

Friday 12th October
Number 878

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Power Swamped

A massive power failure closed the Mechanical Engineering Department on Wednesday 10th October. A flood was reported at 11.45am and power was lost at 12.00. Geoff Reeves, Imperial College Chief Security Officer, said that a water tank on the eighth floor burst and the drainage system couldn't cope. Some of

the water went into the main power ducts supplying the Mechanical Engineering building causing a circuit breaker to cut the supply.

Many people thought that there had been an explosion and called security. All floors lost power except for the basement, first and second. The lifts and

phones were not affected and lighting switched to the emergency backup.

The Mechanical Engineering Building was emptied and sealed at dusk. The mainframe computer was not hit as it has its own power supply but data was lost from Personal Computers on mains supply.

Caught

Mr Geoff Reeves, College security officer, has warned the college about a walk-in thief who has been active in the area. He is described as black, tall (about six foot) and slim, wearing black tracksuit trousers. Mr Reeves said that it would be worth while to challenge any strangers.

He added that bicycle thieves are having a great time now that the new intake is here. He said that D-locks are for sale at cost price from the security room in Sheffield as the cable locks used by first years in particular are no use whatever.

Review

The opening hours of the Haldane music library are to be put under review, according to Mr Richard Hall, Lyon Playfair sub-librarian. He said that the present hours of 11.00 until 4.00 in the afternoon was due to a redistribution of staff in the library so that books could be issued for longer and the issue of music could be guaranteed for those hours. He said that the library was looking at alternative and less time consuming ways of issuing cassettes.

Technical

The Lego Motor Show, Auto 2000, opens today at the Science Museum and runs until the 24th March. Entrance is free to members of IC on production of a union card.

The exhibition is on the third floor and contains a hands-on area, a shop and an exhibition of models of futuristic cars. A full size prototype and a 1:3.5 scale model of a Lamborghini Countach LP400S are on display in the foyer.

Nightmare on Queens Lawn

The Union faces college wrath over the siting of the Careers Fair on the Queens Lawn. Estates had given Dave Ensel, Careers Fair Manager, permission to use the lawn but top level officials, including the Rector, had not been consulted. Yesterday, when work started on the erection of the marquee, contractors vehicles parked in an area of the college car park which was to be used by some visiting VIP's.

The marquee has also caused two other problems. The company providing stands to go inside the marquee had measured the size of the Queens Lawn incorrectly. This was corrected by the marquee company removing two panels from the side of the marquee, shortening it by eight metres. They have not charged the Union for doing this.

The other problem has also been caused by the stand company. They want the Union to purchase special armoured cable for the electrics. This is normally only used for permanent installations and would cost the Union £1300. The Union were told of this requirement on Thursday morning. Dave Ensel commented to Felix, 'It's all gone horribly wrong'

The Careers Fair will run next Tuesday and Wednesday (16th/17th October) and will be free to all students, from Imperial and other colleges. There will be

refreshments and a bar available inside the marquee.

The Union expect 5000 visitors to the Fair, 3000 of which will receive a glossy conference folder in which to place the Careers Fair brochure, providing information on all the companies in the



fair. This year the cost of attending has been increased drastically - up to £1075 for a two day stall. The extra cost has not proved to be a deterrent to companies, for the extra revenue has been used to provide a better service to both the companies and the students visiting the fair.

Included in the cost of the stall is the £15,000 cost of the purpose built aluminium marquee. This was the brainchild of Dave Ensel who visited European Careers Fairs this year. He also produced the idea of providing partitioned stands for visiting companies. They also get two pages in the Fair's brochure.

This year the Union lost 30 companies, mainly petro-chemical and banks due to a change in the market. They gained over 30 industrial companies, however, including BP research, ICI and Unilever. There will also be several international companies and a stall run by international students (the B.E.S.T. stall).

Ben Turner, the Careers Fair Coordinator, has arranged for two parties to be held in the marquee before it is removed and for the profits from 'The Big Gig' on the 23rd and 24th October to be donated to the Careers Fair fund.

Further information on Careers can be obtained from the Careers Advisory Service, on the 3rd floor of Sheffield.

Guilds' Victory



The diploma of the Association of the City and Guilds London Institute, a qualification that only City and Guilds (C&G) graduates from Imperial College receive, is now safe from being bestowed upon non-IC people.

The C&G London Institute had proposed to award the qualification to people who didn't have to be engineering graduates because of pressure to expand

their influence into senior awards. There had been much opposition to this from members of the college past and present, who thought this would detract from the value of the qualification.

Last years C&G union president, Chris Horne, had campaigned against the proposal, collecting 1300 signatures from the RCS and the C&G unions which were presented to the C&G London Institute

during the third term last year. He also wrote to fellows of the Institute and to the Prime Minister.

The Institute stepped down over the affair, and a new qualification, the 'GCGI' or 'Graduate of the City and Guilds Institute' will be conferred on non-IC people.

Fire Risk

Fire broke out in Weeks Hall last Friday when a wall heater burst into flames at about 1.30am. The fire was fought by two residents on the sixth floor with a fire-blanket and an extinguisher. A large amount of smoke was produced which spread into the corridor but did not trigger any smoke alarm.

One of the fire fighters attempted to smother the four foot flames with a wet towel which eventually caught fire itself. The fire was defeated, leaving the room covered in black soot. One of the residents told Felix that he experienced chest pains from the acrid smoke for

several hours.

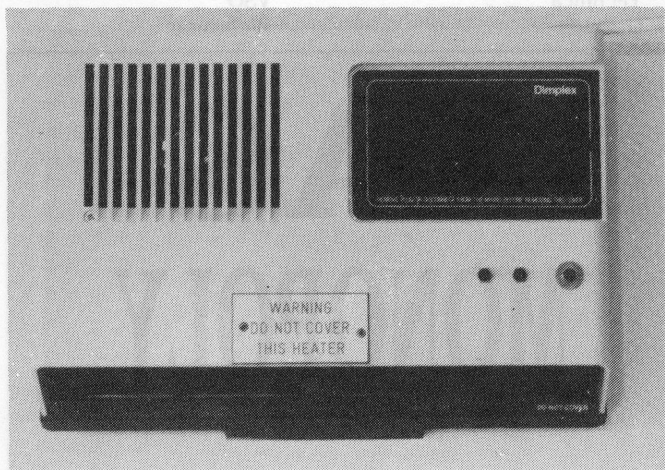
Weeks Hall bought 70 fan heaters because of problems with the central heating. Michael Bluck, the sub-warden for Weeks Hall, said that the heating system was 'old and not satisfactory' and that residents had complained of being too cold.

The fan heaters are placed high up on the walls, but residents still use them to dry wet clothing. The sub-warden said that this could lead to a build up of fibres so the heaters have to be cleaned regularly. He added that this should not be a problem in the future now that free

driers are available.

A resident of Weeks hall told Felix that some of the heaters had 'temperamental thermostats' and that residents often left the heaters on accidentally. He said that the smoke alarms had not been activated because they were behind a closed door, in the kitchen. The alarms have been tested since the fire. The faulty heater was removed on Saturday and is still under investigation.

Michael Bluck commented that 'Now and again one is going to conk out' and added that he had a fan heater in his own room.



Obituary: Thomas Junker

The tragic death of Thomas Junker, a student from Aachen in Germany, has deeply shocked friends. He died on the Wednesday before last in a car crash in Chiswick. Thomas had come to the country last February on an exchange to do his final year project in I.C.'s Chemical Engineering department. He was 26.

Friends said 'everybody that met him found him a warm, friendly and charming person. He will be sorely missed'. The funeral will be held in Germany. All enquiries should be directed to Stefan Ledin, ext 4313, Chem Eng.

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Jobsworth

Those of you who have attended the fair in the past will notice some changes. The biggest, at least in size, is the marquee which has been erected on the Queen's Lawn. The tent has been brought in to allow all the companies who attend the fair to be housed in one area, making it far simpler for you to see them all.

We have tried to make the fair as professional as possible this year, the rest is up to you. Go out and convince the companies that Imperial College graduates are the best in the business and will be an asset to any firm they apply to.

The majority of companies, this year, will be staying for both days, enabling you to investigate them more fully. It is worth seeing as many companies as possible on day one, and then selecting those with most merit for further discussion on day two.

Your approach to companies is all important—too much arrogance or timidity will do you little good. Also, a balance needs to be found between calm confidence and willingness to please. The careers' advisory service will be more than happy to help you with any questions you have about techniques.

Basically, the Careers' Fair is a service for both you and the companies. A fair amount of work has been put into it, maybe more than ever before. For it to be a complete success, it needs your help. Use it wisely, use it well and get yourself a job!

OK. Serious bit over, now for the nitty gritty. First, the reasons you should attend:

1. I'll be very upset if you don't.
2. If you don't go you won't get a job.

3. If you do go you'll get a fab and groovy presentation pack (actually really nice ask spunky Ben Turner).
4. The frogs have eaten all the cheese.

The fair starts at 9.30am on Tuesday and goes on all day, and does the same on Wednesday. Try not to all go at lunchtime otherwise the tent will get smelly and you possibly won't see all the people. This is a chance to get a job and cock a snoot at all the other piddly little fairs that go on at other inferior colleges.

Um, I'm not sure what to say now, must be overwork. See what you think and tell me about it afterwards. I'll be in the bar, if you like it you could always buy me a drink.

David Ensell, Careers' Fair Manager.

Company Listing

A.R.E.

Abel & Imray
WS Atkins
Air Products
Albright & Wilson
Andersen Consulting
Arthur Andersen
B.P.
B.P. Research
Baker Tilly
Bankers Trust Co.
Banque Indosuez
Barclays
Binder Hamlyn
British Coal
British Steel
British Telecom
Cadbury Schweppes
Chevron
Civil Service SCITECH
Colas
Coopers & Lybrand
Courtaulds
Credit Lyonnais
D.T.I.
Data Connection
Dow Chemicals
Du Pont
E.R.C.
Ernst & Young
Frank Graham
General Portfolio
Grant Thornton
Hitachi
HM Government Communications
I.C.I.

ICL

Johnson Matthey
K.P.M.G.
Kodak
L.G. Mouchel
Legal and General
Logica
Marconi
Marks & Spencer
Mars
Metropolitan Police
Mobil
MoD
Mott McDonald
National Grid
National Physical Lab
Nomura
Nuclear Electric
Oracle Corporation
Ove Arup
PA Consulting
Pannell Kerr Forster
Price Waterhouse
Proctor & Gamble
Ricardo Consulting
Rolls Royce
Rowntree
Royal Aerospace Establishment
SAFT
Schlumberger
Scott Wilson Kirkpatrick
Shimuzu
Sir Robert McAlpine
Sir William Halcrow
Stoy Hayward
Sun Alliance

Taylor Woodrow
Technica
Unilever

United Biscuits
VSO
Wellcome

RAG MONOPOLY

**BEIT QUAD
TOMORROW
10.30am
Massive party
afterwards for
everyone who comes**

**Rag meeting today,
12.40 in the Lounge**

A world class start

LET'S TALK



CHRISTMAS PRESENTS FROM ICI

ICI's vacation courses give you a valuable insight into the role of your chosen discipline in the chemical industry, and give you the chance to assess what it is like working for one of the world's largest chemical companies.

Come along to our presentation on **Monday 22 October at 6pm in the Sherfield Building Ante Room**, when we will give you a taste of what the vacation courses involve and the careers they describe.

The presentation will also help if you're interested in a career in ICI but can't attend a vacation course. **Drinks and a buffet will be provided.**



f

WEEK

Wham-bam-a-boogie

A review of Freshers' Week by Colin Toombs

f

WEEK

The Freshers' Week events are definitely the place to be. For those of you who missed out on tickets or were too pissed to remember, it was great fun.

The Week kicked off with the New Year's Party. Two bands and a disco extravaganza lay in store. Walking into Beit Quad you were met by an impressive sight. The walls of the Union Building had been lit up with projected images of spiders webs, arrows and Broadway. Jean Michelle-Jarre eat your heart out. And if that was not good enough the inside was even better. Swirling elephants, ultra-violet lights and arty pictures everywhere.

First stop before the bands; the Cocktail Bar. Banana Banshees (yummy), Killer Zombies and Ocean Rollers, but no straws. The Rugby Club would profit more if they didn't drink it all themselves.

The first band on was *Ruff Ruff and Ready*. They looked it! A psycho-billy on lead guitar, a trainee MacDonalds manager on bass, a skinhead on drums and two singers. The resulting sound is not dissimilar to *Big Audio Dynamite*. An underlying reggae rock rhythm with punk thrash choruses. The majority of their songs did not agree with Imperial's Conservative views as in *Robbing the Rich to Feed the Poor*, but at least they have a couple of silly songs such as *Erection*. The best part of the band was the highly animated, ethnic dancing. They were amusing and fun to watch.

The main band of the night was the *Levellers*. Playing jiggy Irish folk music for most of the time, they were similar in sound to *Pogues* and looked like *New Model Army* (although they obviously could not afford the clogs). I was expecting something brilliant from this band, but I was disappointed. With the usual handful of political songs I couldn't help thinking I've heard and seen it all before. As for their last song it was a re-hash of the *Happy Mondays*. At least the fire alarm relieved this torment for a bit. The *Levellers* did not aid the evacuation however but played on even when the lights had been turned off and several Union officers had told them to stop.

To end the evening the *Levellers* and *Ruff Ruff and Ready* got together to play one of the latter's songs. But because of the fire alarm only half the people were left to appreciate it.

The big event of the night was *Disco Amnesia '90* (unforgettable!) starring some extremely famous DJs who no one had heard of or really cared about. The noise they were playing was LOUD. The lights were amazingly impressive (better than a lot of night clubs). I will admit I hate 'Rave' music, but I think half the people there would prefer to dance to a wide variety of musical tastes. And at least everybody would be happy at some stage.

My urge to dance was satisfied when

the Lounge rocked to sounds of *Abba* and the *Bee Gees*. I could have sworn they were more people in the Lounge than *Disco Amnesia '90*.

Who the hell was that band upstairs? I can now reveal that they were none other than the *Wild Angels*. Playing pure Rock 'n' Roll all night long this was one bunch of cool dudes. They had the punters dancing and for the last song (which went on and on) one of the audience played the drums. This was the place to sit down, relax and chat. They were great, so why weren't they billed?



One last drink, a burger and then it was off to bed.

Recollections of last year's Comedy Night meant I was not overjoyed with the prospect of going to this one (all the jokes had been based on masturbation, condoms and fucking). I was in for a shock, I actually smiled and occasionally

laughed at this year's comedians.

The compere of the evening, Jeff Green, knew his stuff and was good. Playing on American-Iraq affairs and those IC statistics (no women) we all know too well. He had the audience in hysterics before the acts came on, providing perfect introductions.

The first act of the night was Simon Day. Specialising in impressions of 'House' Parties and American screen stars, neatly timed to backing tracks. This is where the problem lay it was all too neat and smooth. The jokes were lost beneath it,

the laughter business and after a few digs at the Police (someone has to do it) had earned his applause. Not bad at all.

And so we move on to DOON. From a name like DOON I don't think anyone could have anticipated the next act. DOON is a sexually liberated women who manages to deliver the taste of what it would be like if women had the mentality of men. She opened with a rap totally taking the piss out of male chauvenist rap artists. She then enlightens us about using vibrators at the bus stop. 'Guaranteed to make you come before the bus does'. Her act is very clever and full of humour, but I cannot help thinking that some of the audience will probably seriously believe women are pining and waiting to get laid at every opportunity. Are they?

As usual to end the evening there was a Joke competition. All you had to do was provide a witty punchline for this joke. 'What did Nigel Lawson say when he met Sir Eric Ash' No one entered. So to get rid of the four cans of Castlemaine XXXX a stand-up joke competition was run.

The Americans entered in full force, but we had a Yorkshire lad to keep up the British end. The result was a tie between California and Yorkshire and was a splendid climax to a good evening's entertainment.

After another night spent recovering it was the Final event of the week, the Freshers' Ball. With a whole list of things happening through the night there was no excuse for boredom.

The lights were still there in full glorious technicolour. A new Links cocktail bar with a new drinks list. A closer look found this to be purely cosmetic and they were in fact of the same composition.

My Tropical Trauma in hand it was off to see the first band of the night: *Boy Girl Soup* (more of a Boy Soup as there are no girls in the band). I would class them as pop rock, playing a few love songs and a handful of meaningful ones. The volume was too loud as the sound was distorting, but they were nothing special.

Next up was the *Trudy*. The psychedelic lights began to swirl and an extract from the first episode of *Lost in Space* hummed out the speakers. The *Trudy* are lost in that late seventies period of drainpipes and science fiction, when similar bands like the *Revvilos* were around. The *Trudy*, however, are living on in the Nineties with loads of silly songs about outerspace. The lead singer, Melissa, has a dance style which would have been considered naff at *Disco Amnesia '90* but gets loads of people dancing (until some prats started moshing and stage diving). To put it simply they were brilliant.

Death Bang Party. Who ever put this band together I take my hat off to you. They were amazingly mind blowing. With

no fewer than nine people on stage at any one time providing the music the atmosphere was ecstatic, positively orgasmic. A costume change was required by the high priest of the cult of Death Bang for most songs with 101 ludicrous stage props. The songs had highly repeatable choruses so everyone could join in, with 'Where's the party? The party's up your arse' and 'Fuck, Fuck, Fuck, Fuck, Fuck, Fuck, Fuck You!' being some of the tamer ones. The absurdity of the show rose to astonishing heights: starting off wearing massive bull horns on his head, the high priest stripped to a loin cloth, complete with phallic vacuum cleaner hose (industrial size) attacked, then it was into a swimsuit and rubber dingy, and ending up in the cult of Death Bang ceremonial cloak and wig.

Everyone in the Lounge was on their knees to the almighty Death Bang. I escaped quickly before I too was converted. I now knew the answer to

BJ Says Thanks

Thanks to all of you who turned up to the events in Freshers' Week, I hope you all had a good time. If you have any comments or suggestions about anything to do with the events no matter how good or bad, please let us know by either dropping a note into the Ents pigeonhole in the Union Office or, if you recognise any of us, by telling us personally.

It is important as we are here to organise events for you so if you don't tell us what you want we will assume you like what we like. Even (especially) if you liked it tell us!!

The next Ents event is not until October 26 when two up and coming bands will be grooving on down in the Lounge.

They are *Spirit of Ecstasy* and *Miss America* (see FELIX for preview). Details for this and the event the following week, *The Muscle Shoal* and support, will appear in FELIX nearer the time.

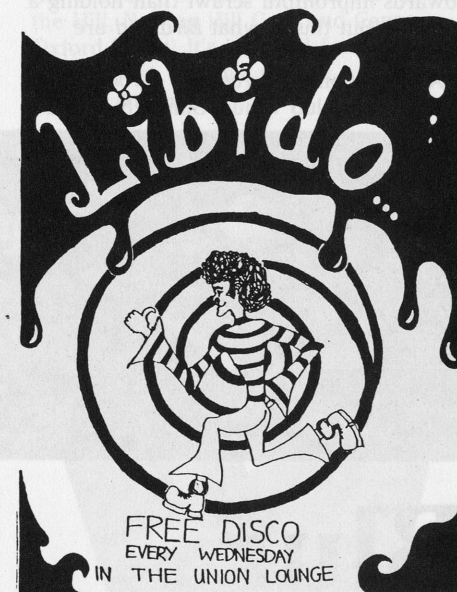
But the Ents disco raves on! On

'When's the Party?' it was in the Union lounge.

C&G were running a Casino with Black Jack, Farmers Glory and Roulette being played. The first prize for the person with the highest winnings is a personal stereo. Since I lost all my chips on a chaotic game of roulette I have not won.

The headlining band of the night was *The James Taylor Quartet* and all the guests they could think of inviting. The music conjures up images of Starsky and Hutch and Hawaii 50. I did not appreciate it. However, I was reliably informed by a non-biased watcher that they were good. From the number of people dancing I will believe him. And so the only fun week of a whole year at Imperial College slipped into the past as the sun rose.

I enjoyed myself and I'm hard to please. My only gripe (as usual) is against the disco's music. That aside, Rave on Hacienda Boys!



Wednesday and every Wednesday Libido will be raging in the Lounge from 8pm-12-ish. The top Ents DJ's will be pumping out the latest and greatest in all types of music from House music to Heads, Shoulders, Knees and Toes music. It's great, and free, so come along and shake it out.

Also there are Ents meetings every Tuesday to talk about world problems and world solutions—if you want to get a head, get involved—the rewards are endless. Also Ents card holders (or non-holders); some still have not been collected, come into the Union Office anytime or Ents meetings on Tuesday 1pm in the Lounge to pick them up.

If you still want one come into the Union Office, ask for the Ents crew and shout 'Poulet-frites' while shaking your body frantically. Also you will need £7 and a photo. Bye for now.

BJ.



Birdland

Birdland get back to their original roots on this four track EP. The infinitely slow intro heralds an obviously outrageously fast track with all the usual vigour and speed. Fans who thought that they'd lost 'the edge' with the relative tranquility of *Sleep With Me* will already be back slamming in their bedsits. At last, they have got half-way to ensnaring their precocious live mania to disc.

The shame of its controversy over the word 'nigger' (which they gloatingly and teasingly relish over) is the song's coup. *Birdland* always set out to be nonconformist. That's why we love them, along with vivacious liveliness and exhilarating sound.

When you've caught your breath, *Protection* over the back begins with more gently rocking harmonics and gives the collapsing listener a chance to recover a little with his feet just on the ground. The slower tempo does not do wonders for his voice which tends better towards impromptu scrawl than holding a melody. But this is what *Birdland* are there for

All too soon, *Rollercoaster* swoops in to destroy any club venue. Similarly to the

Mary Chain's Rollercoaster in principle but not performance, some phrases are almost Arabian and the drumming is flawlessly accurate, making the near tuneless vocals even more gratifying. As ever, *Birdland* look at life, and get on with what they're good at - having a great time.

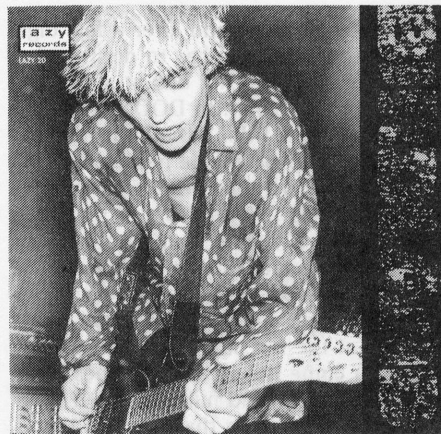
The flip climaxes with *Fun Fun Fun* which leaves you dying to turn the record over back to the lead track again. This is *Birdland* at their most typical—recklessly young, frivolously jolly and aggressively noisy. It's a track for anyone fed up with moping lyricists mourning broken relationships. *Birdland* get straight on with live and to the full. Have fun while you're young; and when you're old too, and *Birdland* don't get any profounder than that. Call them outspoken.

Call them young and foolish. But if this is what comes out of it, that must be good. All together, *Birdland* prove that diversity is still possible without sacrificing originality, ideals and a downright cockiness.

SJH



Rock 'n' Roll Nigger EP



Prefab Sprout

Jordan LP

I question record companies motives for starting albums with tracks that have been released as singles. Along with the inevitable 'featuring the hit singles ...' it is all an attempt to sell copies to the boppy chart market. Prefab Sprout don't need any of these gimmicks as they have produced what may be their best album yet.

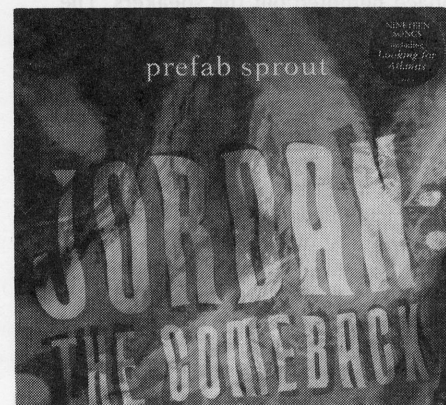
On the first hearing many of the songs sound similar, gentle ditties that will offend nobody. But, on the second play a whole new world opens up, full of surprises and inspiration.

The sequencing is perfect, each track flows neatly and sensibly on to create a well rounded whole (this is one CD I won't put on random play.) Saying that, any of the songs could hold its own, except 'All boys believe anything' as its only half a minute long.

Excellent value with nineteen tracks and well over an hour long.

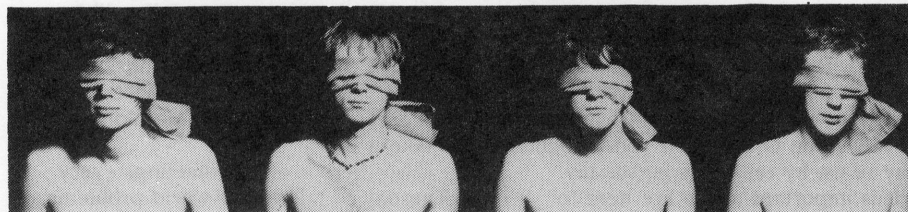
In the words of one of their own song, 'any music worth its salt is good for dancing.'

Ian Hodge



Blur

I Know Single



Oh dear, in *I Know* we have yet more baggy music. Hammond organ, sixties groove, boyish voice (and no doubt—blowzy haircuts)—sounds suspiciously *Charlatanesque*. Having heard nothing by this band before, we were expecting better things. At a guess this is the band's dance chart attempt, but they're obviously reluctant to sell out completely and this 'indie'-cisiveness has left them with a rather drab sound.

On to the other side with *She's So High*. Top intro with very *Spaceman 3* groovy noises in the background. It

moves on with an unexciting vocal melody and poor lyrics (she's so high, she's so high—I want to crawl all over her, etc—honestly!!!). What's more, it's very repetitive and as this isn't a dance record, they've got no excuse. *She's So High* does, however, have a redeeming middle eight hippy sitar-like bit.

Despite this, *Blur* are talented musicians and this record is well produced. With a tad more originality they could do well. See *Blur* at ULU on November 11—we'll be there.

Pinky & Perky

Leather, Lace & Transvestites



A darkness was growing like a verruca outside the Electric Ballroom on September 27. Like a plague, the black seething mass flowed out along the pavements and then over the kerb and into the road. Eventually the doors opened and the fuzz of hair, mascara, rubber and skewering stilletoes crammed inside. It was the night they had been expecting.

Within, the scene was set for a night of terror and transformations. The bars were oases of light—a haven for those too distraught to continue. The smoke pooled about the floor and the chatter silenced. The only colour was in the green-grey mist which clung to the empty beer glasses like sludge. Bodies imprisoned in taunted rubber were stilled and the first band came on.

Cristabelle Children wear black. *Cristabelle Children* have lots of hair. *Cristabelle Children* put quotes from the Bible on their lyric sheets. *Cristabelle Children* don't play soppy music. What they do give is a hair-raising turmoil of sounds and deranged experiences. The bodies seethed and the rubbered flesh got funny little drops of condensation on them.

Sister Midnight have spent the last few months building up an inshatterable reputation for kinkiness and general on-stage perversions. Anyone who had come to see contouring body-stockings and black leather whips was not disappointed. Anyone who had come to listen to the music had been mobbed out long ago. Shockingly, *Sister Midnight* itself used to be a bloke, but was now part way through that operation which entails the removal of certain unmentionable and irreplaceable parts (bollocks—Ed). It seemed quite happy to display this fact to us all by wearing a leopard-skin body-stocking and flaunting his lack of tackle, particularly in the direction of any



Hail Ave Demntia Marionettes

available camera lens. The photographer is now in a stable condition and out of intensive care.

In an especially subdued mood for this refined gig, they refrained from whipping each other on stage and contented themselves merely with gyrating PVC-clad females who were not as well clad as some of the barer embers of the audience. No disappointment was the sound, a ranchy, kinky, rocky perversion, ably captured on their debut EP. When all was silent once more, the beasts were again rounded up into their cages.

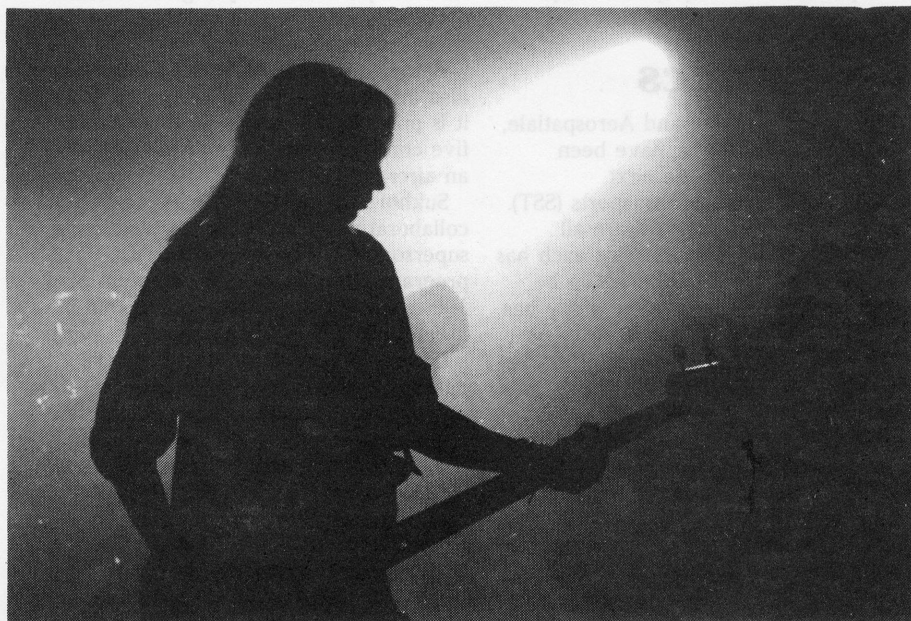
Rosetta Stone are being hailed as the start of a Goth revival—help us!! They unashamedly carry on where the *Sisters of Mercy* and *The Mission* left off years ago to become commercialised. They are an astounding two-piece, completed with

the compulsory ill-named drum-machine. What makes them still more remarkable is that the talented intricate guitarist can give a most refined and tuneful vocal at the same time. This was flourished with another imaginative bassist. The blatant rip-offs of entire musical lines from such classics as *Walk Away* and almost every decent *Mish* piece just added to their appeal. Firmly distanced from the ritualisers by a sheath of dry ice, those who did not suffocate and managed to peer through the gloom and racing laser effects will have seen a chillingly emotional performance, yet beautifully composed and still, in extreme contrast to the insane mayhem of dancing and bewitched circles spinning wildly to the incantation. The pair vanished briefly from the stage, only to be drawn back to complete the experience.

Still ravenous to complete this musical fix, the *Ave Dementia* (previously *Screaming*) *Marionettes*. Easily the biggest band there, they release their debut album *Ave Dementia*, next week and are about to undertake a major tour of the UK, finishing at the London Astoria. They drained every bit of energy and sweat from the rabid crowd, some of whom were near collapse after *Like Cristabelle*, their second single. They've come far since *Obsession*, developing melody and anger as they blast minds and today. Bodies flew from the stage and still remained elevated on the excitement.

And then they were gone, and the Goths skulked back to their chambers, now fired on a renewed hope of a day when they would dare show their faces in the light again, and be able to buy *Sisters of Mercy* records without being laughed at.

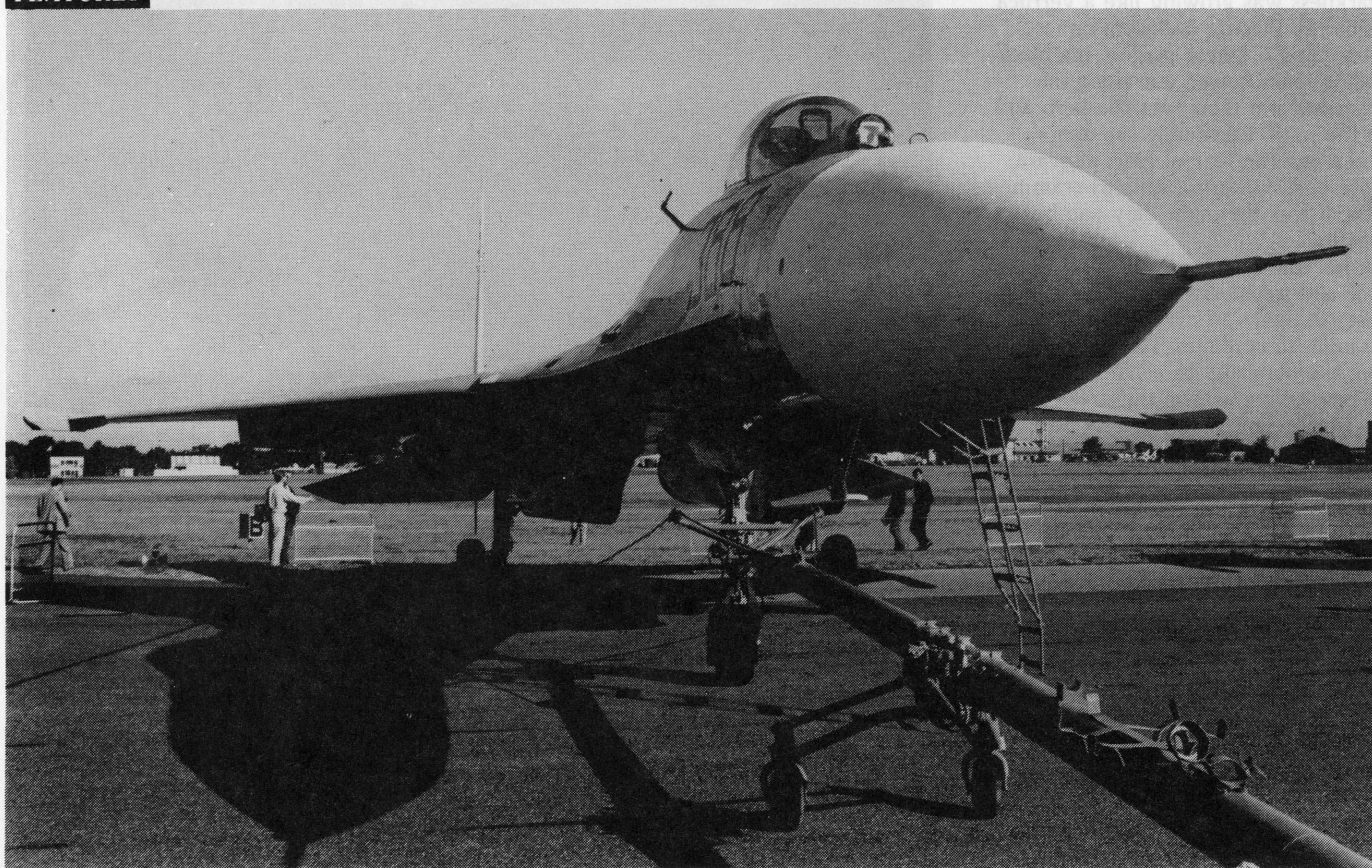
SJH.



Darkness and Light: Rosetta Stone



Farnborough International 1990



'The shadow of a Sukhoi' Sukhoi Su-27

While many people go to the Farnborough airshow to see the air display, the static displays are equally impressive, with the latest technology and innovations often being on view for the first time. This week's feature on the airshow concentrates on some of the interesting ground and exhibition displays seen this year.

HOTOL

The prospects of the HOTOL project getting off the ground seem much more likely with the announcement of a study into the feasibility of using the Antonov An-225 Mriya (Dream) to piggyback HOTOL part way into space. BAe has been negotiating with the Soviet Ministry of Aviation to use the aircraft as a low-cost launch platform. The An-225 was originally designed to aid in the Soviet space program as a transport, and has a proven ability to carry vehicles on its back: last year when displaying at the Paris airshow, it brought the Soviet space shuttle 'Buran' in in this fashion.

The new proposal breathes life into the project, which was refused funding by the UK government despite the promise of a cheap method for launching satellites, because the revolutionary dual mode propulsion system need not be used. This system caused the now-temporary shelving of the project, because the Ministry of Defence insisted on keeping

the engine technology secret, thus barring international funding of the project.

The proposal is that the An-225 will take HOTOL up to 30,000 ft where the two craft will separate, and HOTOL will use interim, Soviet-derived rocket motors to launch itself into orbit. The study will conduct wind tunnel tests to determine the viability and safety at the moment of separation. The combination should be able to put into orbit a payload of up to 7 tonnes, at under half the current cost.

Supersonics

British Aerospace (BAe) and Aerospatiale, the builders of Concorde, have been working separately on the next generation of supersonic transports (SST). They have now decided to share all information although the designs each has produced so far are too different to be amalgamated. Recently a wider study has begun between BAe, Aerospatiale, Boeing, McDonnell-Douglas and Deutsche Airbus. The basic requirements of such an aeroplane are that it should be capable of around Mach 2-2.5, while carrying up to 300 passengers over 10,000 km. At the same time it must be environmentally acceptable, with low noise, and good economy so that operation is profitable. Such an aircraft is unlikely to be flying before 2000, with another 10 years before it enters service.

SNECMA and Rolls-Royce, the

collaborators for the Concorde engines are also engaged in a joint study on SST propulsion. Any such engine will need to be variable cycle - running as a turbofan for subsonic flight, and as a turbojet while supersonic - to meet economy and noise requirements. Rolls-Royce is less enthusiastic about developing an SST engine because of the limited number required: the faster an aircraft travels, the fewer required to carry a given number of passengers a certain distance in a specified time period.

Both Japan and the Soviet Union are also interested in developing an SST, and it is possible that they will join with the five companies above in producing such an aircraft.

Sukhoi and Gulfstream have been collaborating in a venture to build a supersonic biz-jet. In order for the program to be justified, a minimum of 100 examples would have to be sold at around 40 million US dollars each, but it is believed that such a market exists. Sukhoi reckon that up to 20 could be sold to the Soviet authorities. Gulfstream had a model of the Mach 2 biz-jet on their stand, but a detailed specification is yet to be finalised, although it will probably carry up to 16 passengers with 3 crew over a range of 4000 nmi. Engine design studies are being carried by Lyulka of USSR and Rolls-Royce. A proof-of-concept prototype is expected to fly around 1994, with full production by 1998.

New Engines

Rolls-Royce had on display an example of their new engine, the Trent turbofan. This engine is being developed to meet the increasing thrust requirements of new airliners: current engine designs can produce over 60,000 lbs thrust, but are reaching the end of their development life. The Trent has been designed to produce thrust in the range 60,000 to 90,000 lbs, and has already been ordered by several airlines to power McDonnell-Douglas MD-11 and Airbus A330 airliners.

The new engine uses the latest technology in its wide-chord fan, which uses fewer but wider blades than in a conventional turbofan.

The advantages of this configuration include greater fuel efficiency, and greater resistance to bird-strike and other ingested foreign bodies. The engine was test-run in August of this year, giving it a head-start on its rivals, the General Electric GE90 and Pratt & Whitney PW4082. It seems likely that Boeing will use the Trent in its new airliner, the 767-X, later to be known as the 777. However, General Electric claim that their engine will be more suitable for the 767-X as this will require thrusts of over 85,000 lbs, for which the GE90 is specifically designed.

No Stealth

The Civil Aviation Authority showed examples of the new radar systems used for air traffic control. These displayed images of the current state of the skies over a user-selectable area: up to the whole of the South of England could be seen on the screen. Unfortunately, none of the air traffic controllers on the stand seemed to know how to use the system...

The United States Air Force (USAF) had on static display a Lockheed TR-1, the long-winged and black painted high flying spy plane. The type is due to be re-engined next year, replacing the '50s technology system currently in use. The new engines are lighter and more fuel-efficient, thus increasing the range of the aircraft. The type is expected to stay in service for many more years for airborne intelligence purposes. The USAF missed stealing the show by not bringing another product from the Lockheed hangers, the F-117 stealth fighter, to Farnborough. They claimed that the 2.4 km runway was not long enough for the aeroplane. Lockheed has delivered all examples built to the USAF, hence were unable to bring one over themselves.

The new Boeing 767-X, which will receive official approval providing sufficient orders are obtained, may have folding wing-tips. The envisaged wing-span of the aeroplane is 198 ft, compared to the 211 ft of the Boeing 747-400, the

latest long-range version. The advantage of such a system is that airport gates designed for use with aircraft such as the Boeing 707 will be able to be used. The disadvantage is the additional weight and cost penalty, but Boeing say that the percentage weight increase would be minimal. Whether such a system will be fitted will depend entirely on what the majority of customers require.

Sikorsky displayed their flying doughnut, the Cypher, on their stand. The proof-of-concept prototype consists of an outer ring six feet in diameter—the doughnut—with two contra-rotating rotors

inside, one above the other, so there are no torque effects. The rotors are powered by two model aero-engines buried inside the doughnut, and no other control surfaces are required. Intended usage includes remote pilotless surveillance and law-enforcement.

According to Flight Daily News, an airshow newspaper, someone was found training a thermal imaging device on young women walking the aisles of the halls. The device revealed all the body's hot-spots, and was said to be particularly good at revealing black silk and nylon.



Concorde: Successor in sight?

British Aerospace by Sarah Harland

British Aerospace (BAe) had the most prominent exhibition this year, with two sizeable outdoor display parks, advertising both civil and military aspects of their work, as well as a line of chalets and notable display in the halls.

The better presented of the parks showed Military Defence. The set route toured land and air vehicles, weapons and systems, all set against a background of combat conditions. The emphasis on the recent acquisition of Rover Group was fulfilled with a Land Rover and Discovery liaison vehicle on show. The latter runs on a 2.5 litre turbo-diesel engine and carries seven passengers, particularly useful for police work. Among weapons demonstrated was the new Laserfire system. This is a development of the Rapier low level air defence system which can be mounted on a single vehicle. It offers millimetric surveillance radar and laser tracker making it fully automatic. As it is also air-portable, it can rapidly be brought into action.

Military aircraft on display included the new Hawk version, the 200, the Tornado IDS, Tornado ADV, two Harrier GR5s under camouflage netting, and a military freighter variant of the BAe 146, the 146-STA, complete with air-to-air

refuelling probe.

In the civilian park were two more 146 versions, the -200 and -300QT 'Quiet Trader'. The latter is again a freighter version, currently used by TNT, the courier company. It has a side loading door and pallet system: one of the pallets was shown with a Rover Metro on it.

On their hall stand, BAe was operating an innovative computer training system. The Integrated Computer Based Training system uses a standard PC with a touch sensitive screen to familiarise a potential pilot with an aircraft and its system operations. Each student will study at an individual terminal, being led through every item of cockpit equipment, and is then invited to operate it himself by turning the dials on the screen. It replaces the OHP in conventional classes, having the benefits of individual tuition, and freeing the instructor. The pupil can thus perform his 90 hrs training whenever he chooses. The system also replaces complex and specialist instrument replicas for basic hands-on familiarisation and training, and, available in any language, is a cheaper and readily transportable aid for foreign customers. It can simulate more real conditions and tasks than a conventional system.



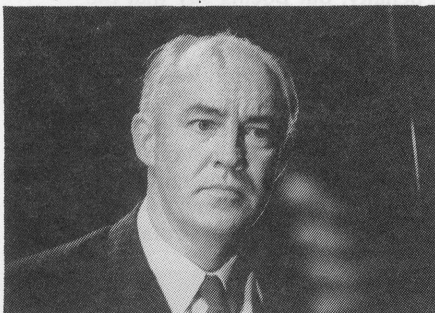
Moscow Gold

Gorbachev's glasnost and perestroika are arguably responsible for some of the most significant events on a global scale since the end of WWII. His struggles to rebuild the Soviet economy are still going on even as you read this. Surely then, it is a trifle early to be staging a play about the Russian leader? Apparently the RSC think not.

The basis of the story will be familiar to anyone who has read papers or watched television reasonably frequently over the last five years. The play gives us a chance to consolidate what we know and to be shown little pieces of information that have not really entered the public consciousness, for example, did you know that Andropov was Gorbachev's mentor? Insights into the character of the man himself are not to be expected. Despite David Calder's more than competent performance, we see no more of him than his statesman persona, even in a

massage scene with his wife he asks her to pummel various parts of his anatomy, naming them in turn after his problems.

Despite this, the play doesn't stay within the realms of docu-drama. Nancy Reagan's astrologer descends from the



sky, asking a food queue if they are waiting for theatre tickets, before launching into a song and dance routine. Sequences of politburo politicking are mixed with bizaree symbolic tableaux

and scenes of Russian home life.

This is a fairly lightweight piece of political drama which is certainly far inferior to the protest plays of writers like Vaclav Havel, who is in fact quoted in the programme. It is clearly a play written by an outsider, which unfortunately results in little of the feeling being caught. It does though make an interesting counterpoint to the pre-revolution *Barbarians* still being staged in the Barbican. It's definitely not great theatre, but it manages to be reasonable entertainment, so if your knowledge of recent events in the USSR is a tad shaky this is worth a look.

Moscow Gold is in repertoire in the Barbican Theatre, with student standby's available half an hour before the performance on production of a Union Card and a five pound note. The nearest tube is Barbican.

Pendragon.

Ghost

This film has much in common with brown bread; to wit, it is thoroughly wholesome, full of moral fibre and bursting with goodness. Also like brown bread, it contains no gratuitous killings, Patrick Swayze and a modicum of humour. Unlike the aforementioned dietary staple, it contains one swear-word and Whoopi Goldberg. However it's also more entertaining than brown bread and also features a plot.

Briefly stated the storyline goes: he's alive, he's dead and then he hangs around a lot. Demi Moore, as his girlfriend, is naturally somewhat upset about the second of these events and exhibits this by bursting into tears at any given moment. Since Patrick doesn't make it to the end of the first reel you will be pleased to hear he spends his time

walking through objects, people and startling kitty-cats. This continues until he happens upon a medium named Oda Mae Brown (Ms Goldberg herself) who is staggered to discover that she can actually hear the dead, after a busy lifetime of fleecing the ignorant. Oda Mae then has the enviable task of convincing Demi that she is in contact with her stiffed fiancé. There then follows a sequence of sensitive (read ikky sticky) emotional reunions until Demi finally Sees The Light and Patrick can explain the Dastardly Plot to her. Because, you see, Patrick was Taken Before His Time and, powerless to affect the physical world, must communicate his beloved's Dire Plight to her. The only 'people' he can talk to are his fellow denizens of the afterworld who seem content to leave

him to it. Many unpleasant events follow, but Our Hero manages to maintain his Hovis-like determination to the bitter end. Which, as you may guess, is not particularly bitter.

Special effects are excellent, although almost entirely concerned with the passage of the dearly departed solid objects and well-trained feline gymnastics. The plot, while heavily predictable, manages to neatly package every social insecurity known to mankind and come out smiling. Again, unlike brown bread.

A film for all the family, including the dead ones.

(The Amazing Flying Gerbil Machine would not like to thank the staff at the Empire for their complete lack of co-operation.)

The Amazing Flying Gerbil Machine.

Communion

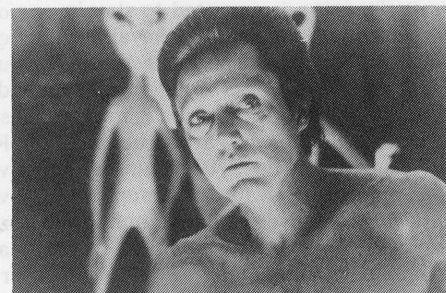
On the surface, this film suffers from what could be the worst piece of miscasting in history. Being a film about aliens, why has Christopher Walken (*The Deer Hunter*, *Dead Zone*) been chosen to play the lead role of a human, when he looks so much like an alien in the first place?

The answer reveals itself in the watching of the film. Christopher Walken manages to portray a frightened man, trying to come to terms with what he has seen, with such skill that his resemblance to E.T. seems totally trivial.

So, what has the man seen and, more importantly, what do we see? Well, if you

are expecting a re-run of *Close Encounters of the Third Kind*, then you will be sorely disappointed. This is a very personal account of some very strange incidents in a man's life and, since they are intended to be true, their reason will never be explained in the film.

This leaves us with a film which is rather sparse on material for the SF enthusiast and quite thin on plot line for the film buff. Despite slowing down at the end, the film is a good watch for anybody with an open mind who is prepared to accept the supernatural as possible and is willing to view the film as at least a possible scenario of alien encounter. For



those of you who have read the book, the film sticks quite closely to the story line, with a couple of extra incidents included to show off the aliens.

Stef Smith.

Nikita

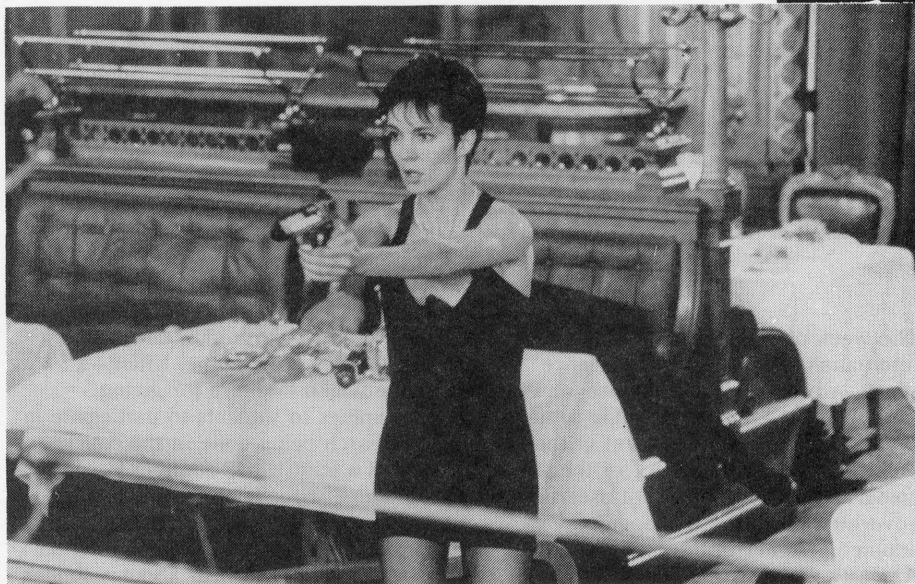


Our first meeting with Nikita (Anne Parillaud) is when her drug-crazed punk friends do over a pharmacy in search of a fix. She crouches in a zombie-like trance while the rest of the street-gang shoot it out with the police. Several deaths ensue and Nikita tops it all off with the murder of the policeman who finds her hiding.

Her family are told that she is dead and she is whisked off to be trained as a government assassin. Not content with teaching her just to use a gun, the government have to rehabilitate her so that she can live in society like a normal woman. While learning to smile and apply make-up she also acquires some useful techniques for killing.

Bob (Tcheky Karyo), her instructor, treats her to a birthday dinner and a rather special birthday present which she uses to great effect on her first mission. It's now time for Nikita to go out into the world. Efficiently she carries out her duties for the government although she becomes confused about her existence when she falls in love with Marco (Jean-Hugues Anglade).

From the director of *Subway*, Luc



Besson, this film is brilliantly thought out and every bit of action is precisely put together to make the finished product highly watchable. The fact that the hero of the film is a girl made the film even more appealing to me, although not overtly raunchy the character is quite

sexy.

Nikita is released in London today at the Lumiere, Chelsea Cinema, Screen on the Hill, Notting Hill Gate and Cannon Oxford Street. It's subtitled from French but don't let that put you off.

Rose Atkins.

Factory Girls

Let us travel to County Donegal in the early eighties. A shirt factory is under threat from cheaper foreign competition. Rumours are flying of redundancies and possible closure, permeating even to the girls working in the examination department. When it becomes apparent that the Union is not totally on the member's side, they decide to take things into their own hands.

This is a typically Irish play from award-winning playwright Frank McGuinness appropriately staged in the Tricycle in the middle of Kilburn. The Catholic undertones are all there, and there is something about the characters and their attitudes to the English that is quintessentially Irish. The situation is bleak, the remedy doomed to failure and the outlook gloomy.

Luckily, underlying it all is a feeling of companionship and endurance that develops as the ladies get to know each other in the course of their ordeal. There is also an incredible sense of humour to the play that manages to make this both The funniest and one of the most dramatic plays I have seen in a long time.

The performances are uniformly good, with Eileen Pollock's (Lilo Lil in Bread) portrayal of Ellen, the fiery leader of the group and Michelle Fairley's nicely understated Rebecca being particularly worthy of note. From the opening



moments of lightweight backchat, to the closing moments of conflict all are utterly believable, both comic and tragic.

Without doubt a superb production, that is well worth the effort to see it. Concessions are available on Thursday and Friday night at £5.50, and on Saturday Matinee at £2.50. There is a special student Matinee on 31 October, £1.50 booked in advance. The Theatre itself is situated at 269 Kilburn High Rad, NW6, and is easily accessible from both Kilburn underground and Brondesbury BR.

Pendragon.

Video Competition



This is your chance to win a pair of videos starring Michelle Pfeiffer. There are three copies of both *Dangerous Liaisons* and *Tequila Sunrise* to be won by answering these three simple questions.

In the event of more than three correct answers winners will be pulled from the editor's hat.

1. *Dangerous Liaisons* tells of Michelle Pfeiffer's seduction. In which film was she seduced by a devilish joker?
2. In which film was Michelle Pfeiffer the successor to Olivia Newton-John?
3. Michelle Pfeiffer recently played a singer opposite two real life brothers playing brothers. Who were the brothers?

Entries should arrive at the FELIX office no latter than Wednesday 17th October.



Clubs & Socs

Amnesty International

The week of 15-21 October is Amnesty International Prisoner of Conscience Week. A prisoner of conscience (or POC) is defined by Amnesty as being someone who is imprisoned on account of their political or religious beliefs, or their race, colour or sex, who have not used nor advocated the use of violence. The adopted prisoner of the Imperial College Amnesty Group is Alaattin Sahin, a Turkish chemical engineer.

During the 1970s a large number of political groups and parties were formed in Turkey. Following the military coup of September 1980, all political groups and the publications associated with them were banned. Their editors and journalists were arrested and tried because of articles they had written or published quite legally at that time.

Alaattin Sahin is one of these journalists. He was arrested on 26 May 1980. In 1977 he had been the editor-in-chief of a journal called 'Hallein Yolu' (People's Way). He was charged with making communist propaganda, insulting the authorities and inciting to crime. He received sentences totally more 130 years' imprisonment. These were combined to the maximum possible sentence of 36 years—the equivalent to life imprisonment.

Amnesty International knows of no evidence that Alaattin Sahin used or advocated violence. He is, therefore, considered to be a prisoner of conscience imprisoned in violation of his right to freedom of expression as set out in Article 10 of the European Convention on Human Rights to which Turkey is a state party.

The Amnesty group at IC regularly writes letters and campaigns for the release of Alaattin Sahin. To find out more about the work of Amnesty, internationally or at IC come along to our first meeting on Tuesday 16 October in the Clubs Committee Room (top floor Union Building) at 5.30pm. We will be showing an introductory video.

UROP

The summer of 1990 proved to be a very unique experience for me and one that

shall hopefully act as a catalyst to greater things to come. The last few summers have mostly been a case of my trekking around employment agencies to find that there is no job available for me. When I was at school, it was the college students who had priority, but when I entered college, somehow the school students were taking my job.

Thus, last autumn I vowed to do something different. Most of us have heard of the Undergraduate Research Opportunities Programme, UROP—a scheme which I admire for giving opportunities to students to participate in the research being done in the college. There is a joint UROP summer programme with Delaware University, USA, which is fully paid and a great opportunity for anyone. I got myself on this scheme, only to hear about a similar scheme at MIT—this time unpaid and mainly a case of a UROP office at MIT making room and time for an Imperial student. This idea enthralled me—doing research work at the top technological establishment in the world. So I wrote a few letters, made a few long distance phone calls and voila! I was accepted to do work at the Center for Space Research, there. So off I went.

Things were not cheap in Boston, but being a student gave me experience in handling this problem. Only the food there is a lot worse! The research that I was doing was in a relaxed atmosphere, with a lot of team enthusiasm being generated. For example, every Tuesday evening we all went out and played softball—a game termed as 'the old man's version of baseball'. I was not pressured by my supervisor, mainly because the project I was doing required a lot of referrals to him, and he was much more busy than I was. So while I was there, I got interested in the work being done at Harvard Business School which is only two miles away from MIT. I decided that I would like to broaden my horizon, and maximise the usefulness of the trip. So after a bit of newspaper reading, I found a topic which I was interested in—Europe 1992! Then made a few phone calls and found a professor who had time to accommodate me. My professor did not act as a supervisor as such, but more like

a guide. He would tell me what he was looking for in the report and I would go out and spend time myself compiling the relevant information. The result was a report on the British Non-Life Insurance Industry, and a lot of experience.

The opportunity for anyone to make their summer as interesting as mine is open to anyone. I was actually at MIT with two other Imperial students. Both these students apparently had an excellent time and one of them (Miss Agoropoulou, Biochemistry), who is working in the Biology department there, has been invited back there to do further research work, next summer. If there are any students who are interested in working for MIT for a summer (remember no salary or expenses must be assumed, although things might change by next year!!), go to the UROP office (Mech Eng 313), copy the relevant pages in the MIT UROP booklet, and then write letters, with CVs, to everyone. And then wait. Good luck! And it is worth noting that this opportunity is not restricted to MIT only. It is possible for a persistent-enough person to get to any university of his (her) choice, ACROSS THE WORLD!!! (As long as money is not a problem. Let's face it, who would turn down an intelligent Imperial student to work in their laboratory?)

Eric Kochhar, Elec Eng 3.

FilmSoc

When Arnold Schwarzenegger leads a squad of crack commandos deep into the South American rain forests it's pretty obvious it's not, for a picnic. Add extra terrestrial Elmer Fudd (hunter anyway) and all the ingredients are ready for a macho sandwich. The film however has a lot more style and suspense than it should and brings the IQ level of the film into double figures. Good SF! Good action! Some plot! Great value! Only 80p for members or £2 membership with a free film. Come to Mech Eng 220 at 7pm on Tuesday October 16.

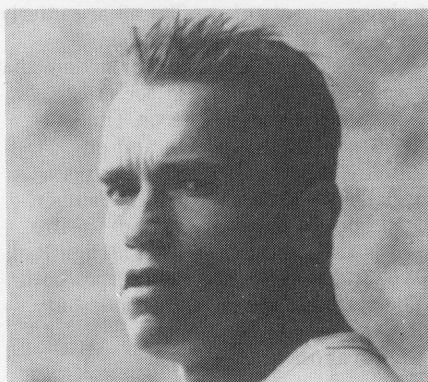
POSTGRADUATES please note

The Maths Advice Centre gives guidance to PGs on mathematical problems connected with their research projects.

Please contact:

**Dr Geoff Stephenson,
Room 6M24, Maths Dept.
Tel: 5752**

for an informal discussion of your problem



ICESC



Imperial College European Sailing Challenge (ICESC), the syndicate from the IC Yacht Club which took part in the Spi Dauphine Challenge last Easter, is back, and is now in full charge of the IC Yacht Club, and aiming to make it a race orientated club.

The club is starting off the season by taking part in the Hamble Winter Series on a hired First Class Europe from Benetteau. The races will be held for eight consecutive Sundays starting on October 14. We will be practicing on Saturdays and will give everyone a chance to enjoy the thrill of racing.

For those of our members who have never sailed before, we will take you out the weekend of 20 and 21 October, if you are interested, please contact one of the members of the committee ASAP.

Cruises will be organised later during the term.

If you want to join us, contact one of the members of the committee. The IC Yacht Club will be having a meeting on Friday 11 October at 12.30pm in the Huxley Building, room 413. All members please attend, if possible.

is a 40% subsidy that can be reclaimed from the Union for all of these expenses.

I cannot guarantee when you will get a licence, but something like five days may get you the first stage, slightly less for the parapenters.

If you need further persuasion or reassurance, or if you are already

has been run in previous years and intend to pick it up off its bottom and really do something useful with it. There will be proper club meetings at which members can come and put forward their views and ideas on how they think the club should be run and what else the club needs. At present, I am the chairman, acting secretary, acting treasurer and acting publicity officer and being a busy third year, I would more than welcome a few hands to aid me in the running of Micro Club. Consequently, once there are enough members, I will hold elections for all the posts. Remember, if you're not a member, you can't vote or stand so come along on Wednesday afternoon at 1.15pm and sign over your hard earned cash.

If you are interested in computers for whatever reason please come and join up. If you already have a computer, especially one of those that we already own, you'd be mad not to join.

To find us, climb the Union stairs and turn left. Follow the corridor round past STOIC and the Ham radio society and you'll see the sign directing you to us.



Hang Gliding

Firstly, I must apologise for the absence of the hang gliding stand from the Freshers' Fair, I am sure one or two people must have noticed. Consequently there has been no chance for me to persuade prospective hang gliders to sign up, until this.

Previous chairmen have started by attempting to compare hang gliding with other pastimes, but there is little point. Most people can imagine what it's like.

I am also trying to start a parapente section, which is becoming an increasingly popular sport. Parapentes are the garish square parachutes that you see floating up and down the Alps, it is quite big with French skiers who are bored with Black slopes.

Now for the rather tedious business of cost. Both hang gliding and parapenting have to be taught by a qualified instructor. This is done by 'Freeflight Hang Gliding', also known as Eddy, who is based on the South Downs, just outside Brighton. I am going to phone him some time and negotiate a discount, but the following is a rough guide.

£15 BHGA membership (including third party insurance for the fence you fly into).

£35 per day for Eddy's beer money.

£6 per day for train travel to Brighton and back.

If there is enough interest we can take a minibus, reducing the travel cost. There

converted, then please come along to a meeting. These will be held upstairs in Southside bar at 12.30pm on Friday lunchtime. Otherwise write to me, Simon Cole, via the Mech Eng pigeonholes.

Micro

This is just a little note to inform all the budding computer wizzadz out there that Micro Club exists again. Like the beautiful phoenix in that wonderful BBC tv kiddies programme, we have once again risen from the ashes and are back in (serious) business.

And now for the news: at the end of last term we managed to prize an Amiga 500 out of the RCC together with a monitor, extra half meg of ram and a few bits of software. The atari is still going strong (though the mouse is completely in the toilet! Any budding sparkies are more than welcome to come and take a look).

Secondly, Micro Club is going to be a lot better this year. I am completely fed up with the shoddy manner in which it

Snooker

The 1990 Freshers' Tournament was won on Sunday by David Johnstone in rip-roaring final. The competition attracted fewer entrants than recent years, mainly due to poor publicity. The champion won the princely sum of £12 and a trophy yet to be presented.

Students should note that signing up at the Union fair does not make them members or entitle them to play in the club. A £4 membership fee must be paid to receive a membership card. You can join by bringing your money any lunchtime to the club (top floor Union Building).

The Club will be holding the November Open into which any member can enter. Watch the walkway and your pigeonholes for details.

Table Tennis

Anybody who is interested in playing table-tennis come along and join the club on Wednesday afternoon (1.30pm) on the top floor of the Union Building through the Snooker room.

Membership fee is £4. Further information can be obtained from the Club noticeboard in the clubroom itself. Equipment is supplied for members.

What do you call someone who is all of these:

- A diplomat
- A marketeer
- A logistics officer
- A public relations expert
- An accountant
- An explosives expert
- A leader of men
- A manager
- A consultant



Simple...
a Schlumberger Engineer.

A Schlumberger engineer assesses the potential of oil wells using very sophisticated measuring techniques. But as oil exploration and production takes place all over the world, from the Arabian Peninsula to the Australian outback, the way engineers go about gaining this data requires a unique ability to work in all environments with all the skills at their command.

If you have a hands on approach to engineering, a state of the art knowledge of your degree discipline, a love of the world and a respect for its peoples, you may have what it takes to work with us.

Contact your careers service or Suzanne Marley, Recruiting, Schlumberger Wireline & Testing, 1 Kingsway, London WC2B 6XH.

Meet us at the Careers Fair on 16 and 17 October
or come to our presentation on 6 November -
6 p.m. in the Sherfield Building.

THE COMPANY

Schlumberger

OF ENGINEERS

What's On

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



FELIX

FRIDAY

- Conservative Soc Meeting**.....12.30pm
Mech Eng 701.
- Yacht Club Meeting**.....12.30pm
Huxley 413.
- Rag Meeting**.....12.40pm
Union Lounge. Find out about Monopoly and give Tanya a big hug.
- Friday Prayers**.....1.00pm
Southside Gym. See Islamic Society.
- Swimming**.....6.30pm
Sports Centre. New members always welcome to join in fun fitness training.
- Water Polo**.....7.30pm
Sports Centre. Come along and join in one of the most physically demanding sports ever inveted.
- Latin American Party**.....8.00pm
1st Floor Union Building. Food, dance, music and fun.

SATURDAY

- Monopoly**.....10.30am
Beit Quad. Play Monopoly on a decent sized board.
- Catholic Society**.....7.00pm
Southside Bar area. Pub crawl.
- Boat Club**.....9.00pm
Putney Boathouse

SUNDAY

- Catholic Chaplaincy**.....11.00am
53 Cromwell Road.
- Wargames**.....1.00pm
UDH. All welcome.
- Catholic Chaplaincy**.....11.00am
53 Cromwell Road.
- Boat Club**.....9.00pm
Putney Boathouse.

MONDAY

- RockSoc Meeting**.....12.30pm
Southside Upper Lounge. Come and hear the latest (beer optional). All abnormalities welcome.
- 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.
- Rock n Roll**.....7.00pm
JCR. Beginners
- HG Wells Soc**.....7.30pm
Physics LT1. Johnny Ball speaks on 'It's not my problem'.
- Water Polo**.....7.30pm
Sports Centre. Come along and try one of the most physically demanding sports.
- Latin American**.....8.00pm
JCR. Beginners/Improvers

TUESDAY

- Riding Club Meeting**.....12.30pm
Southside Upper Lounge. Come and see how it feels to have 16 hands between your legs.
- Radio Modellers**.....12.30pm
Southside Lounge.

- Cathsoc Mass**.....12.30pm
Mech Eng 702. Followed by lunch.
- ConSoc Speaker Meeting**.....1.00pm
Mech Eng 220. Cecil Parkinson MP.
- Jewish Society**.....1.30pm
Union Dining Hall (1st floor Union Building). Rabbi Gerhon Overlander on 'And now...the future.
- Radio Modellers**.....5.30pm
Student training workshop. Mech Eng.
- Keep Fit**.....5.30pm
Southside Gym.
- Amenesty International**.....5.30pm
Clubs Committee Room. Weekly meeting.
- Social Ballroom**.....6.00pm
JCR. Beginners.
- Judo**.....6.30pm
Union Gym.
- Latin American**.....7.00pm
JCR. Bronze Medal Class.

WEDNESDAY

- Keep Fit**.....12.30pm
Southside Gym.
- Speaker Meeting**.....12.45pm
Maths Room 410. Finance Business and Investment present 'How to read the financial pages' with FT Author Terry Byland.
- Wargames**.....1.00pm
UDH. All welcome.
- Micro Club Meeting**.....1.15pm
Top floor NW corner Union Building. Every week.
- Rowing Club**.....2.00pm
Putney Boathouse.
- Basketball Club**.....7.30pm
Volleyball Court. Women's Team

THURSDAY

- Gliding Club Meeting**.....1.00pm
Aero 266. Come and arrange a trial flight. All newcomers welcome.
- Keep Fit**.....5.30pm
Southside Gym
- Social Ballroom**.....6.00pm
JCR. Intermediate.
- Judo**.....6.30pm
Union Gym.
- Social Ballroom**.....7.00pm
JCR. Beginners.
- Latin American**.....8.00pm
JCR. Gold medal class.

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.
- ICSF LIBRARY is now open every lunchtime 12.30-1.30pm.
- FRIDAY 19th October is coming—are you in RockSoc yet?
- THANKS to all the cloakroom bods, love Steve.

- LIKE Haiku poems? Just wait 'til November 14 and be amazed.
- COMING soon in Covent Garden type place near you. Mad pandas groove around and be nice to people.
- 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.
- ANYBODY out there interested in re-starting DocSoc. Contact me, Paul Ness, Comp Sci II. We need committee members urgently.
- FOUND after comedy night. Small dark brown suede purse containing some money. Please can the owner come and claim it from Murray Williamson, ICU Office ext 3503. You will have to give a description of contents.
- DANCE CLUB: Ballroom, Latin American and Rock 'n' Roll dancing—all levels catered for, no need to bring a partner! See what's on column for details of days.
- SWIMMING & WATER POLO: Please could all students who signed up at freshers' fair, but who have not yet turned up for training, please come over to the College sports centre and try it out. See what's on for details.
- PARACHUTING Club will be holding meetings on Tuesday October 16, 6.30pm, LT2 Chem Eng. Thursday Oct 18, Green Committee Room, to sign up for jump course. Training on 23, 24, 25 October from 6.30pm to jump on Saturday 27 October. £80 + membership fee of £3.50.
- AUDITIONS for 'Billy Liar' and 'Winnie the Pooh', 2.30pm Concert Hall this Sunday (14) and Wednesday (17)

PERSONAL

- I AM AN agent of the FBI. The password is Terry Byland—'How to read the financial pages'. My rendezvous is in Maths 410 on Wednesday 17 October at 12.45pm
- LOVE FROM afar? Dr Holt from the London Zoo talks on Artificial Insemination in W2/W3 Beit Arch on Tuesday 16 October. All welcome. Free food and drink.

FOR SALE/WANTED

- ARCHIMEDES 310 monitor, printer. Need dosh quickly so £600 ono. Contact Hugh Choudhury DoC II.

ACCOMMODATION

- FEMALE required for West Kensington flat with two double rooms, sharing with 1 female and 2 male undergrads. Rent £37.50 per week. Phone (071) 603 0374.
- PERSON wanted urgently to share a room in flat in West Kensington. Non-smoker essential. Rent £46.50 per week. 071-385 1797 for details.
- FOUND: Floppy velvet hat, at the Freshers' Ball last Friday. To reclaim contact Emma on int 3621 before she gets attached to it.
- GUITARIST wanted to swap chords etc—not too serious—play in front of crowd once or twice a year—contact PG on ext 6882 or Plasma through Physics pigeonholes.



Scribblers' Corner

Pricey Publications

Dear Chris,

If any students are about to buy books from the Union Bookshop I think they should consider shopping elsewhere.

Having just bought a book from the bookstore I subsequently found it in a high street bookshop at a much cheaper price.

When I returned to the bookstore to ask for a refund I was informed by the manager that book prices are set by the Government and cannot be reduced by the retailer. In addition the bookstore's policy is to refund money on faulty goods only thus I was not entitled to a refund.

Having noted the bookstore's concern over students needing to make their money last (FELIX No 876). I feel sure they can have no objection to others being made aware of the fact they can get better value for money elsewhere.

Yours sincerely,

G Andrade, Physics 3.

Band Aid

Dear Chris,

We, the Wild Angels, played in the UDH last Monday. We have gone down the ladder of fame as we used to be one of the top College bands but BJ has booked us every time last year. Thanks BJ.

If anyone wants us for a party or rave our contact/agency number is 0483 725373. We charge reasonable rates.

Cheers.

From Mary's With Love

Dear Chris,

Following fluctuations in the friendliness between the Unions of St Mary's and IC since the merger, I am very encouraged to see that this year the good relations set up by last year's unions continues.

This has been particularly emphasised by the presence of Paul Shanley at several events during Mary's Freshers' Week. IC is quite clear that Shan feels quite at home with us at Mary's, although whether I'm happy at being introduced by him as a 'Fat F**k' is less certain (but what else would you expect from a second-hand car salesman).

Shan is particularly popular with the first year students at Mary's, especially with two people neither of which have Y Chromosomes. Indeed, Mr Shanley took great pleasure in waking me up at 3.00am on Tuesday morning with a young, innocent Mary's first year girl on his arm. My chance to reciprocate, Shan, will come soon.

I write such facts not purely for gossip's sake (as if that is not a good enough reason), but to show that the relations between Mary's and IC continue to become closer (perhaps too close, Shan?). Long may the friendships continue.

Simon G Smith,

President SMHMSSU.

Offence or Defence?

Dear Sir,

Why are the finest minds that Britain has to offer so apathetic to subjects such as the Gulf? Doesn't it worry people that Iraq has walked into a defenceless country?

What I find particularly amusing is the attitude of the left-wing parties that Kuwait is a rich state that hoards its wealth. Ha! Kuwait has no taxes, free education, free health service, in fact it is a perfect welfare state. Iraq, on the other hand receives about the same income (in \$ of oil per capita) and chooses to spend its money, not for the good of the people, but on arms, developing nuclear weaponry, chemical weaponry, fighting lengthy wars, and killing people, including its own.

Surely we need to encourage countries to spend more on civilian development? If we do not defend Kuwait now, we are forcing countries which would otherwise pursue social programmes to arm up to defend itself. It is up to us, the developed nations, to intervene to make an example out of Iraq.

To this end I would propose stealth attacks, nuclear if necessary, on ALL military targets in Iraq. Oil facilities should be secured by conventional troops, and the oil used to pay the UN member states for the cost of invading, and for war reparations to Kuwait. If Iraq uses chemical weapons we should have no hesitation in retaliating with nuclear weapons. One might argue that the Iraqi citizens are innocent, but as long as they choose to be led by a manipulating religion they are as guilty as their criminal leader. Anyone who kills for the abstract idea of God does not deserve to live. As for the threat of a human shield, it must be ignored. It is simply a matter of terrorism. We do not give in to the IRA, the US did not give in when the TWA jet was hijacked, we must not give in now that a whole country has been hijacked.

Athena.

Royal College of Science Association CAREERS FORUM

6.30pm,
Tuesday 16th October
Senior Common Room
Sherfield

An ideal opportunity to meet people from a broad spectrum of the industrial, commercial and managerial world, able to offer objective advice regarding jobs, careers and prospects in your particular field.

An informal buffet supper will be served at a cost of £2.50 and a cash bar will be available.

Bookings should be made at the Old Students' Association Office, Room 303, Sherfield.

IMPERIAL COLLEGE

Academic year
pocket diaries are
available in the IC
Union Bookstore
now
only 600 available

PARTY!

every Thursday night.
Come along for free wine
and the inside story. The
FELIX office, 7pm onwards

Manager's Bit

i

BIT

A slightly more ordered week to Felix means that I shouldn't feel completely dead today. So if you need something sorted out come to me today or Monday. That's what a few collators turning up does for you, thank Gaia.

BBQ

I was dismayed to see on Thursday morning the mindless destruction of the Barbecue in Beit Quad. Not only was this facility a useful asset to every student in this union (and other college members) but it was a trial and a half to construct it in the first place.

It was rumoured (heavily) that a particular rugby club within IC was involved, after losing their match on Wednesday afternoon. Closer than this I cannot get as it turns out all the rugby teams lost their matches.

Why is it that after a few beers internal idiots come out of their shells? Perhaps it is time to toughen the interview techniques to sort out the jerks from those who just get silly after a few jars.

Anyway, you're a bunch of jerks whoever you are.

Careers' Fair

In the middle of the Careers' Fair organisation it all seemed so up in the air that the whole point had been wasted. As far as I suspected the increased subscription fee to companies would force many not to attend. The fact of the matter is more companies are coming this year than last.

Less of a profit has been raised. A drop from £30,000 to around £5,000. This money was used inappropriately then but it did go towards student facilities and new ventures.

I hope that the Careers' Fair in its new form is well received by its' users, us, and that next year this year's mistakes are learned from. Unfortunately our Fair clashes with those in Edinburgh, Oxford and Southampton.

Teddy Bear

The Felix teddy bear has suffered greatly this week. As a stress releiver it has

undergone a transformation from bear to basketball. It's legs, arms and head pushed into it's body, and for the first time it bounced. A hoop was erected and the game began.

Soon this was followed by a quick round of volleyball until it began to reform again into what resembled a clubed seal. Not a pretty sight.

Credits

Printing and Typsetting: Andy Thompson and Rose Atkins, **News:** Toby Jones and Adam Harrington, **Features:** Roland Flowerdew and Sarah, **Music:** Sarah, **Reviews:** Adam T, **Photography:** Richard Evers, Karveh Guilanpour and Roland, **Paste-up:** Ian Hodge, **Collators:** Adam, Toby, Jeremy, Ian, Richard, Tanya, Hal, Paul, Steve, Andy Butcher, Sue Ahmet, Jim Bryant, Ric Davis, Frank Evers, James Grinter, Saleem Choudhery, Paul Reah.

Last week's collators were: Stef Smith, Toby Jones and Me. Thanks folks.

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- as much coffee as you can drink

Come along to our cheese, wine etc. night on Monday 15th at 7pm.

You can find FELIX in the northwest corner of Beit Quad.

*Old Royalist's Association
in the UK*



Social Evening

Bar, Disco, Dinner & Raffle

The Sherfield Building
IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY
Exhibition Road, Kensington

on
Saturday, 20 October 1990
7.30pm - 2.00am

Tickets are £11 each including Disco & Dinner
from Karu on 081-853 3207 or Navin on 081-567 2352

We especially welcome old boys of The Royal College, Colombo, now
studying at London University.



Union Page

Union Posts

These two posts are up for grabs this year. Can anyone interested, please contact me soon.

IRC Chair (see Ben's bit)

Transport Office—Looking after the maintenance and good running of the Union van fleet. This includes checking vans in for service and ensuring their efficient running. Although it is not essential to get involved in the actual mechanics, the ability to fix a new mirror, change a wheel etc, may be useful.

Transport

Parking permits have been issued to the following people. They can be collected from the Union Office on Monday October 15 between 2pm and 5pm on production of a Union Card.

Anyone who has already unsuccessfully applied may appeal against the decision. Appeals should be made by completing a new application form—available from the Union Office. Anyone who hassles the Union Receptionist over permit decisions will have their application form ceremonially brunt.

Parking Permits:

Abu-Elbasher, O B	UTT 677X	Hartley P
Alfaiz, A R	0749 TTU	Hayatt S O
Al-Gheithy A A	TUE 68W	Healy D
Al-Hukai, Y O I	D372 CLK	Hetzel C
Al-Husari, M M	E971 KRY	Hirst B J
Alinaghian, P	A159 YMO	Ibrahim A P
Al-Raihani, H A	D618 OUD	Isaacs R
Alvi, A U	E824 TWW	Jagota, N
Amarnath, N M	G64 YME	Jelveh, H
Askeland, T	B729 WYR	Joslin, E
Bae, C	B866 YGD	Kanellopoulos
Bannister, W D	C108 XLB	Kelly C
Barker, T	F247 DLD	Khan, K H
Barnard, B	IPB 314V	Kremien, O
Carbray, J	D128 OWL	Lay, N P
Castro, J F B	XLT 717S	Lennon, T
Chan, Y H Y	A806 GBY	Leung, L
Chedid, R	PLY 864W	Lopes, M
Chen, Z	A870 EPV	Makrimichalou, S
Cheung, E	C931 TAV	Mantock, C
Choi, Y C	F928 RYE	Maria, M I
Choomchuay, S	D761 UJM	Merali, M
Chowdri, M A	G326 WMC	Mullan, M U H
Christoula M	XHX 631T	Musson D
Corlay, M	9209 NK92	Nagy, J
Dean, R J	C947 MJN	Nikadari, N
Denno M G	NPO 878	Sharaiha, Y
Despina, A S	E64 LLO	Oral, M K
De Toledo, P E C	D777 JHV	Oliveira, P J
Doulton, D M	F915 MNM	Otlet, G
Dryllerakis, K	KGM 121W	Park, Y H
Eccles, P	RVR 494W	Parris, D
Enwere, M P	NBW 234W	Patel, S B
Gaynor, K	E163 TDA	Quamar, M A
Geeson, R D	A58 ADT	Malik, M R
Gilardi, G F	TO 4055D	Razmilovic, A
Gomes, P	JGT 939Y	Rizvi, N
Gooch, J V P	D689 AVT	Rumny, M H
Hamdan, F	B366 MNG	Savage, J

The second list of registration plates is for those who will be given a permit on submission of a medical certificate.

Insurance

Can all club captains/chairmen please submit an inventory of their club's possessions. If this isn't done, the insurance company won't pay out on any claims. These need to be submitted by Friday October 26.

Cheers,
Shan.

Rape Alarms

To use the new, smaller rape alarms, make sure you depress the red top fully.

Thanks

Thanks to the following groups, who all got involved with the plans for stewarding Friday night's Freshers' Ball and who will undoubtedly be called on again in future carnivals:

Guilds
Links Rugby

RCS
Rag
Wing Chun
Ents
Other Sabbs
Dramsoc
Bar staff

Ben

Quick Word from Hon Sec

The week has been a little less hectic than last week. Tomorrow there is a huge party for Mencap collectors. To gain entry to the bash you will have to do the Monopoly.

Secondly sorry to the Chinese, Singapore, Malaysian, Indian, Islamic, Latin American, Nigerian, Cypriot and Hellenic societies as they got missed out of the Freshers' FELIX. I hope you received your required interest.

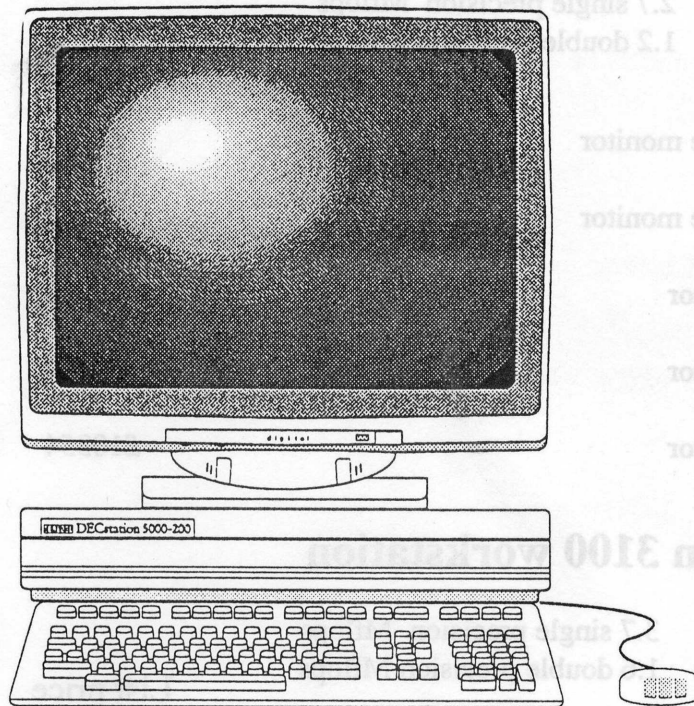
Murray

B389 AML	Shaikh, Y I	JME 102W
PBY 625W	Siu, L	KUI 482X
JGT 200T	Sohanpal, K	AGW5 98Y
OCD 912W	Steward, H J	D860 XPG
SGH 690V	Stratt, R W	H53 FDP
C734 PUF	Sualp, M	C632 JGT
C837 GRO	Subbarad, H	G475 LGH
EBM 80Y	Subryaw, N	B527 LHS
MFS 602X	Sucar, L E	A510 GLP
KPU 658J	Sulaiman, O	FJE 584W
YYY 807T	Szeto, K W	NMD 828X
BOO 593T	Talbot, S A	RMD 484Y
SYF 186F	Talukdar, A	JLU 677K
B360 UYO	Tang, C	NKM 397W
A270 PPO	Tang, P	C738 ULY
E454 MRU	Taylor, R J	TKK 288N
HUM 367	Terling, K	F347 CGP
JU-53-79	Tsui, F P C	OCL 859W
NUW 132Y	UMUR, H	BJX 71V
F956 PWK	Wah-Cheong, L	GCT 60ZW
C29 BUL	Wong, S	H992 XYF
G812 AHP	Wong, W	F168 PYF
G62 JRN	Zarrati, A	EYH 981V
ELY 689Y		
LGN 508V	and	
DAT 107T		
AOY 333S	HYB 253T	
A110 RYT	DHE 946X	
B164 NLC	XNU 124Y	
AVA 912V	C998 BFK	
D787 EYO	F847 PLN	
PEF 433X	APK 192Y	
A260 VOV	CJK 445V	
STW 59W	E123 FLR	
A716 WNL	D84 MTH	
F587 FFC	RNK 876W	
E290 KBY	GT-HX 588	
A180 FPK		
G224 TTY		

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Until 26th October 1990, Digital is offering Imperial College a 50% discount off list price for all workstations, memory, disk & tape drives and add-ons on orders over £500.

Here are just some of the discounted configurations for Digital's RISC workstations:-

DECstation 2100 workstation

10 integer MIPS 2.7 single precision Mflops
8.3 SPECmarks 1.2 double precision Mflops

	List price	Discounted price
15" monochrome monitor	£5253	£2627
19" monochrome monitor	£5763	£2882
15" colour monitor	£8228	£4114
16" colour monitor	£8262	£4131
19" colour monitor	£10354	£5178

DECstation 3100 workstation

14 integer MIPS 3.7 single precision Mflops
11.3 SPECmarks 1.6 double precision Mflops

	List price	Discounted price
19" monochrome monitor	£8610	£4305
16" colour monitor	£10685	£5343
19" colour monitor	£12865	£6433

DECstation 5000 workstation

24 integer MIPS 6.4 single precision Mflops
18.5 SPECmarks 3.7 double precision Mflops

	List price	Discounted price
19" grey-scale monitor	£12945	£6473
16" colour monitor	£14225	£7113
19" colour monitor	£16345	£8173

All the above systems are configured with 8Mb memory, keyboard, mouse, SCSI interface, ethernet interface and ULTRIX licence. Prices shown above do not include VAT.

A full range of memory upgrades, disks and other add-ons are also available at discounted prices. Call Digital's Workstation Team on 071-412 6564 for further details.