford the fuel at Gulf-inflated prices. The An-225 used nearly all the runway to get airborne, but when it did finally leave the ground, the display was awe-inspiring with nimble turns and bank angles approaching that looked far too close to wing-over for safety. Few people will forget the sight of this huge aircraft coming down on finals, dangling 32 huge tyres, and then the cloud of smoke as the wheels accelerated on touchdown.

The Red Arrows gave their usual polished display, including a new manoeuvre for the syncro pair. In the 'Revolver', both aircraft, flying very close on a low pass, simultaneously roll through 360 degrees. In the same aerobatic vein were two dramatic aerobatic displays, one from the Extra 300, the other from the Marconi LO.100 Gliders. The Extra 300, designed, built and displayed by Walter Extra, is capable of far more than any pilot can take. In contrast, the gliders presented their unique and silent display. The two aircraft fly very close, all the more risky when there is no power to pull away from a collision, more so when one flies inverted above the other as if there were an airborne mirror between them. The gliders gave a soothing finale as traders and public returned to join the traffic queues which are themselves so much part of the air show for the local residents.



Chichester Miles Leopard



The fight is on for your money...

# High Street Hookers

Inevitably you came away from Freshers' Fair laden with leaflets. Somewhere among that lot are pamphlets from the high street banks telling you how caring they are and exhorting the many wonderous goodies that could be yours...don't you believe it. The banks have not changed overnight, they just have to try harder to prise your precious grant cheque from your grubby hand.

It is still possible to obtain a student

account if you do not receive a grant or parental contribution, but a one-off cheque may be needed. Second or third year students can still obtain student overdrafts but are not entitled to the free offers.

Use the table below to compare the offers available. Don't forget that Midland and TSB cards can be used in the NatWest cash-point on the second floor of the Sherfield Building. Other banks can

be found at South Kensington, Gloucester Road, High Street Kensington and near Harrods (it's possible to cut through the back streets to Harrods via a small passage at one side of Southside).

FELIX recommendation: Midland's offer looks good but we have no information on how easy it is to obtain a loan from any of the banks—you'll have to speak to the managers concerned yourselves.

BANK	FREEBEE	OVERDRAFT	AFTER UNI	EXTRAS
<b>Barclays</b>	£20 cash or £30 music voucher (Our Price)	£250, interest free	£2000 loan at 2.5% above base rate	No charges. Interest on current account. Connect card
<b>Lloyds</b>	Young Persons' Railcard Commission-free currency and travelers' cheques Eurocheque card	£300, interest free, 15.3% above that	£2000 loan at preferential rates. Free banking. 7% interest on credit	Free banking. 7% interest on current account. Insurance. Access card (£250 limit)
<b>Midland</b>	£25 cash and free student coach card (worth £5). Commission-free foreign currency and travellers' cheques.	£300, interest free	£1000 overdraft that can be converted to a loan repayable over two years	Free banking, interest on current account, insurance and student adviser. Access card with £250 limit. Can use Natwest cash-point in college.
<b>Natwest</b>	£30 cash	£300, interest free	Loans for MBA courses	Largest number of branches on or near campus (cash-point on second floor of Sherfield building). No bank charges and a student adviser. Access card available.
<b>Royal Bank of Scotland</b>	£25 cash or £50 music voucher (HMV)	£300, interest free	Nothing	Interest on current account, no bank charges and commission free exchange for currency and travellers' cheques.
<b>TSB</b>	Nothing	£250, interest free	Nothing	5.5% interest on current account and telephone banking service. Can use Natwest cash-point in college.
BUILDING SOCIETIES	FREEBEE	OVERDRAFT	AFTER UNI	EXTRAS
<b>Abbey National</b>	Personal Organiser	Preferential rates on agreed overdrafts	Nothing	No charges. Interest on current account.
<b>Halifax</b>	Nothing	By arrangement	Nothing	Interest on current account. No charges. Home banking.
<b>Nationwide Anglia</b>	Nothing	By arrangement	Nothing	Flexaccount gives interest with no charges. Home banking.

# Swimming & Water Polo

So the weather's cooler—so what, you still get to rip off all your clothes in public! Where? At the IC Sports Centre every Monday and Friday evenings between 6.30 and 9.00pm. What's the occasion? None really, it's just what we like to do! And no, we're not exhibitionists, it's just that clothes make what we do harder! It makes what harder? Getting wet, dummy! Twice a week the IC Swimming and Water Polo club get naked (well almost) for a total fitness workout. So, if you've got any flabby bits that could do with being toned up, tightened or just in need of a lift (ladies!), come on down.

At each training session, participants are put through a schedule aimed at continuously improving their performance. The atmosphere isn't serious—rather more relaxed and convivial, since it's only for fun. There's no pressure—we just encourage you to try and do a bit better every time you come along. So why not give it a try? Remember that swimming is the only true means of achieving a total body workout (aerobics sucks!). So come for a swim once or twice a week between 6.30 and 7.30pm.

## ICYHA

Three weeks of uncharacteristically settled Highland weather contributed to a successful Scottish summer camping/walking tour, which took in areas of scenic grandeur such as Glencoe, Loch Torridon, Sutherland and Cape Wrath. For those with the will and the legs to match, staggering up the nearest mountain was one means of escape from the forced attentions of the local midge

## FilmSoc

Next Thursday's Filmsoc presentation is *When Harry Met Sally*.

The film charts the relationship between Harry Burns (Billy Crystal) and Sally Arbright (Meg Ryan). They first meet in their college days when they find they each have differing views on life, sex, the universe and everything.

They part as enemies but find that as the years pass they slowly become more tolerant of each other and eventually they become the best of friends.

The film is best remembered for the classic deli scene in which Sally convinces Harry that women are capable of faking orgasms by doing just that while eating lunch.

The film is the first in the Filmsoc season which will be shown in Mech Eng 220 at 7.30pm every Thursday. Admission is free for new members of ICU Filmsoc and £1.50 for non-members.

Then if you've got any energy left, stick around and join in our 'Balls and Rubbers' session. Kinky? Not at all—it's just Water Polo, and it's not for the faint hearted! Both men and women are encouraged to join in and give this most strenuous sport of all a try. After swimming, between 7.30 and 9pm, Mondays and Fridays coaching takes place for external (to College) competitions, after which most evenings are concluded by a quick friendly (sic) game. So if you're good with balls (irrespective of which anatomical appendage you use), are confident in the pool and feel like giving one of the most social clubs in College a crack, come along and give 'the game' a go.

For those of you intent on joining for the year, membership fees are currently £6/annum for students, AIFS etc, and £12/annum for staff/public etc. To join either come along to any regular club session or for the next two weeks only, come to the upper Southside Lounge on Mondays between 12.30pm and 1.30pm. Remember to bring not only your subscription fee, but also a passport-size photo.

population. However, the lure of the inviting secluded beach generally proved inexorable on occasions when the heat rendered both legs and will-power inoperative.

Details of this term's events can be had at our regular Thursday meetings (12.30pm in Southside Upper Lounge) to which all are welcome.

## Wing Chun



The Wing Chun Boxing Academy again had a very successful year in the 89/90 season. Excellent tuition was given personally by Master Sofos throughout the whole year and this was reflected in the very high standards the students reached in just one year. The quality of the equipment and apparatus used by the students was maintained, ensuring that the Academy remained one of the best martial arts clubs in Europe.

The Academy also had a very busy year with a full diary of events including advanced Kung Fu seminars and a winter camp. The winter camp was a great day out for all with the outdoor training, barbecue and the famous assault course! However, the highlight of the year was the charity show, 'A Night of Magic—The Master'. This spectacular event was the first of its kind, a live martial arts show, and was created and directed single-handedly by Master Sofos. Many of the students took part in the show and they will never forget the thrill of performing their Kung Fu in front of six hundred people. The show was a complete success and in the end it helped to raise over £2000 for charity.

Now we look forward to a new season which promises to be just as active and enjoyable as the last. We are always eager to help new students who are intrigued by the beautiful and highly practical art of Wing Chun Kung Fu, so if you're interested in finding new meaning and strength in your life or just an effective form of self-defence, then come along and see us at the Freshers' Fair, you've got nothing to lose!





ICSF

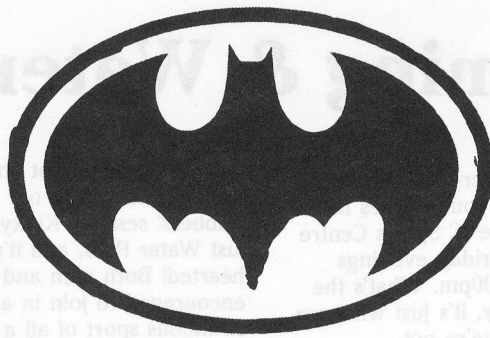
## presents the film Batman

Over a year ago, one of the most hyped films of all time was made. *Batman* restarted a trend in films based on comic strips, continued this year with *Dick Tracy* and *Hardware*. No expense was spared. The film featured three of Hollywood's most popular stars (Michael Keaton, Kim Basinger and Jack Nicholson), a soundtrack by Prince, and spectacular effects.

The film tells the story of a murder of Bruce Wayne's parents and his transition into 'Batman', crime fighter extraordinaire. The Joker (Nicholson) was chosen to be Batman's (Keaton) adversary. The makers broke with tradition though by changing the car into an armadillo, and wiping the Boy Wonder out of the script entirely.

Nicholson's acting was disturbing as usual, and Keaton manages to convey both the vulnerability of Bruce Wayne and the quiet efficiency of Batman with equal panache.

*Batman* will be shown by icssf on Tuesday 9th, 7pm in Mech Eng 220.



## ULU Gay and Lesbian

For some lesbian and gay students new to London, the wide range of gay clubs, pubs and discos in the capital can seem an exciting terrain waiting to be explored. But for most gay people especially those who have yet to come to terms with their sexuality, the prospect can appear intimidating. The London University Lesbian and Gay Society is run by, and for, students and we are always happy to welcome new faces along to our weekly meetings. Sometimes we invite well-known speakers to talk about issues of concern to the gay community; last year we welcomed many such speakers, including Derek Jarman (film producer), Matthew Parris (the Tory ex-MP) and David Fernbach (Director of the Gay Men's Press). On other occasions we show videos, or organise outings to restaurants

and pubs. Most importantly, however, our group offers you somewhere you'll be able to meet and chat with other gay students from all over London.

On the schedule for this term is a speaker-meeting with Britain's only gay MP, Chris Smith, and a discussion evening with Peter Tatchell, the campaigner on AIDS-related issues. This coming week we hope to be joined by Michael Cashman, the actor who played Eastenders' gay character, Colin. This meeting will also be open to non-gay students.

We meet each on Thursday evenings at 7.30pm in Room 2D at the University of London Union, Malet Street, London WC1. For further details, you can contact me direct on ext 6779 here at Imperial.

**Michael Phillips, Treasurer.**

## Finance, Business & Investment (FBI)

A brief flick through the College Alumni directory is likely to be more than a little daunting—directors, executives, senior managers, entrepreneurs and consultants abound—responsible and influential people working for a diverse range of major institutions such as Merrill Lynch, ICI, Prudential, Citicorp, Arthur Andersen & Co etc etc, who have all graduated in various disciplines from Imperial College.

Yet how many of the aspiring workers among us think of themselves in this light? Similarly, if you say that you can read this morning's edition of *The Financial Times*, *The Investors Chronicle* or *Business* magazine with something approaching a smooth comprehension then you are in the minority again and I've never met you. If, however, you could sustain an intelligent and informed conversation on some aspect of finance, business or investment then you are an endangered, if not extinct, species. Do you strike yourself as the sort of person who has demonstrated an interest in and knowledge of an area of employment that you are quite possibly destined for? (If not, prepare yourself for painful interviews and tough competition for the best career opportunities.)

Hence, the Finance, Business and

Hence, the Finance, Business and Investment Society at Imperial College. Our most important aims include getting people interested in, and absorbing the facts, concepts and current issues in as stimulating a way as possible. The hope is that by participating in the Society's activities you will begin to build a familiarity and understanding of the world of finance, business and investment, that will serve you in many ways in the future, even if you do not work in these areas. You may discover an opportunity to develop your potential in ways that have not occurred to you—a project with the management school, an interview with the director of a company, a summer placement at a business school, an article or survey in our magazine etc.

If you are one of those rare students with an appreciation of these areas or just enthusiastic and willing to contribute then get in touch with us—there's loads of interesting stuff to do!

The first event will be on **Tuesday 9 October at 5.45pm** in the **Mathematics Department room 410**. A company called 'Financial i' will be showing the first of three films in a series entitled 'UK equities', which assume no prior knowledge and are pitched at an

elementary but progressive level. Topics covered in the first part will include 'What is a Share?', 'The Securities Market', 'Mergers and Acquisitions' and much more. The following two films deal with 'Brokers', 'Bulls and Bears', 'Unit Trusts and Investment Trusts', 'The FTSE 100', 'The FT Actuaries', 'Gross Dividend Yield', 'The 30 Share Index' among many other subjects. Companies and professionals using Financial i's training material include Banks, Accountancies, Securities Houses, Lawyers and Fund Managers in over 40 countries worldwide. Those interested in the vacant committee posts should attend the first event.

Our second event, 'How to read the Financial Pages' is presented by Terry Byland, the *Financial Times* author of 'Understanding Finance With the *Financial Times*'. All attending will be presented with a copy of *The Financial Times* to be used during the session. Come along on **Wednesday 17 October, Maths Room 410 at 12.45pm**. At the end of this event, names of those interested in *The Stock Exchange Investors' Club* (details in the *FB Eye*—the Society magazine) will also be collected.

So, we look forward to meeting you soon at the FBI Soc.

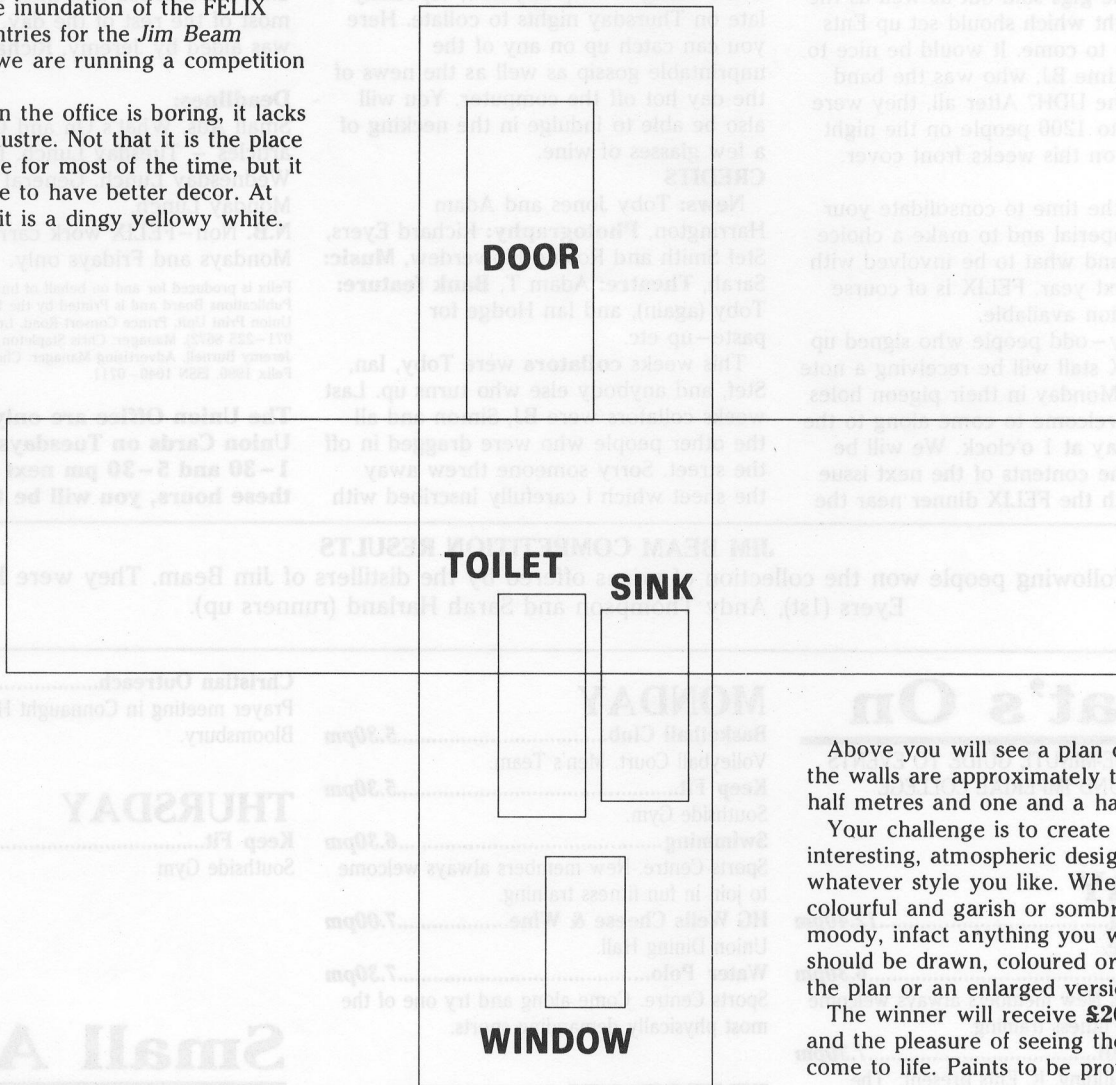
# Toilet Competition



PRIZES

Following the inundation of the FELIX office with entries for the *Jim Beam* competition we are running a competition of our own.

The toilet in the office is boring, it lacks interest and lustre. Not that it is the place that we reside for most of the time, but it would be nice to have better decor. At the moment it is a dingy yellowy white.



Above you will see a plan of the toilet, the walls are approximately two and a half metres and one and a half wide.

Your challenge is to create an interesting, atmospheric design in whatever style you like. Whether colourful and garish or sombre and moody, infact anything you want. Entries should be drawn, coloured or painted on the plan or an enlarged version.

The winner will receive **£20 in cash** and the pleasure of seeing their design come to life. Paints to be provided by us.

## Rant Reply

Dear Chris,

When reading the 'RANT' column in the freshers' issue of FELIX, it occurred to me that the author had forgotten two very important IC stereotypes.

The first of these is the 'commuting' IC student. Usually residing at one of the intercollegiate halls of residence, the commuting student can often be seen disappearing into the depths of South Kensington tube station. Their distinguishing feature is the smug smile worn by someone who knows that they can escape the IC campus at will. A favourite topic of conversation for the commuting student is 'other colleges wot I have partied at'.

The second, and much more noticeable, of these forgotten stereotypes is a variation on the 'enthusiast'. Generally

known as an 'IC Knocker', this beastie can most frequently be found inhabiting the letters page of FELIX. The object of a knocker's enthusiasm is his total lack of enthusiasm for anything vaguely related to IC. He pursues his cause with all the dedication and fervour that can be expected from a true enthusiast and, like all true enthusiasts, he has a one track mind when it comes to conversation. Indeed, he feels that he cannot tell you enough times what a mistake you make in coming here. Of late, knocking IC has become something of a religious cult, the two sacred commandments of which are:

- i) Thou shalt not like IC (not even a little bit).
- ii) Thou shalt spread the word of the true awfulness of IC to all who would hear the

word, all who much rather wouldn't and all who sayeth 'Sod off you broing, manic depressive'.

So, the profile of IC life is complete. As I watch the last of this year's ex-freshers pack their bags and head for Nether-Wallop, I am left to wonder if I am the only one who still thinks that IC is a decent place to be. But, then again, I don't spend all my time there.

*Chris Holgate (commuting student in Elec Eng 2).*

It's a smaller issue than usual, this week, to allow both us and you to recover from Freshers Week.

## Ents

Both of the gigs sold out as well as the Comedy night which should set up Ents for the year to come. It would be nice to know sometime BJ, who was the band playing in the UDH? After all, they were seen by up to 1200 people on the night and appear on this weeks front cover.

## FELIX

It is now the time to consolidate your views on Imperial and to make a choice about who and what to be involved with over this next year. FELIX is of course the best option available.

The eighty-odd people who signed up at the FELIX stall will be receiving a note from us on Monday in their pigeon holes but all are welcome to come along to the meeting today at 1 o'clock. We will be discussing the contents of the next issue together with the FELIX dinner near the

end of this term. Any contribution is gratefully received.

FELIX is put together on Tuesday, Wednesday and Thursday although the background work is done all week round. Come along to help anytime, especially late on Thursday nights to collate. Here you can catch up on any of the unprintable gossip as well as the news of the day hot off the computer. You will also be able to indulge in the necking of a few glasses of wine.

## CREDITS

**News:** Toby Jones and Adam Harrington, **Photography:** Richard Evers, Stef Smith and Roland Flowerdew, **Music:** Sarah, **Theatre:** Adam T, **Bank feature:** Toby (again), and Ian Hodge for paste-up etc.

This weeks **collators** were Toby, Ian, Stef, and anybody else who turns up. Last weeks collators were BJ, Simon and all the other people who were dragged in off the street. Sorry someone threw away the sheet which I carefully inscribed with

the names of the late nighters. So you'll just have to come along and do it all again! But, both Stef and Sarah deserve an extra mention for their efforts as does Toby who made it all through the night until we finished and then carried on for most of the rest of the day. Distribution was aided by Jeremy, Richard and Hal.

## Deadlines:

Small Ads, What's On and Club/Society articles – Tuesday Lunch. Letters – Wednesday Lunch. General Features – Monday Lunch.

**N.B.** Non-FELIX work carried out on Mondays and Fridays only.

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**The Union Office are only issuing Union Cards on Tuesdays between 1 – 30 and 5 – 30 pm next week. Out of these hours, you will be turned away.**

## JIM BEAM COMPETITION RESULTS

The following people won the collection of prizes offered by the distillers of Jim Beam. They were Richard Evers (1st), Andy Thompson and Sarah Harland (runners up).

## What's On

AN UP-TO-THE-MINUTE GUIDE TO EVENTS IN AND AROUND IMPERIAL COLLEGE

### FRIDAY

**Rag Meeting.....12.40pm**  
Union Lounge.

**Swimming.....6.30pm**  
Sports Centre. New members always welcome to join in fun fitness training.

**Freshers' Ball.....7.30pm**  
The Union Building. IC Ents present: 'The Trudy' and 'The James Taylor Quartet.'

**Water Polo.....7.30pm**  
Sports Centre. Come along and join in one of the most physically demanding sports ever inveted.

**Christian Outreach.....8.00pm**  
15a Queensgate Terrace. Party—bring a bottle, if not loads supplied.

### SATURDAY

**Tiddlywinks.....10.30am**  
Organised by IC Rag. Meet CCU offices.

### SUNDAY

**Wargames.....1.00pm**  
UDH. All welcome.

**IC Kung Fu.....4.30pm**  
IC Kung Fu (Wu Shu Kwan style) invites all

**14** beginners and the rest to a post-lesson barbeque on Sunday. Class starts 4.30pm, Union Gym.

### MONDAY

**Basketball Club.....5.30pm**  
Volleyball Court. Men's Team.

**Keep Fit.....5.30pm**  
Southside Gym.

**Swimming.....6.30pm**  
Sports Centre. New members always welcome to join in fun fitness training.

**HG Wells Cheese & Wine.....7.00pm**  
Union Dining Hall.

**Water Polo.....7.30pm**  
Sports Centre. Come along and try one of the most physically demanding sports.

### TUESDAY

**Christian Outreach.....12.30pm**  
Lunch in Elec Eng 508.

**Keep Fit.....5.30pm**  
Southside Gym.

**Film: Batman.....7.00pm**  
Mech Eng 220. Presented by ICSF.

**Islamic Soc Meeting.....1.30pm**  
Mech Eng (Room 214). 'Islam and the World'.

**Finance Business & Investment Soc.....5.45pm**  
Maths Dept Room 410. Film: 'UK Equities'

### WEDNESDAY

**Keep Fit.....12.30pm**  
Southside Gym.

**Wargames.....1.00pm**  
UDH. All welcome.

**Basketball Club.....7.30pm**  
Volleyball Court. Women's Team

**Shaolin Kung Fu.....7.00pm**  
Southside Gym. Free introductory lesson with Sifu C. Lai (6th Dan). Bring tracksuit bottom and plain t-shirt.

**Christian Outreach.....8.00pm**

Prayer meeting in Connaught Hall, Bloomsbury.

### THURSDAY

**Keep Fit.....5.30pm**  
Southside Gym

## Small Ads

MEMBERS OF IMPERIAL COLLEGE UNION CAN ADVERTISE IN THIS COLUMN FOR FREE. MAXIMUM OF 25 WORDS PLEASE.

### ANNOUNCEMENTS

●**SECURITY WARNING:** Cycle locks are available from security at £16.75. Look after your wallets and coats etc in all rooms around College.

●**BASKETBALL CLUBS:** last year our women's team won the league! See the What's On column in for details of training sessions.

●**ICSF LIBRARY** is now open every lunchtime 12.30-1.30pm.

●**AMERICAN FOOTBALL!** Either an experienced player or a fresher with interest in American Football at IC. Contact Mike Rogers, MSc Engineering Geology, Geology Dept RSM. Both a playing and social society.

### ACCOMMODATION

●**PERSON REQUIRED** for flat with two double rooms, sharing with 3 male undergraduates. £42 week. Cheap, but not a dump. 071-373 6127 evenings.

# These days, no rebel needs to be without a cause.

Read the Observer and you'll find plenty.

The environment. The economy. The Health Service. Human rights. Inhuman bureaucracies.

Not to mention the Government of the day. (And they often wish we wouldn't.)

You'll also find a sense of style, a sense of humour and some very fine writing that helps to make sense of the week's happenings, both at home and abroad.

A perfect example of mind over what really matters.

Try it yourself this Sunday.

**OBSERVER**

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# Sabbaticals' Reports

## President

### Union Manager

Following the departure of David Peacock, the quest for a new Union Manager has taken up most of my time this summer. An appointment has been made, subject to medical clearance. Once this happens, I'll be able to announce the appointment.

### ULU

Links with the University of London Union and its constituent members have been varied so far this year. Whilst there is probably respect for ICU, there is also distrust owing to our indifference towards both ULU and The University. This may resolve itself as the year progresses.

### Welfare

A couple of campaigns are lined up for the coming months. Unfortunately, the Union has no Welfare Officer at present. Assuming no one stood for this post at yesterday's UGM, can anyone vaguely interested please contact me ASAP.

### Postgraduate Affairs

Ditto above. No officer—buggerall gets done. The Union needs a PG to dedicate a few hours a week to run this important area.

### Transport

Can anyone still holding van keys (including Wendy Morris) please return them. You won't be allowed to hire any more vans until this is done.

That's about it. Hope you're having a good Freshers' Week. See you at the Freshers' Ball tonight.

Shan.

## Hon Sec

### Events

The gigs and comedy night this week have been sell outs. Thanks to BJ, Graham, Emma and all the Ents crew for putting it on. Negative thanks to the fooler who let off the fire alarm on Monday night.

Freshers' Fair seemed to go OK apart from the usual chaos at setting up time. The main problems seemed to be in the Sheffield Ante-Room and MDH. I hope all the clubs and societies got the interest they were hoping for.

There is a large evening being staged on October 20th in a marquee on the Queen's Lawn. At the moment *Dr & The Medics* are playing plus another named act and disco. Profits are going to the Careers Fair. It is the biggest event of the

year with about 2,500 tickets to be sold. Watch for the publicity. The Commemoration Ball on October 25th has sold out, although the band and disco back at College will be open to all. Payment on the door at about £3 from 11.00pm.

### Returning Officer

All will know of Chris Stapleton's unfortunate result. The election process for the post of FELIX Editor (Print Unit Manager) is now underway and papers went up on Monday October 1st (here and at Silwood and St Mary's). No one has stood as yet. Papers come down on October 12th. Hustings and voting will be on October 18th, 22nd and 23rd respectively if anyone has put their name up. The Election Committee is myself (as Returning Officer and Chairman).

The position of student Senator for Science and Engineering and that of Senator for Medicine are still vacant. If you are interested in these University of London posts please come and see me.

Other ICU Officer's posts coming up are:

Management School Rep  
Two Ordinary Members ACCAFF  
Two Ordinary Members ICCAG  
Alternative Prospectus Editor  
Handbook Editor  
Two First Year Reps to Council

If you wish to stand come and see me. Papers go up on October 15th and come down on October 26th. Voting will be at the UGM of November 1st at St Mary's.

## Deputy President

### Security

there will be frequent checks of Union areas. All persons must be carrying an IC Union card, or be a reciprocal or temporary member. Those not legitimately within the Union building will be ejected.

Several thefts through the summer have highlighted the need for tighter procedures within the Union building. There has been only one minor theft recently. The reduction of thefts is largely the result of greater alertness and commonsense.

All users of rooms within the Union Building will be required to arrange for that room to be securely locked after use, or face a ban from using Union facilities.

A programme is underway to make rooms more secure, including changing doors with glass to solid doors, adding door and window alarms and tightening up key access.

### Evacuation Procedures

A procedure is being developed in accordance with new College instructions. As Monday night's Carnival demonstrated, the evacuation was effective, but improvements are being made for tomorrow's Freshers' Ball.

### House

The Refectory Flat, a little known room in the depths of the Union Building, will be refurbished. It is likely to be used as a flat for a member of permanent management staff.

£7,000 worth of chairs have arrived for use at dinners in the Dining Hall. Table tops will be next on the list for an upgrade.

### Trading Outlets

These have got off to very successful starts for the new academic year. Continue to use the Union Bar, Snack Bar and Bookstore, and we shall be able to continue to run such an efficient and cheap service for our membership.

The Snack Bar will be operating a barbecue in Beit Quad tonight (if it's raining, food will be served in the Snack Bar itself)—our thanks to Guilds for supplying charcoal for Tuesday's at short notice.

### Temporary Members

I have taken over this responsibility from the President for the first period of the year while he has been dealing with more important things. There are lots of temporary members of ICU from many of the local educational establishments. Mix with them and encourage them to mix with you, especially tomorrow night at the Carnival.

### Athletics

The astroturf pitch at Harlington is down and laid. It has been used and is in good shape.

University Athletic Union will be reorganising its divisional structure. Steve Puttick, Athletic Clubs Committee Chairman, will be discussing this further with UAU.

### Training

AMEC plc sponsored a place for me to attend a Management Training Course. I hope that staff in the office and trading outlets will notice the difference.

### Union Cards and Welcome Packs

Thanks to all the helpers who turned up to distributed Union cards. After this week, Union cards may only be obtained from the Union Office, on Tuesday afternoons between 2-4pm only. Hope you all enjoyed the Welcome Packs, and my thanks to Murray Williamson for doing most of the organising of these.