



# Felix

THE NEWSLETTER OF IMPERIAL COLLEGE UNION

## KENNETH BAKER PAYS A 'SURPRISE' VISIT

# Loads-a-dosh says Ken



In an informal discussion with Imperial College students on Wednesday, Secretary of State for Education Kenneth Baker, MP announced his plans to introduce loans to top up student grants. The discussion was part of a 'suprise' visit during which Mr Baker toured College departments and had lunch with the Rector, Professor Eric Ash and other academic staff.

Mr Baker plans to submit a white paper on 'top-up loans' to the Commons in December this year. He explained that there was 'no question of an abolition of the grants system' and added that he felt his plans for student 'top-up' loans would be very attractive to students.

In the future, Mr Baker said that he would like to see money being distributed by Universities in the form of Scholarships and Awards. He went on to say that he looked upon the idea as a move to former years when Scholarships were more prevalent.

When asked about the

Government's plans for a 'Community Charge', Mr Baker said that students will be able to pay the charge at the rate of their home town if they register at home. In contrast to a popular view that students will gain a rebate against a national average he said that students will remain eligible for a 80% rebate against the actual charge that they pay.

He admitted that his plans for a student-loan scheme will lead to a 'disentitlement to benefits,' but added that the 'generous terms' of the loans should compensate for the loss of benefits.

Mr Baker was later interviewed by the Student Television Of Imperial College (STOIC). He described Imperial as 'a distinguished and excellent College with a world lead in various aspects of science.'

He went on to deny allegations of 'underfunding' Universities, saying that he had 'provided a fund of £250M for the restructuring of Universities' and had 'increased the spending on Universities last year by 10% and for next year by 8%.' He added that college mergers designed to save money were 'a possibility' although he felt that it was 'essentially a question for the Universities to decide.'

The Rector, Professor Ash said he thought Mr Baker's visit had been 'very successful.' He went on to say that he felt Mr Baker was a 'reasonably good listener,' and said that he was 'mildly optimistic' about Mr Baker's plans for Universities like Imperial.

## Call for rent strike

Students have voted in favour of a College-wide rent strike in the Spring term if a policy to subsidise residences with overseas students' fees is not passed by the College's Governing Body. A motion passed at Tuesday's Imperial College Union General Meeting requires the Governing Body to transfer £1000 to the Residence account for every additional overseas student above last year's figure.

The motion comes in response to threats of rent-strikes from residents of Beit and Fisher Hall. Complaints have centred around this year's rent increases and the introduction of a twelve week rent for the first term.

The College claims that the

increases are due to a deficit on the Residence Account last year of £170,000 with a further increase of £100,000 predicted for this year. The law prevents the College from easing the debt by transferring funds from other areas.

The proposer of the motion, IC Union Honorary Secretary, Ian Morris, claims that funding from overseas students can be handled differently. He maintains that it is possible for the College to transfer a part of the funds from overseas students to the residence account. He argues that, whilst the College is gaining further revenue each year from an increasing overseas intake, students at Imperial are having to

pay higher rents as the College buys further loan financed accommodation.

Loan-financed purchases, including that of Fisher Hall, have placed a considerable burden upon the residence system recently. The deficit on the residence account is increased by £50,000 for every point increase on mortgage rates according to a letter from Student Residence Committee Chairman Brian Levitt to the Rector.

Nigel Baker, IC Union President, has expressed doubts about the validity of the proposal after speaking to the Rector on Wednesday. Mr Morris commented 'It should be good fun anyway.'



## Fisher Hall Blues I

Dear Bill,

I am writing to draw your attention to the extortionate amenities charge being levied in Fisher Hall this term. On top of the rent rises already discussed in FELIX, the residents are being asked to pay £17 amenities charge for the term, which is considerably higher than last year's charge. This will generate around £3,000 for the Hall's fund this term.

So what will all this money be spent on? The warden, Dr Richard Murphy, has refused to give a breakdown of what the money will be used for and how the figure was decided. We are several weeks into term now and the only social event so far has been a cheese and wine party. In fact, the Hall committee has only just been elected this week. Will they be able to spend all the amenities money before the end of term? Last term the Hall was smaller, the charge was only £10, and still the Hall committee had great difficulty finding enough events to spend all the money on.

The newspapers and video are unlikely to come to more than £500. Can we expect the remainder to be spent on social events, at a rate of £350 per week for the rest of term? Well, what have the subwardens been up to so far? There appears to be some degree of incompetence here. For example, the kettles have not yet been distributed to the kitchens despite the fact that they've been sitting in the Hall office for nearly two weeks. The most recent excuse given was that 'Two of them haven't got plugs yet'.

And what about the mail? The post office drops off the first post by 9.30am every morning. However, it doesn't ever reach the residents' pigeonholes until 9.30pm.

Many residents have repeatedly complained about this, but nothing has been done. And yet the subwardens are being paid the equivalent of £40 per week in free accommodation. Is it too much to ask that in return for this they try to do something for the residents?

Until we are shown some justification that we are getting our money's worth, the feelings or discontent amongst the residents will not disappear!

*Name withheld by request.*

## Fisher Hall Blues II

Dear Editor,

Last week the residents of Fisher Hall were in uproar over their rents. Why the rent rise? Why the extra week? Until they took time to read accompanying letters of course, which pointed out that the invoiced amounts were actually fair.

What appears to have escaped most people's notice is the extortionately high 'amenities' demand placed upon us. We are asked to contribute £17 per term for services aimed at improving or enhancing our social lives in Hall.

Yet after three weeks we have only just elected a Hall committee (by a dreadfully poor system). They will make no decisions for at least one further week. Over one third of the way through term we have nothing to show for the £6.18 per person already 'spent'.

Notably, there is no position vaguely resembling treasurer. Who is to decide where the Hall's £9000 is being directed?

Having spent last year closely associated with the committee in Hughes Parry Hall, (one of us was treasurer and vice-president), we are well aware of the expenditure necessary to support the far more active social life available there. Several major parties, heavily subsidised theatre and concert trips, an oenology group, £2000 subsidy on a Hall Ball, and much more. All in addition to the sports teams, videos, films, newspapers, special dinners, bar, and basic facilities (cooking, washing, sport) provided as essential activities. This was done on a budget of £5000, catering for 280 students, compared to 170 in Fisher Hall.

Anyone in doubt should ask a current HP resident. They'll tell you about Ronnie Scott, George Melly and other musicians visiting this year. Nobody will complain about the social life or grumble about the financing.

Why Fisher Hall can ask so much and show so little, not a budget or even a planned events list, is demonstrative of the disorganisation fundamental to the accommodation system at Imperial.

We only hope that members of other Imperial Halls are not suffering a similar treatment, or at least are better informed than ourselves.

*Yours sincerely,  
M R Condon  
J P Davies  
I P Mercer  
A Clarke  
(Fisher Hall, 23/10/88)*

## Poor Taste

Dear Sir,

We were horrified and sickened to read the small ad on PC Blakelock's death, which we found in extremely poor taste. What is just as sickening, however, is to find that the editor of the College magazine saw fit to print this ad.

*Yours faithfully,*

*Crispen, Steph, Clem, Simon*

## Moan

I am just writing to set the record straight on the continuing difficulties that I am having in getting stuff printed in FELIX.

At the start of term I handed in two cartoons and one article for the 'Alternative' page. When they didn't appear in the subsequent issue I rang to find out what had happened. You told me that

as the Union page had not arrived, you could not print this page. Although I pointed out that you could have easily reduced the Finbar Saunders cartoon and fitted some of the stuff in, I accepted this excuse and your guarantee that all the stuff would be printed in the next edition. All, that is, except for the mild parody of 'The Last Temptation of Christ', which you found personally offensive. You are the only person I known to have done so, out of the many who know about or have seen the cartoon. I was annoyed and did complain about this.

The following week most (not all) of the stuff I handed in was printed, although the cartoons were untitled and the article had the wrong title and was signed, when I asked for it to be anonymous. There was also a letter written by you (presumably) parodying me for complaining about not having my stuff printed (which I did not do), while neglecting to mention your personal censorship of a mildly controversial cartoon which could have provoked debate on the subject (a situation ripe for parody).

I have since had problems getting articles, such as film reviews, being printed, despite getting them in on time.

I hope that these problems have arisen merely because it is the start of the year and you are still getting used to the job, for to encourage people to spend their valuable free time writing stuff for FELIX when they're unsure of whether it will appear or not (or whether they'll get it back if it is artwork they want to keep) is going to be very difficult.

*Yours sincerely,  
Noel Curry.*

PS. If anyone wants to see the 'banned' cartoon, it will hopefully be appearing in *Broadsheet* shortly.

*I love you boo - Bill xtx*

## Sexist

Dear Bill,

I was disappointed that your editorial policy allowed the publication of the article about Roy Hicks 'Holiday Snaps'. In a college which is attempting to attract women students on the basis of equality with men, the article promoted a view in total opposition to that goal. Sexist and purile it pandered to discriminatory attitudes which should find no place in a quality student newspaper.

*Yours sincerely,  
Tonya Hills (Ms), Computing 2.*

## Baronist

Dear William,

What has happened to 'The Baron of Cheapskate'? FELIX is much poorer without it. Bring it back.

*Yours sincerely,  
Rouben A Drain.*



# Editorial

**Small Ads.** Following the inadvertent publication of an offensive and sick small ad in last week's issue, FELIX will no longer accept ads which are not signed with a student's name and department.

The small ad in question was submitted by a group calling themselves IC Class War Group. It contained references to the death of PC Blakelock who was stabbed to death in a riot. It was followed this week by an equally sick, unsigned letter which advocated, amongst other things, the firebombing of petrol stations. The letter has been consigned to the bin.

I have spoken to the people who submitted the ad and they assure me that an apology will be forthcoming. FELIX has no intention of printing any other material submitted by this group.

**FELIX editorial policy.** Articles will be accepted for publication provided they are interesting, attributed, and not unreasonably offensive. The Editor cannot guarantee inclusion of any articles submitted and reserves the right to edit any articles submitted.

**Credits.** Oodles of thanks to Dave Smedley, Andrew Clarke, Adrian Bourne, Sumit Guha, Doug King, Andy Waller, Sez Wilknison, Andy Bannister, Steve Meyfroidt, Dev, Yishu Nanda, Paul Barton, Andrew Hall and his flatmate, Liz Warren, Neil Motteram, Noel Curry, Susan Appleby, Martin Cole, Robin Davison, Adam Harrington, Nick Jones, Mike Bell, Islamic Society, Dave Thomas, Andy Mellor, Rob, Dean and Rose. Thanks also to anybody I have forgotten.

*Bill* x x x

Congratulations to Bill on receiving his degree today from all the FELIX staff.

## The Great Tray Robbery

Trays worth £2.40 each are disappearing from the Union Snack Bar. At the start of term there were one hundred and fifty trays. On Monday, Union Snack Bar Manager Dave Peacock, said he could account for about one hundred. He is now looking for some means of controlling where the trays are going.

## Narrow escape for student in ceiling collapse

A ceiling collapsed in Evelyn Gardens last Friday. This is the second time in two years that a bedroom ceiling in Southwell Hall has fallen in. The room was unoccupied at the time. Speaking on the incident Warden, Ken Young predicted 'There's a chance someone's going to get killed'.

The three by four foot slab of ¾ inch plaster crashed down onto the sink and coffee table, and a one foot by two foot chunk hit the bed. There was dust across the room and many items required dry cleaning. The ceiling is now in the process of being repaired by contractors.

Peter Leeson, Residential Superintendent at Evelyn Gardens, could find 'no apparent reason' for the collapse. He said that there is 'no way of telling' when the eighty year-old lathe and plaster ceilings will fall down. 'The ceilings sag and get tired' he claimed, 'but they do get checked every two years'.

Mr Leeson supported Mr Young's warnings about the fatal potential of the ceilings, but added 'I'm willing to risk it'. He claims that eighty per



cent of houses in London have similar ceilings and that two occurrences in two years is not frequent enough to cause alarm.

The collapsed ceilings are replaced by conventional plasterboard ones. The Hall is not financially capable of replacing all the ceilings; Southwell 'always overspends' its current budget for maintenance.

Twenty months ago a ceiling collapsed onto the feet of a student who was sleeping the wrong way round after drinking. No report of

the incident was made at the Student Residence Committee (SRC).

Mr Peter Hallworth, Managing Surveyor of Residences, declared that there was 'no real danger to students'. He said that similar events could occur as a result of, for example, 'the movement of students having parties in their rooms' or 'leaking showers', but did not see that this warranted a restructuring of all the ceilings.

## Divers rescued

Two students from Imperial College Underwater Club were rescued by helicopter from a diving incident off Skomer Island, West Wales last Saturday.

Club Chairman Steve Kilmurray and Jonathon Cunliffe were rescued after drifting four or five miles away from the shore for an hour and a half. Mr Kilmurray told FELIX 'If it had been another half an hour, I'd have been hypothermic'.

The two divers had aborted their dive after encountering poor visibility beneath the water. Upon surfacing they found they had drifted over two hundred yards from their boat and were unable to signal to it through a five foot swell on the sea. After attempting to swim against the strong current they tied themselves together and waited for the rescue services to arrive.

The helicopter which picked the divers up was accompanied by two inshore lifeboats, a diver rescue group and a group of small local craft. The divers were flown straight to Worthybush Hospital, Mavrofordwest, where they were later discharged.

## POTATOWRITER

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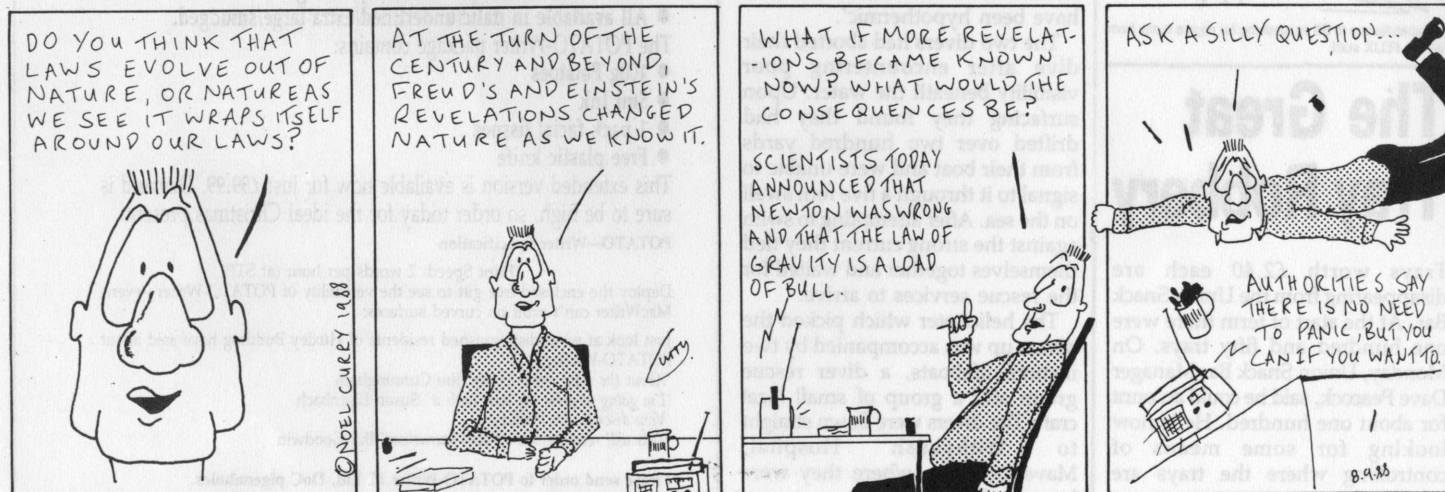
Please send order to POTATO-Writer IC Ltd, DoC pigeonholes.



# Just when you thought it was safe



## SouthKenders The next gripping installment





## FROM FELIX 1985

The Phantom Soaker has struck once more. Three plastic bags containing water were tipped over victims as they were seated in the gents toilets in the Physics department on Tuesday.

Similar attacks have been occurring since mid-September and thirty incidents have been reported to date.

The 'Phantom' has concentrated his efforts on the Sheffield building but has also visited the Physics and Mechanical Engineering department.

A letter, signed by 'The Phantom Soaker' has been mysteriously delivered to the FELIX office:

Dear Editor,

In reply to Dr R Benodekars letter published in the 18th October issue, the carrier-bag in question was not full of water as described but only half full of water. This kind of misleading information from so called 'academics' should justly be rewarded with a soaking and any other Imperial persons who are regarded by myself as 'snobby nosed swots' will be duly showered.

Yours sincerely,

The Phantom Soaker.

'The Phantom has got to be some kind of nut' said John Boroughs of Security.

Geoff Reeves, Chief Security Officer has expressed concern for the Phantom's health and is appealing for any relevant information.

## COMPETITION

1. What is the connection between Chas Brereton and a squirrel? The most witty answer wins.

2. To help decide between the witty answers: What does the squirrel think on Norman Tebbit's new book 'Upwardly Mobile'? (Maximum 20 words.)

Prize is a cuddly toy and answers should be in to FELIX by 12.30pm on Monday (c/o Concept Manager). The winners and answers will be published in FELIX next week. The judges' decision is final.

## HELP!

We require people to help with the production of FELIX. The post of Sports Editor still remains vacant and anybody interested in becoming part of this small, friendly team should come and see Bill Goodwin in the Office (top left hand corner of Union Building) at any time.

## Recipe

By YISHU NANDA

**I have never been treated to such a display of Spanish gastronomic wizardry. Maria Luisa Fernandez of Chem Eng was in total control as she demonstrated the art of making a paella to a keen group of onlookers—including the FELIX camera.**

The paella, one of Spain's internationally acclaimed contributions to the culinary world, originates from Valencia on the East coast. Whilst there are many variations on the ingredients one can use, the seafood paella must be the most popular.

## Ingredients

1 small cup Uncle Ben's American long grain rice  
Olive oil  
1 lemon  
1 medium size onion  
2 green peppers  
4oz cleaned squid  
6-8 mussels in the shell  
6-8 clams in the shell  
6-8 prawns in the shell  
6-8 oz chicken with bones  
Several cloves of garlic to taste  
Fresh parsley  
1-2 canned tomatoes

Although a paella is not a difficult dish to make it requires substantial preparation of the ingredients.

## Preparing the chicken stock

Place the chicken pieces in enough water to cover them. You might like to add any odd vegetables you have lying around to give the stock more flavour. Boil the chicken until it is cooked and remove all the chicken from the bone keeping the meat on a plate. Throw away the bones and reserve the stock for cooking the rice.

## Preparing the mussels

Buy many more mussels than you are going to use because they can always be frozen pre-cooked. Throw away any mussels that do not close when tapped. Wash the live mussels thoroughly, scrubbing them with a brush to remove any grit that might be stuck on them.

Place sufficient water in a pan to cover the mussels. Bring the water to the boil, add some salt and the mussels. Simmer until most of the mussels have opened. Throw away any that have not. Keep the mussle stock in reserve.

The clams can be prepared in the same way as the mussels. The clam stock should also be reserved. The mussels and clams can be prepared days in advance. Keep them frozen and refrigerate the stock.

## Preparing the prawns

Remove the heads from the tails. Place in a pan of boiling water. Simmer until the prawns are cooked. Throw away heads and keep the tails. You might like to keep the prawns whole for aesthetic value. Reserve the prawn stock.

## Preparing the squid

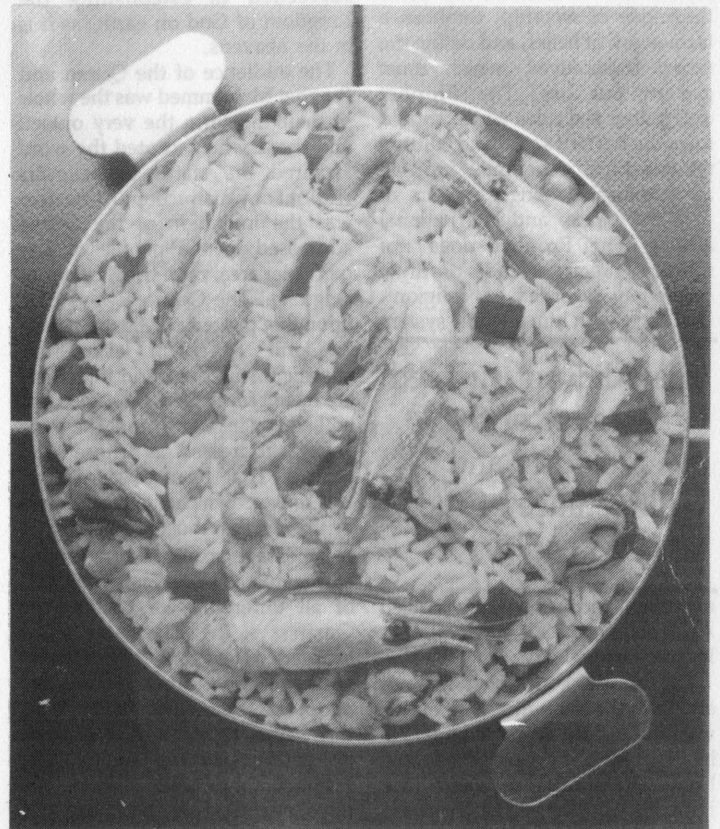
Remove the backbone and the

tomatoes and continue frying for a few minutes. Add the squid and continue frying. Add the parsley and rice. Keep things stirred so they do not stick.

Whilst all the frying is going on add a little bit of the chicken, prawn, mussle and clam stock and heat until boiling.

After the rice has been fried for a few minutes add two cups of boiling stock. At this point the rice should no longer be stirred as this loosens the starch and the rice becomes sticky. Do not cover the pan. Cook on low heat for 25 mins.

Five minutes before the rice is cooked, arrange the cooked mussels, clams, prawns and chicken on the surface of the rice.



stomach sac. Cut the squid stomach into rings and the tentacles into 2-3 pieces. Bring a pan with a little water to the boil and simmer for 15 minutes. It does not matter if the squid is not tender because it will be fried and cooked with the rice.

## The rest...

After much arduous preparation, the final act can begin. A good paella requires a large flat frying surface so that the layer of ingredients never becomes too thick. Do whatever you can—improvise by using two frying pans if necessary.

Add enough olive oil to cover the frying surface. Heat the oil. Add the chopped onion, garlic and green pepper. Fry until the onions begin to brown. Add the chopped

After the rice has been cooked cover it with a lid and let it sit for five minutes.

Uncle Ben rice is recommended because it can take substantial abuse without getting sticky although in Spain the chefs would not dream of using it.

As if the paella was not enough, it was followed by a triple-battered dessert.

A chocolate mousse, a Tiramisu (meaning cheer me up) and a trifle made this culinary adventure worth writing home about.

If you are cooking anything outrageous why not invite FELIX to capture the event for you. I would like to thank Maria Luisa for letting FELIX intrude into the privacy of her kitchen.



# Islam

## An opinion article by Islamic Society.

### Part II

The Prophet has to prescribe a moral code, enunciate the principles of culture and civilisation, lay down the mode of worship, establish a framework of belief, and define the moral imperatives, which must govern our life. The Prophet determines the rules which should form the basis of social and cultural relationships, economic, judicial, and political dealings, matters of war and peace, and international affairs. The Prophet does not transmit merely a code of ritual commonly regarded as 'religion'. He brings with him a whole system

**They did not succeed because of the prejudice and intolerance of the people**

of thought and action which is called Al-Deen (a complete way of life) in Islamic terminology.

The mission of a Prophet does not end with the announcement of this way of life to the world at large. He has to guide the people who follow him, explaining to them the implications of the Islamic creed, the moral code, the divine injunctions and commandments, and the form of worship that sustains the whole system. He has to demonstrate, by practice, the faith he preaches, and his life should be a model which people may be able to follow to organise their own lives. He must give training to the individuals and the muslim society as a whole to prepare them for practical participation in the evolution of Islamic culture and civilisation. The believers must grow under his guidance into an organised community engaged in establishing the Islamic system of life so that God's word should prevail upon all other words.

Not all the Prophets completely succeeded in this mission. There were many who failed not because of any personal fault or inadequacy.

They did not succeed because of the prejudice and intolerance of the people or because the circumstances were not favourable. But every Prophet had the same mission, and it is a fact of history that Mohammed succeeded in establishing the Kingdom of God on earth, as it is in the heavens.

The audience of the Quran and Prophet Mohammed was the whole of mankind from the very outset, and those who accepted the word acquired the status of believers without any distinction. At no time was the invitation of the Quran addressed to the people of any particular area, race, tribe, colour or language. The Quran always calls upon the 'progeny of Adam' or 'the mankind' to accept Islam. The specific instructions and injunctions are meant for those who have come to believe in Islam and they are always addressed as 'those who believe'. That the message of Islam was universal in character is proved by the fact that those who accepted the message acquired equal rights and status as believers, regardless of all differences of origin. The Quran says, 'the believers are all like brothers'. The Prophet said: 'those who subscribe to our beliefs, and adopt the Islamic way of life, have the same rights and the same obligations as we have.' The Prophet announced, 'Listen! you have one God as you have one father (Adam). There is no distinction between an Arab and a non-Arab. There is no preference for

**No one can claim to be a law giver on God's Earth**

the black over the fair, or the fair over the black. There is distinction only in submission to God. The most virtuous among you is the most honourable in the eyes of God'.

Among the fundamental of Islam the most important is belief in one God not just the conviction that He exists or that He is one—but that He alone is the creator, Master, Ruler, and Administrator of all that exists. The universe exists because God

wills it to exist, it functions because God wills it to function, and God provides the sustenance and the energy which everything of the universe requires for its existence and growth. All the attributes of Sovereignty reside in God alone, and no one else has a share in them in the slightest degree. He alone possesses any of those attributes. He views the whole universe, and all it contains, in a single instantaneous glance. He has direct knowledge of the universe and all that is there in the universe. He knows not only its present but its future, as well. This omnipresence and omniscience is an attribute of

**He has direct knowledge of the universe and all that there is in the universe**

God alone and no other. There was no 'before' Him and no 'after' Him. He has been there always and will be there always-eternal and abiding. All else is transient. He alone is eternally living and present. He is no one's progeny and He has no progeny. Whatever exists, beside His self, is His own creation, and no other can identify himself in any manner with the Lord of the Universe, or claim to be his son or daughter. He is man's single Deity. To associate anyone in His worship is a great sin as it is an act of infidelity. He responds to man's prayers and He alone has the power to accept or reject them. Not to ask of Him is senseless arrogance, and to turn to others is sheer ignorance. To seek of Him, and also of others, is to associate equals with Him.

The sovereignty of God in Islam is not just a supernatural phenomenon. It covers all aspects of political and legal sovereignty also and in these too no one other than God has any share. In God alone rests the rightful authority to exercise power on this earth, and over those whom God has created in it. No monarch, no elite class, no leader of any religious group, no democracy established on the basis of the sovereignty of the people, can participate in God's sovereignty. Whoever claims such a position is a rebel, as are those who leave God and turn to other people in obedience. Similarly, any institution or individual attempting to assume political and legal sovereignty and restrict the jurisdiction of God to spheres of personal law or ritual duties, is really a usurper and a rebel. The truth is that no one can claim to be a law-giver on God's

earth, and no one can challenge the supreme authority of God Almighty in any sphere. Another fundamental creed of Islam—complete submission to God—is belief in the hereafter (Akhirah). Denial of the hereafter is the denial of Islam even though one may have belief in God, in the Prophets (peace be upon them), and the Quran. Man has not been unleashed on the earth an irresponsible savage. He is accountable to God for his actions. The judgement will rest on one question: Did man conduct himself, in submission to God, in strict conformity with the truth revealed to the Prophets, and with the conviction that he will be held responsible for his conduct in life on the Day of Judgement? If the answer is in the affirmative, the reward will be Paradise, and if in the negative, Hell will be the punishment. Those who believe in the hereafter in the form which Islam represents it, do not delude themselves that they have any special relationship with God, or that anyone can intercede on their behalf. They know that they alone are responsible for their actions. For them the belief in the hereafter becomes a great moral force. A person who has the conviction that he is fully accountable for all his actions finds a permanent guard, stationed within himself, who cautions him and admonishes him whenever he deviates from the right path. There may be no court to summon him, no policeman to apprehend him, no witness to accuse him, and no public opinion to press him, but the guard within him is ever on the alert, ready to seize him whenever he transgresses. There can be no greater instrument of moral reformation nor any better method to help man to develop a sound and stable character. It is the

**The same moral code which one observes at home applies to one's conduct in public**

hereafter which helps man, under all circumstances, to conform to God's scheme of permanent values.

A little earlier, I mentioned that Islam represents a whole civilisation, a complete culture, and a comprehensive order. It provides moral guidance in all walks of life. That is why Islamic values are not for the ascetic who renounces the world, but for him who actively participates in different spheres of life, and works within them. The moral values for which people look in secluded worship places, are



# The Answer

A universal problem solving technique that could provide the key for time travel and universe creation—it all sounds just a little incredible. Yet Harry Fairbrother has that unnerving air that suggests he might just know something that you don't. Decanting some strawberry milkshake into a QT polystyrene cup, he starts to explain the intricacies of his theory.

'What I'm trying to do is give the way of solving a problem a structure, so that you eliminate trial and error.'

The technique itself came from looking at the 'totality of everything', in particular knowledge, which Harry considers to have accumulated from solving problems. This led him into studying the structure of problem solution, looking for a consistent pattern, and from this he was able to develop his theory.

The first step is that all problems in nature can be expressed as:

$$P(Y) = G$$

where:

P is the problem

Y a set of things looking for activities

G is the goal.

Once the problem has been formulated in this way it is then transformed and a decision made, which gives the solution. And therein lies the problem within problems: transformations can be difficult to find and, of course, decisions can be wrong! Confused? Then maybe the Pythagoras' Theorem Proof (see inset) will help: it contains nothing new, though conveniently illustrates the structure of problem solutions. In essence the form is:

$$\begin{aligned} \text{IF } A &= B \\ \text{AND } B &= C \\ \text{THEN } A &= C \end{aligned}$$

Harry considers that 'every solution problem can be symbolised in an algebraic form. In terms of matrices a canonical form is obtained:

$$P = T^{-1}DT^*$$

where

T transformation to use

$T^*$  transformation to change Y  
D decision to use

Interestingly, just like exam questions, T contains within itself a method of solution.

So, if we want a machine to solve problems it must be able to do algebra, which is the definition of a computer. Unfortunately most computers use numerical methods of solution, and as Harry points out 'L can always arrange that the answer you get from a computer is wrong.' It's rather like *Hitch Hikers Guide to the Galaxy*; the computer will provide a numerical answer, but there is no guarantee that it is the correct one for the problem. For example:

$$\text{If } x = 1/P \text{ for } i = 1, 2 \dots P$$

$$\text{then the sum } \sum_{i=1}^P x_i = 1 \text{ is fairly}$$

obvious, but because of random rounding off errors a computer will not give this answer. As a result new developments in computing, such as PROLOG and artificial intelligence, are using symbolic solution.

Harry spent six months looking through all the mathematics journals in the library for a counter-example destroying this structure, but found none. Similarly a postgraduate student looked at industrial, human and political problems to no avail. Harry is sure that the mathematics are sound but the physical phenomenon he needs does not exist in nature. This phenomenon is arranging that the physical constants of a system vary with the answer being sought, eg the inductance of a coil varying with the current it carries.

'The first phenomenon would provide us with time travel and universe formation.'

And what of the answer to life, the universe and everything?

'It appears to lead to the most reasonable hypothesis that there exists a finite amount of mathematics in the universe with the goal to get out of the universe and meet the creators.'

An answer that would, no doubt, please Douglas Adams!

Mad? Perhaps.

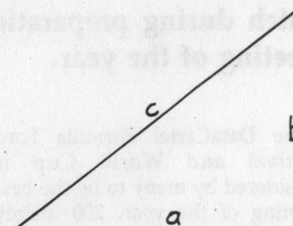
Misunderstood? More than likely.

## Harry Fairbrother

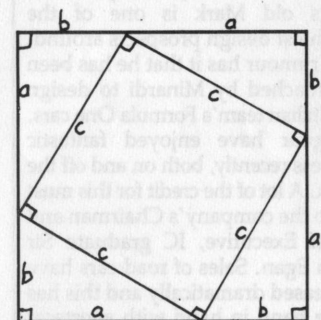
Harry came to IC in 1949 as a lecturer in mathematics for engineers. During the war he had been involved in the Tube Alloys project—part of the atomic bomb programme, receiving an MSc for his work on the critical size of a sphenoid. Since his part-time contract with College expired in 1987, he has stayed on as President of the ASTMS, IC Branch, while also advising on maths and computer research projects.

By Martin Cole

## Pythagoras' Theorem Proof



$$a^2 + b^2 = c^2$$



$$\begin{aligned} \text{Total Area} &= (a+b)^2 \\ &= \text{Inner square} + 4 \text{ triangles} \\ &= c^2 + 4 \times \frac{1}{2}ab \\ &= c^2 + 2ab \end{aligned}$$

$$\begin{aligned} \text{The decision is then to set;} \\ (a+b)^2 &= c^2 + 2ab \\ a^2 + b^2 + 2ab &= c^2 + 2ab \end{aligned}$$

$$\begin{aligned} \text{Hence solution;} \\ a^2 + b^2 &= c^2 \end{aligned}$$

Problem has goal of proving that the hypotenuse squared is equal to the squares of the other two sides.

The problem is then transformed thus:



# Old Boy Racers

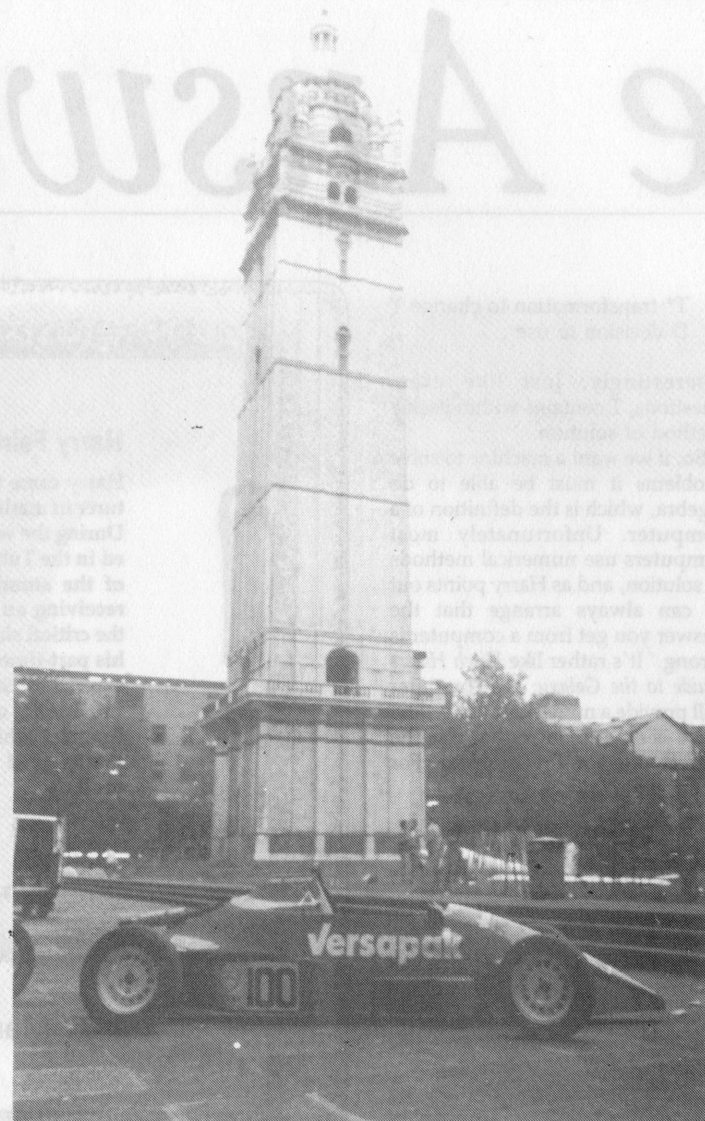
Imperial College has produced many outstanding engineers, scientists and industrialists, but three in particular stand out in the field of modern motor racing. Their contributions are in the three basic areas of the sport: engines, chassis and leadership.

The most successful Formula One engine ever is the Ford Cosworth DFV. Designed and produced in Northampton, it has powered 155 cars to Grand Prix victories and spawned winning variants for Indianapolis and Sportscar racing. Cosworth Engineering was set up as a joint venture between Mike Costin and Keith Duckworth, the latter a graduate of Mechanical Engineering at IC. First built in 1967, the 3 litre engine won its very first race at Zandvoort, Holland, in the back of Jim Clark's Lotus 25. Between then and the takeover of the more powerful turbo-charged motors it provided the power for 11 World Champion drivers. The 3.5 litre DFV version is currently being used by several Grand Prix teams and will be used by even more next year when the turbos are banned. In America, the 2.65 litre turbocharged DFX version has won over 100 Indycar races, including many Indianapolis 500s. During his time at College Keith was Guild's Motor Club captain and also 'Bo' driver.

A lot of old Formula One DFVs have found a good home in Formula 3000, which is the category a step down from F1. One of the most successful manufacturers of these cars is Lola, where IC Mech Eng graduate Mark Williams is designer. His cars have won races in each of the last three years but have been denied the championship. At 29 years old Mark is one of the brightest design prospects around, and rumour has it that he has been approached by Minardi to design the Italian team's Formula One cars.

Jaguar have enjoyed fantastic success recently, both on and off the track. A lot of the credit for this must go to the company's Chairman and Chief Executive, IC graduate Sir John Egan. Sales of road cars have increased dramatically and this has gone hand in hand with sportscar racing success. Sir John has actively supported the racing programme, which culminated this year with the 'Grand Slam' of World Sportscar Champion Driver, Champion Team and victory in the Le Mans 24-hour race.

There are many graduates who have competed in motor sport. I have got to find one who was really famous, although current Guilds HST-Paul Ewing has competed on the RAC Rally in the past.



# Festival Fresher

**Chris Goodwin left Imperial College in the summer to embark on a career as a professional racing driver. Adrian Bourne went down to meet him at Brands Hatch during preparations for the most important meeting of the year.**

The DataCartel Formula Ford Festival and World Cup is considered by many to be the best meeting of the year. 200 mainly young drivers fight it through qualifying, heats, quarters, semis and a Final. The action is invariably frenetic, and there are incidents aplenty. The prestige of winning is considerable, and is often the start of a rapid rise through formula three into formula one.

Former IC student Chris Goodwin will be competing for the first time and although an outright win is an unrealistic hope, a good

performance will make the prospects for next year brighter. Chris is one of the many drivers to have started their racing careers in Formula First, contesting last year's inaugural championship. Some of you may remember seeing Chris on television last year when he was the subject of a Top Gear documentary which followed the ups and downs of the season, including some fairly spectacular in-car footage on the way to winning the last race of the year.

That victory at Brands Hatch was followed by a six month break during which Chris concentrated on

studying(!) and finding sponsors. With the support of local office supplier Versapak International, Chris was able to start the 1988 season in July, by which time most of the leading drivers had competed in a dozen races already. The car he will be driving is a Van Diemen RF88, as raced by most of the leading runners. Chris does his own preparation and is helped at races by his father and a few friends. At the recent Cellnet Formula Three Superprix support race Chris qualified sixth, breaking the 49 second barrier for the first time before going on to finish fourth in his heat.

The quality of television coverage of motor racing has been much improved this year, mainly due to the increased use of the on-board camera and at the Festival the Grandstand camera will be attached to the roll bar of Chris's car, giving several million viewers the chance to travel around Brands Hatch on



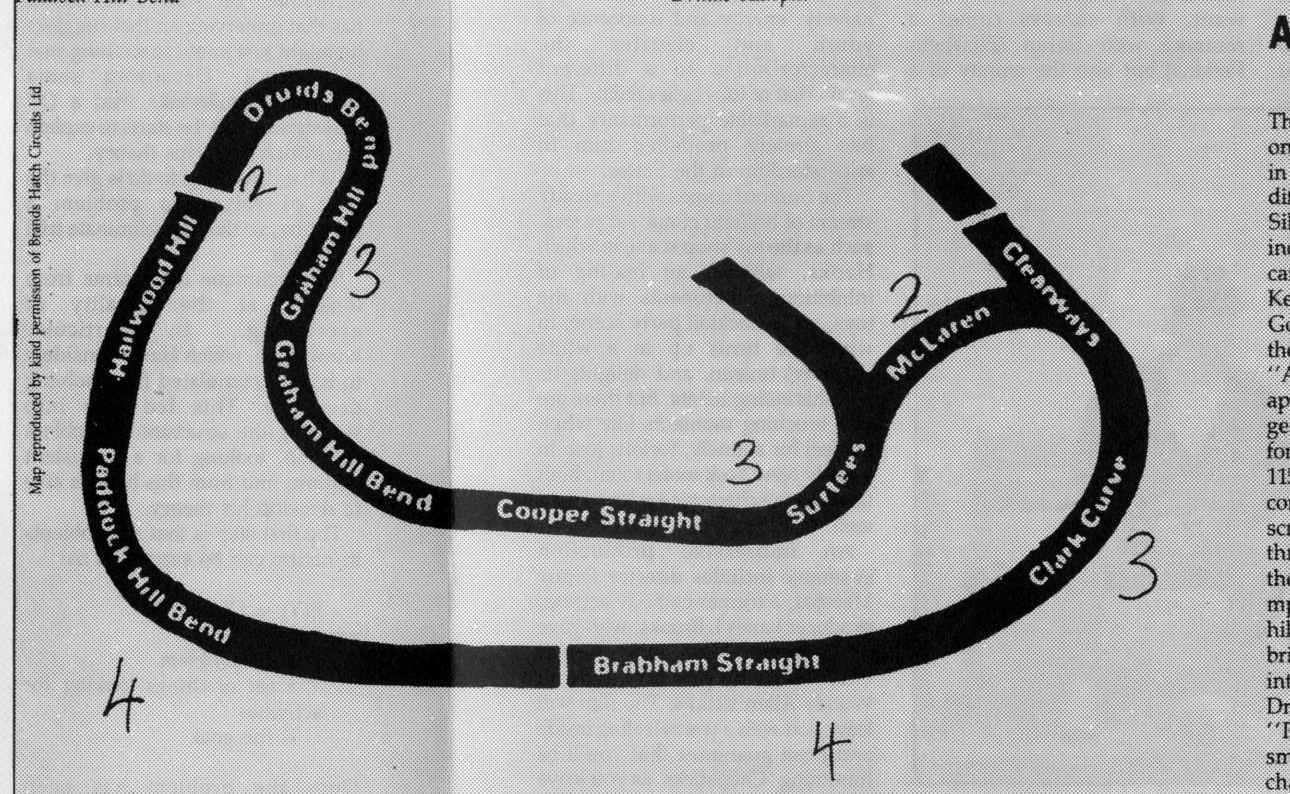
Paddock Hill Bend



Druids Hairpin



Clearways



# A lap of Brands

The Brands Hatch 'Indy' circuit is one of the most challenging courses in the country. What makes it different from airfield tracks like Silverstone or Thruxton is the incredible change in gradient and camber that the natural bowl in the Kent countryside provides. Chris Goodwin describes how he drives the 1.2 miles in just over 48 seconds. "Across the start/finish line you approach Paddock Hill Bend in 4th gear pulling about 6,800 rpm (7,000 for a really good lap), which is about 115 mph. Stay in fourth through the corner after touching the brakes and scrubbing off a little speed by throwing the car into the bend. Exit the corner with about 5,800 rpm (90 mph). Stay in fourth gear up the hill, braking hard just before the bridge and changing straight down into second for the hairpin at Druids.

"Powering out of Druids as smoothly and early as possible, change up to third at the bottom of

the hill just before Graham Hill Bend. This corner is taken without lifting off the accelerator, but only if on the right line. Stay in third all along Cooper Straight approaching Surtees with 7000 rpm on the clock. Surtees is one of the most challenging bends and is taken with the slightest of lifts of the throttle. Straighten this section as much as possible by using the kerbs on the left and right of the track, being careful not to lose control as the car is thrown slightly sideways one way and then the other.

"Brake hard for Clearways and change down to second. This corner is crucial for a fast lap and exit speed is all important. Accelerate, changing up to third gear whilst negotiating the last part of the corner with one hand. Fourth gear is taken about one third of the way along the straight, sticking to the right hand side next to the pit wall. This way you follow a slight dip in the road and also prevent the car behind edging down the inside into Paddock (the favourite overtaking spot at Brands) at the start of lap two."



Photo: Ben Daniels

his shoulder. Next Saturday, 5th November will be when the Festival is broadcast, so you can all see how Chris got on, but for anyone interested in seeing it live then why not go along. Brands Hatch is on the A20, about 20 miles south-east of London. Nearest BR station is Swanley (half hourly from Victoria) although the bus service to the track is very infrequent on Saturdays and non-existent on Sundays. Taxis are cheap and readily available and it is normally easy to find someone to share with. Practice and heats are on Saturday, with the quarters, semis and final on Sunday. Admission prices are available from Brands Hatch on 0474 872331.

So, if Chris isn't going to win then who is? Formula Ford is an incredibly close category and there are at least 20 or so drivers capable of winning. The favourites are the seven drivers who have won rounds of the RAC and Esso senior championships this season.

Champion in both series is Derek Higgins, driving the works Duckhams Van Diemen. Other winners include Brazilians Jose Cordova and Niko Palhares, Portugal's Pedro Chaves and Pedro Leita de Faria, Italy's Vincenzo Sospiri and Britain's Richard Dean in his Swift. Picking a winner out of that lot, not to mention the hordes of talented junior and overseas runners is virtually impossible but I'll stick with the prediction I made in Motor Circuit News and go for the diminutive Pedro Chaves.

As well as the Festival, there are support races, including a Sports 2000 race in which Chris also hopes to be driving and a round of the Minister Pre '85 FF1600 Championship in which there is also an IC interest. Former Guilds motor club Captain, Steve Nixon, drives a Lola T640E which he prepares himself and has rebuilt extensively following an accident at Brands last year.



## FILM

### Hanna's War

(Cert 15)

*Hanna's War* is the story of the wartime sufferings of a heroic young Jewish girl. It is a true story—so impassioned that it will surely put the name of Hanna Senesh on the lips of the world, as Anne Frank's is.

Hanna has grown up in a cultured and privileged Hungarian environment. In the late 1930's, with the advent of Hitler, the rise of anti-Semitism and Hanna's emerging recognition of herself as a Jew, she foregoes a career in writing to study at an agricultural college in Palestine. She is eventually asked to join a team of volunteers, all from various German-occupied European countries, to be trained by the British as a commando and spy. Thinking she has found a way back to Budapest to help the 800,000 Jews in refuge there, and also to see her mother, she signs on. The team of six are drilled by Squadron Leader McCormack (Anthony Andrews)—an arrogant Scotsman with an anti-female bias.

When Hanna and a companion attempt to cross into Hungary they find themselves surrounded by German soldiers with no escape. Her partner commits suicide and Hanna is arrested. The subsequent physical and psychological torture which she undergoes at the hands of the Hungarian state eventually makes Hanna crack. She is remarkable in her refusal to give up the resistance 'code'—but reveals her true name.

With super-human courage Hanna survives her sadistic treatment, and when she eventually has to stand trial as a traitor she delivers a passionate speech that stirs the conscience of the judges. When the time comes for her sentencing, the judges decide to flee rather than seal her fate, but to no avail. Her Hungarian torturer, out of his own perverse sense of justice institutes his own punishment—death by firing squad. Hanna, not yet twenty-four, is executed.

On the surface of it, Hanna is a woman who set out to do something and, quite frankly, failed—clearly not obvious film material. But this film reveals a new insight into the Second World War—the unwavering determination and steel-strong spirit a naive individual is capable of displaying. It is a declaration of freedom for Jews, a total non-acceptance of the sting of anti-Semitism. You cannot watch this film and be unmoved.

### Big

Cert PG.

We have been blessed with the release of a spate of extremely well made and very entertaining comedies in the last couple of weeks—*Midnight Run*, *A Fish Called Wanda*, and now *Big*.

*Big* stars Tom Hanks (*Splash*, *Dragnet*) as Josh Baskin, a twelve year-old boy who has been transformed into a 35 year-old man by a carnival wishing machine. He wishes to be 'big' in order to woo class beauty Cynthia Benson, but

when the wish is mysteriously granted he finds himself suddenly thrust into an adult world, for which he is utterly unprepared. His mother thinks the big Josh has kidnapped the small Josh, and his best friend Billy is the only one who can help him out.

Together they go off to New York to find the wishing machine, and in the meantime Josh gets a job with a toy company. He quickly moves up to vice president, when the boss (Robert Loggia) realises how good Josh is at tuning in to what kids want. With success comes a romance with Susan (Elizabeth Perkins) but also the enmity of a

bitter, upwardly-mobile executive (John Heard).

Buffeted by new found responsibilities and a much more complex emotional life than he ever imagined, Josh begins to change. But before long Josh finds the machine and has to decide whether to stay as the successful 35-year-old businessman, or return to his lost youth and family.

Tom Hanks has always had a childish exuberance about him, and so is perfect as Josh Baskin. His performance accurately captures the naivety, energy and innocence of youth and elevates the characterisation to a different level—that of total believability. This is a remarkable performance that has already propelled him to superstardom in the States.

The humour comes with a steady stream of brilliant comic set pieces, such as the toy shop scene in which Hanks, without an inkling of inhibition, experiments with the toys; and a cocktail party scene, in which he turns up in a white sequined tuxedo, and delights us with his eating habits. But there are also touching moments like when we feel for a lonely, forlorn Josh in a seedy New York motel room. Both facets to the character are developed well.

An impressive production ensemble includes director Penny Marshall, a former comedy actress, producer James L Brooks, who gave us *Broadcast News*, and Robert Greenhut, who produced most of Woody Allen's films. The film will leave you with a warm feeling inside and I can guarantee that you'll be humming 'Chopsticks' as you leave the theatre.

Sumit Guha.



Tom Hanks makes it Big

## THEATRE

### Dead Dad Dog

Royal Court, Sloane Square

A two-man show about an 'unemployed yuppie'...whose father, twelve years in the grave, pops down from heaven for a day, linked to his son by an invisible umbilical cord which promotes acute appendicitis if the two stray too far apart. Which means that the not over-welcome father has to follow his son around to job interviews, and to a first date with a girl he's been pursuing for months.

What can I expect?

Well *Dead Dad Dog*, despite its rather cumbersome title, portrays all these improbable events, and many

more, with astonishing panache, the like of which this little reviewer has rarely seen. This play sparkles with wit, gusto and style. I went in grouchy, thinking about a problem sheet, and came out grinning from ear to ear.

*Dead Dad Dog* follows Eck and his dad around Edinburgh, watching them bicker and squabble and reminisce, and throw out observations, almost unnoticed, on the change of the fabric of life in this country over the last decade.

It is extremely difficult to write about the North/South divide without becoming either bitter or blasé; to consider the change in attitudes and expectations of successive generations without nostalgia or clichéd satire. To mix

in humour is hard to even contemplate. *Dead Dad Dog* not only manages all this, it triumphs in it, dancing over the tightrope of difficult issues with pure sparkling joy.

The play is well written, beautifully acted, by a duo with a rare feel for split second comic timing, and originally translated to the stage. Never clichéd, never dull; contemporary to its gritted teeth, but timeless also in humour and touchingly detailed observation.

*Dead Dad Dog* neither drags its feet, nor tries to fly way over its (delighted) audience's head, but runs joyfully along. Go and see it...I may well see you there.

Susan Appleby, Maths 2.



## THEATRE

**The Tempest**

(The Old Vic)

The *Tempest* is not one of Shakespeare's more exciting plays. It is often bogged down with long, uninspiring conversations, and is confined to just one set. But, the fascination many have towards it comes from the correlation the play has with colonialism, and its strange magical aura.

Jonathan Miller's new production at the Old Vic tackles the colonialism theme head on, and possesses that certain aura. But, on the whole it is so complacent that it fails to impress.

For those unfamiliar with the story, it goes as follows:

Prospero is the usurped Duke of Milan, who has been overthrown by his brother Antonio and the King of Naples, Alonso. Prospero and his daughter, Miranda are marooned on a tropical island, the only other inhabitants of which are the savage Caliban and a spirit, Ariel whom Prospero enslaves with a powerful spell.

A violent storm bring Prospero's enemies to his island, and so, using his magic he prepares to exact his revenge upon them.

What follows is a study in such traits as love and loyalty, as Miranda falls in love with Ferdinand, the son of Alonso; of repression and tyranny, with Caliban and Ariel yearning for freedom from Prospero; and of submission and ambivalence, when Prospero decides he cannot carry out his intentions, but has to make his peace with Alonso, for the sake of Miranda.

There is also a sprinkling of humour, in the form of other shipwrecked characters.

The star cast includes Max Von Sydow as Prospero, the cornerstone of the play, and Alexei Sayle in the comic role of Trincula.

Although an impressive and powerful presence, Von Sydow seems somewhat uneasy with the text. He seems to worry so much about the words that he fails to project the character. On a number of occasions he seemed to stop the performance with an arresting jolt, rather than keep it moving smoothly.

Alexei Sayle is a lot more successful as a loud-mouthed thug—a part tailor-made for him. He is there to provide some badly needed levity to the play, and achieves it in his typical over-the-top way.

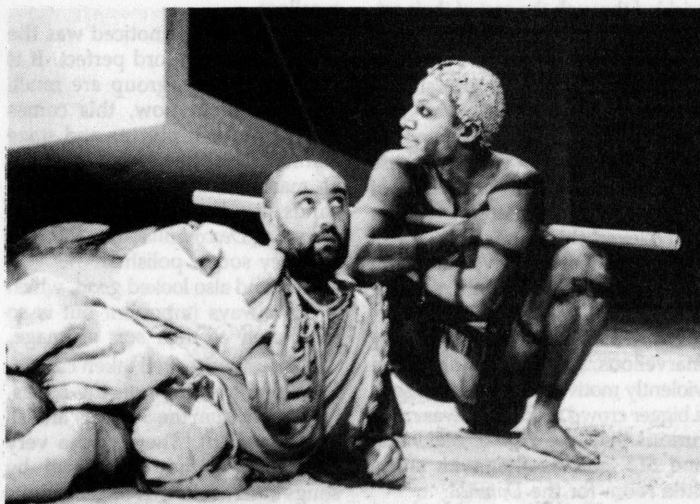
The acting on the whole, is of a very high quality. Especially good is newcomer Rudi Davies as the naive and warf-like Miranda.

However, one comes away from a play like this feeling unsatisfied. The play lacks any suspense or tension, but whether this is due to the text or the production, I'm not sure. Still, the director could have made his point with a lot more conviction. It was as if we were supposed to think, there is a star cast, a famous director, a renowned theatre, so it's bound to be good. But it stops there, and the production doesn't prove how good it is. Indeed, the set, which can be described as 'Channel Four-esque' detracts much of the attention. It consists of two rather odd, large slanting cubes, in the midst of a barren desert scenery.

*The Tempest* may hold some intellectual interest, but as a drama it is rather insipid.

Student standbys are available at £6.

Sumit Guha.



Alexei, Ariel and a cube

## FILM

**Distant Voices, Still Lives**

It is rare that a film, which follows no tangible plot, and which is occupied by everyday, normal people, doing everyday normal things, can be described as totally engrossing, but Terrence Davies' *Distant Voices, Still Lives* is just that.

This detailed essay on life in the North during the forties and fifties is divided succinctly into two halves (called *Distant Voices* and *Still Lives* respectively). But it is there that the natural order of the plot ends, as the film consists of a series of recollected scenes from the various characters' lives, as if the cast's collective conscious was reminiscing about their lives. (The random sequence of the scenes intensifies the feeling of recollection—who reminisces chronologically?)

The first half opens with the funeral of a man (Peter Postlethwaite), and continues with his family's various collections of their relationship with him. The memories are a mixture of some idyllic childhood scenes, which are dominated more by scenes of the father's severity and harshness, which has been cultivated by a Catholic upbringing and extreme poverty. Glimpses of his tenderness are revealed, but his rigidity and inability to live is matched only by his wife's immense capacity for forgiveness and love.

These scenes, along with the scenes the children's inevitable rebellion against their father's regime, are intercut with weddings, funerals and outings to the pub, (again reinforcing the theme of reminiscence).

The second half continues the lives of the family and their friends, and turns its attentions to the suffering women under men's ignorance and insensitivity, which is instilled through their advantageous position in society. It concentrates on the three children; Eileen, Tony and Maisie, who are very close (the deeper the cut, the closer the binds?).

Basically, Davies' film is about how people survive the drudgery of their own lives. Through the excellent script (which is also Davies') which is devoid of pretentiousness and carrion dialogue, and the superb ensemble playing of the cast, the film breathes life into time-worn themes, such as human dignity surfacing in the harshest of circumstances, and how we deal with our problems by avoiding them, rather than confronting them. It's illustrated how mass media pills, such as songs, radio and cinema merely gloss over everyday pains, rather than curing them.

The background details, such as the dirty brown colours which pervade every scene, the songs which are intrinsically interwoven with the general flow rather than standing out like obvious set pieces, and even the weather conditions all serve to compliment the feeling of the film, which, although it deals mainly with pain and the mundane, is an uplifting experience.

The stillness and slow sweeps of the camera let's the eye observe in great detail and it is a film which demands to be observed. It is Coronation Street with class and clarity. It is a rare film.

Noel Curry.

## BOOK

**A Land in Flames**

David Marcus, Corgi, £3.99

Take a widow (ahh), her two frisky daughters (ooh-er), an evil estate manager (boo-hiss) and an embittered peasantry (hurrah). Set them in Ireland in the early 1920s and light the blue touch paper.

The story, written one suspects with half an eye on a television mini-series, is the familiar plot of the thousand British B movies. The once great Odroon estate is in decline and the ambitious estate manager wants to own it all (don't they always in these books?), with enough love interest thrown in to keep the boredom levels down.

The novelty I suppose is the Irish setting, however, the characters are unsympathetically drawn and only Halloran, the Sinn Fein leader, speaks passionately for Ireland. The other characters are walking Clichés, the kind hearted Dixon type Policeman, the studious socialist and the quiet, ineffectual shitor. All good stuff, but essentially vacuous.

The writing is literate but verbose. For example growing a few flowers translates to 'coaxing a meagre quorum of lupins'.

The ending is remarkably predictable, and tidy, with enough room for a sequel. If a long train journey beckons I suppose you could do worse, but not much.

Oh, one last thing, the wild gypsy is on page 208.

Mike Bell.



## ALBUM

### Short, Sharp, Shocked

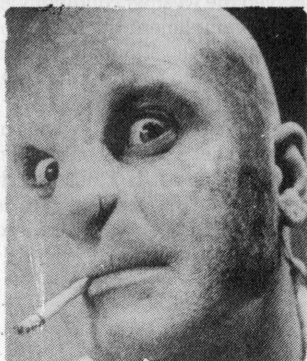
Michelle Shocked

Recently there seems to have been a spate of talented, female singer-songwriters (Suzanne Vega, Tracy Chapman and Michelle Shocked, being three). Michelle's first album, *Texas—Camp Fire Tapes* was released early last year and was a live, solo album recorded with a Walkman at a Texas folk and country festival. (Honest, you can hear the crickets chirping in the background.) Despite the rough production, the songs shine through with energy, wit and feeling. Ms Shocked is clearly a talented songwriter.

*Short, Sharp, Shocked* is a departure from the first album in two areas. One, it is produced to a very high standard and two, Michelle plays with a backing band (ranging from electric guitars to harmonica). What hasn't changed is the excellence of the songs. Quite a few of the songs seem to be written from personal experience as a youngster in East Texas. *Making the Run to Gladewater* tells the story of a trip out of a 'dry' county to buy alcohol; *V.F.D.* tells the story of an accidental fire set off by a dangerous prank ('The fields were black, the sky was grey... 'n' you know them barns they used to store hay in?'). Many of the songs have a very bluesy beat to them; *If Love was a Train* and *When I Grow Up* are pure blues. *The L&N Don't Stop Here No More* is a ballad commenting on the decline of the mining industry whilst *Graffiti Limbo* is a protest song over the miscarriage of justice.

If you like to hear talented musicians, down to earth lyrics and songs which take you places, then I would buy this album. *Short, Sharp, Shocked*; *Texas Campfire Tapes* and *Disoriented* (a 12" single) can be found on the Cooking Vinyl record label. A single called *Anchorage* has been released and is taken from the *Short, Sharp, Shocked* album.

Andy Mellor, Mech Eng 3.



# MUSIC IN THE RAW

## LIVE

### The Wedding Present

Town & Country Club

I arrived at the Town and Country shortly before the second support group came on, at least that's who I think they were.

It was odd, everyone was chatting quietly amongst themselves, then suddenly, unannounced, there were some people on stage. They didn't introduce themselves, they just started playing some wishy-washy songs which sounded like *Everything but the Girl* with something missing (the girl presumably). The crowd started bullying them but the band-with-no-name put on a brave face and trickled through the rest of their set. I felt sorry for them when the crowd cheered them off, but sympathy isn't something a group should arouse in you. Who was that masked man?

Sometimes, when you write these reviews, you can get tired of thinking of appropriate metaphors and 'clever' things to say. You run out of clichéd adjectives and you just want to tell it straight, so here it is.

*The Wedding Present* are bloody marvellous, a 'bit cuddly' and violently motivating. I have not seen a bigger crowd reaction, it was more furious than the *Pogues*, *Motorhead* and *SLF* put together with still a little room for the *Damned*.

It must be Dave Geddes' 'cute' smile and full Yorkshire accent that incites the audience and fills you with adrenalin. The songs thrash out one after another, thoughtful lyrics agitating the crowd into a frenzy.

Good music, good songs, good atmosphere, good guys. Shit hot—go and see them.

### The Stars of Heaven The Big Dish

ULU

'...here on the John Peel wing-ding we throw our hats in the air to the *Stars of Heaven*'. So said He when his band did a session for the Peel show. My feeling is that it must have been a slightly different *Stars of Heaven* that night. The sound was just not quite right somehow, they sounded scratchy and unrehearsed. Only songs like *Widows Walk* could rise above this to give us a glimpse of the true sparkle of the stars.

*The Big Dish* know exactly what's going on, they now have 20-20 vision. I say 'now' because when I saw them play in Glasgow two years ago they were jumpy and amateur and seemed destined for 'also-ran' dom. Tonight they were excellent.

The first thing I noticed was the sound quality; record perfect. It is obvious that the group are much more confident now, this comes through in their playing and stage manner. This 'fine sound' is a trait of many of the newer Glasgow bands like *Hue and Cry*, *Love and Money* or *Deacon Blue*, like them or not they sound polished.

The band also looked good, which is not always important but is so completely to their sort of image.

The aesthetics well taken care of, I could concentrate on the songs. Most were from the *Swimmer* and all were excellent. They have a very distinctive sound epitomised by songs such as *Prospect Street* with its clear melody and sharp notes, nothing smudged.

The lead guitarist (who looks like Michael Elphic—Boon) has a disturbing rock n roll habit of raising his left knee and straining his face whenever he plays a power chord. This looks out of place next to the subdued, modest bassist and the confident, understated James Leslie.

They can't miss.

It is rare for a support band to merit anything more than a passing mention but so entertaining were *Brendan Croker* and his merry cohorts that they deserve a full review. *Croker*, judging by his accent is from somewhere up North but when he sings he sounds reminiscent of *Bob Marley* which is ideal for the light reggae influenced music they play. It is not pop, and I fear they will never attain the dizzy heights or superstardom because of this but the reworked covers of songs going back to the twenties were delightful and had the attention of the audience throughout; unusual for a supporting act.

The voice was less effective on some of the boogie numbers but the *5 O'Clock Shadows* more than made up for it with their skillful playing, showcasing their talents without showing off. If you ever fancy a good night out this group are warmly recommended should they be playing at a pub venue near you.

C.D.L.

### Flesh 4 Lulu

Marquee

It's been a long time since *Flesh* have toured. Whether this is good or not is debatable. I think they have finally shrugged off their goth image and following for a much more mundane audience. Gone are the flowing black capes and white faces smothered in eye liner and replacing them—short hair and 501s.

*Flesh* only did a few old songs, but as they haven't played for a year it's not surprising. The 'oldies' they did were all of the fast and furious type from the three LPs, probably to keep the devoted happy. All the new songs were slower and involved jangly or acoustic guitars from Rocco sporting a cleaner hair style.

Even though the *Flesh* boys have been together for five years now they still haven't achieved the notoriety achieved by some other indi-bands, for example *The Cult*. Even their so called break of doing the title track to *Some Kind of Wonderful* (called *I Go Crazy*) has not catapulted them to stardom, yet. Maybe the change in style will. Check out the single *I Go Crazy* or see them live on October 28 at the Savoy (Tuffnel Park) and decide if you agree with the title of the LP. Long live the new *Flesh*.

B.J.



HEY  
get some  
Ent Music  
Hit the  
Wednesday  
night discos  
in the  
Lounge



# The Independent

## Traveller

Istanbul holds a special place in the history of Europe. It is the place where, traditionally, East met West, the only city in the world to span two continents. For centuries it was the centre of the Ottoman empire, the centre of an Islamic empire that threatened to overrun Christian Europe, and which reached the gates of Vienna under Suleymaniye the Magnificent. Before the Turks, Constantinople, as it was then known, was the capital of the Eastern Roman Empire, Byzantine, which outlived Rome by a thousand years. What city in the world can claim to have been the capital of two world empires as well as holding some of the world's finest monuments, a blend of East and West at its finest.

Today Istanbul may no longer be a great capital (Ataturk even moved the capital of Turkey to Ankara) but it is still one of the liveliest and most beautiful cities in the world, sprawling on both sides of the unsurpassed Bosphorus. The modern buildings in the city are as any found in European cities and one might think for a moment that one is in a rather dirty and shabby Southern European city, until one turns a corner and catches sight of a sombre grey mosque with its leaded roof or a row of the traditional wooden houses that caused so much fear of fires. The city itself is split into three parts, two in Europe, and the third on the Asian side of the Bosphorus. In Europe is the old city, Stamboul, sprawling over its five hills, each with its own mosque standing out on the skyline.

Across the Golden Horn, still in Europe, is the modern city, connected to Stamboul by the Galata Bridge, a floating bridge teeming with traffic while people eat in fish restaurants tucked under the road beside the water.

Stamboul contains most of the

sights of the city; climb the hill from the Golden horn and you will reach Sultan Aburnet quarter, the ancient heart of the capital. Here stand, facing each other, two great temples, one built by Christians, the other by Muslims, Haghia Sophia was built by the Emperor Justinian, and was for centuries the greatest cathedral in Christendom, and is still one of the most beautiful buildings in the world, even if it is a little worse for wear. When Constantinople eventually fell to the Turks, Haghia Sophia was converted into a mosque and the mosaics that existed were plastered over. This beautiful structure was used as the base for the design of all the Ottoman imperial mosques in Istanbul and throughout Turkey. Such was the influence of Haghia Sophia another mosque, the Blue Mosque, was built a thousand years later. Just as refined as the original mosque, the Blue Mosque is famous for the blue tiles that decorate the interior, and, perhaps, infamous for the young men outside who are so anxious for you to have a glass of tea in their Uncle's carpet shop.

Wander up the street from these



*Fishermen at the Golden Horn, Istanbul*

temples as the broken down buses roar past and you will meet with bustling, crowded Istanbul as it is today. Stop in a tea shop to spend a lazy afternoon playing backgammon or carry on past ancient graveyards and Turkish baths jammed in between shops to the Grand Bazaar. The great covered Bazaar is a little city in itself; you can spend hours strolling the winding little streets leading off, while still under the same roof. Anything from gold to the ubiquitous carpet can be bought, but remember to bargain, the price first quoted will be three times what should be paid. And, as you seal the deal on your 'genuine' Lacoste t-shirt, yet another glass of tea will be offered, purchased from little boys who run through the streets with trays full of glasses.

Down the hill, through narrow, shabby streets, each selling a speciality, towards the Galata Bridge, is the smaller Spice Bazaar. Here, the streets are filled with open sacks of spices, nuts and Turkish delight, which you are free to taste at your leisure as you decide on the best purchase. Leaving the Spice Bazaar, cross the square full of garden stalls and tea shops, to the New Mosque, facing the Galata Bridge.

The harbour around the Galata Bridge reminds one that Istanbul is a city split in three by water. The dock is lined with ancient steamers belching smoke, some still with plates marked 'Edinburgh 1887', that depart for Asia, the Sea of Marmaris and the Black Sea. Beside

the water, fishermen sell fish fresh from the Bosphorus, and stalls sell nuts and thin, pizza like snacks you roll round a whole chilli. From here you can take a ship to the Princes Islands in the Sea of Marmaris, the pleasure gardens of the princes in earlier times, now holiday homes for the wealthy of Istanbul.

Perched on the first hill of Istanbul, at the meeting point of the Golden Horn and the Bosphorus is Topkapi palace, the pleasure dome of the Sultans. The luxurious gardens and exquisite pavilions house some of the world's finest treasures; the contents of the treasury are beyond value. The heart of the palace is the harem, the private reserve of the Sultan, to enter which the eunuchs paid a high price. Now the price to enter is considerably less, and worth it to experience the opulence the Sultans lived in.

Descend again to the Golden Horn and cross the Galata Bridge to the modern city, and take Istanbul's only tube line, with just two stops, up the hill to the Galata Tower. The Galata Tower was built by Genoese merchants, excluded from the city proper as they were infidels, and now offers some of the best views of the city. Look across the Golden Horn towards the five hills with their mosques and minarets as the sun sets and the Imam calls the faithful to prayer, and say goodbye to Istanbul, for the moment.

**By Paul Barton**



*The New Mosque*



## IN THE PIPELINE

by ANDREW HALL

Some health stories gleaned from the press over the last few months; believe as much or as little as you like.

### Eating Muesli 'may make you high'

Some breakfast cereals may contain active amounts of the hallucinogenic drug, LSD, according to the British Nutrition Foundation.

LSD is produced from ergot which is a fungal infestation of wheat and rye, and particularly affects bran, with the consequence that the current fashion for wholemeal cereals could result in the consumption of enough LSD to cause a lift in mood.

There has been a suggestion that some of the cereals available in health food shops carry quite substantial fungal contamination; this may explain why muesli has become so popular. It is probably not the chocolate on Hob-Nobs which makes you eat a whole packet at once.

### Morning tea may cut vitamin benefit

Along with your bowl of bran flakes you will probably be drinking a cup of tea. This, according to the Institute of Food Research, could reduce the benefits of health supplements such as iron tablets.

Tea, particularly black tea, contains free tannin which prevents the intestine from absorbing iron. There is also evidence that high fibre foods can render mineral supplements almost useless. So your breakfast cereal may contain fourteen different vitamins, iron, selenium and molybdenum, but these are not of any use to you if they are not absorbed.

Iron is generally poorly absorbed from food anyway, unless you take vitamin C, or drink orange juice; ideally orange juice should be drunk with bacon and eggs. Normally the iron in the egg is virtually not absorbed at all because of interfering substances; the orange juice greatly increases its absorption. That is if you are more concerned about

eating iron than about your heart. Advice from nutritionalists should be taken with a large pinch of salt (now that's another story in itself!).

### Illness risk for the inactive

We all know that exercise is good for us; a recent Government report warns that large numbers of children are taking too little exercise with the consequence that many of them are likely to be at risk from serious disease and reduced life expectancy.

Physical activity is increasingly being replaced by a sedentary lifestyle at home (television), going to school (travelling by car instead of walking or cycling) and even at school. So get on your bike and stop complaining about tube fares.

### Risk from radioactive gas

Twice as many homes are exposed to excessive amounts of radioactive radon gas as was previously thought. Radon gas, which is produced naturally by rocks such as granite decays into solid isotopes of polonium and bismuth, which irradiates the lining of the lungs with alpha particles which can induce cancer. The National Radiological Protection Board estimates that 1,500 people a year die from radon-induced lung cancer, out of a total of 40,000 lung cancer deaths, which makes this a far more serious problem than any man-made radioactive hazard. U to

50,000 houses may be exposed to amounts greater than the action limit of 400 becquerels per cubic metre of air; these houses are located in granite areas particularly in Devon and Cornwall.

### Blood clots in cramped air seats

Before you decide to spend your next summer holiday in Benidorm rather than Torquay, here's another problem. It is the increased risk of developing blood clots due to cramped conditions on economy class air flights. A three year study carried out at Heathrow airport found that 18 per cent of 61 sudden deaths in long-distance passengers were due to pulmonary embolus (blood clot in the lung). The main cause is stasis (stoppage of blood flow) of the lower limb, exacerbated by cramped conditions, and dehydration due to excessive alcohol intake. Journeys as short as three to four hours may be potentially dangerous; the formation of a blood clot may not be noticed until it is dislodged by vigorous exercise after the flight. British Airways claim that the risks are 'infinitely small' in relation to the number of passengers carried; however, they recommend frequent movement in the aisle during the flight and stop-overs. This could be achieved easily by British Rail's method of selling more tickets than there are seats.

### Next week

This year's Nobel Prize winners.

## OH NO!



Derek Dash stared into the cup of tea before him. He was a worried man. Phallix had finally found out about his plans to change Cheapskate into Evencheaper-skate. Somehow they seemed to know even more about Royal Holloway than he did.

He'd had to tell them that there were plans to form a committee which would decide whether or not to hold a meeting to consider whether there should be a working party on proposals to go to a liaison group. He didn't know what it all meant, but Mad Dash had told him that it was the ideal answer.

After what Willhebe Goodforacolumninch, the Phallix Editor, had written about him in Phallix he wanted Willhebe's tender crinkly bits over a red hot griddle. He smiled at the thought and decided that it would teach him not to nod when he was told to.

Meanwhile, Little Lord Patacake, the Chief Citizen, was running around the citizen's office trying to look business-like and managerial behind his office door. As he placed the last pencil in the neat stack on his desk he pressed the button on

the intercom:

'Receptionist, you may let the citizens into my office now' he said; somehow, he seemed to have forgotten Kathy Why-aye-man's name recently. She smiled at the citizen in the front of her desk and let him in.

As he leaned back in his throne and looked at the citizen, Little Lord Patacake grinned and asked

'What's your problem little citizen?'

'Please Mr Patacake, sir. I can't afford to live in Nibble Hall. The rent's too high and I'm starving on the portions in the citizen's Hack Bar.'

'It's got nothing to do with me, you worthless piece of cow dung' said Lord Patacake. 'Go and see Chas Pianoplayer. (Lord Patacake had discovered that he could solve all of his problems in this way.)

The citizen cried and Chas Pianoplayer came in and took him away.

'Here little citizen,' he said 'have one of my lovely blue citizens' cards instead.' He was really proud of his new cards, even though they were the wrong size for the plastic bits

around them.

Back in his office, Derek Dash, was talking to one of his spies.

'What do you mean, leaving?' he said.

The little man was whimpering as Mad Dash tightened the thumbscrews.

'It's true, I admit it, John Secretary, Rob McNorthy and PC Plod, they're all leaving,' he screamed, 'and soon!'

The Baron frowned and pondered. Mad Dash would have no work on the typewriter if they all left, and things were getting bad as it was...

Will John Secretary and his chums leave?

Will Mad Dash tighten the thumbscrews further?

Will little Lord Patacake become an heir apparent by next time?

Is Chas Pianoplayer's citizen card really that good?

The 'Baron of Cheapskate' is a fictional story. Any similarity between the characters contained therein and Nigel Baker, Chas Brereton, Rob Northey, Bill Goodwin, Eric Ash, Clare Ash, Kathy Tait, Geoff Reeves and John Smith is entirely coincidental.



## FOOTBALL

## Victory

IC 1-6

Guys 1-2

IC maintained their 100% record with an emphatic victory over the first division champions Guys Hospital.

The deadlock was broken in the first ten minutes when Paul Thompson headed in via the goalkeeper and the post, who was sick as a parrot! Nigel Collier added a second ten minutes later.

Then Byron Wood stepped up a gear...into neutral, and sneaked in a quick four to 'steal' the game.

They scored but who cares!!

By the way Tim Fisher and Paul Olden were also on the pitch.

Pip Peel did nothing during the game, but it was his 21st birthday and he was saving himself for the performance in the bar after the match.

King's again pulled themselves together but were stopped in their tracks by the stupendous goal from Pip Peel. Beating the entire defence single-handedly. Our intrepid midfield man kept his cool and calmly slotted the ball home.

Kings started the second half in aggressive style and IC were content to contain them and work on the break. This they did well and could, indeed should have, increased their lead when Nigel Collier glanced a header against the bar. Kings continued to attack, hitting the post and forcing several corners. However they lacked initiative in front of goal and IC's efficient back four coped admirably. Having weathered the storm, IC moved up a gear and finished off a comfortable win on top.



## FOOTBALL

## IC vs Kings

IC 1-2

KQC-0

An unspectacular but hard working performance by the firsts saw them notch up a second successive win, against last season's runners-up, Kings. Once again IC started tentatively with sloppy passing allowing King's to take the initiative, forcing several saves from Simon Holden early on. However, IC regained their composure and took the lead on the half hour after Paul Olden was dubiously judged to have been fouled in the box. Phil Ewart drove the result penalty straight at the keeper, who obligingly dived over the ball.

## SKIING

## Dry Slope Racing

In the first race of the year at Welwyn Garden City on Sunday the Ski Club entered three complete teams (is this a record?).

The 1st team survived the first and second rounds undefeated, despite some impromptu ballet by Anna, but then faced a team who looked as if they lived on a dry slope in the final.

The 2nd and 3rd teams both lost their first races (but not by much) and then won the remaining races in the two rounds. This led to a thrilling confrontation of the two teams in the play-off for 7th and 8th places overall. Despite various death threats and sabotage attempts, the 2nd team won to make the final placings 2nd, 7th and 8th for IC (out of 15).

## MENS HOCKEY

## Good Work

IC 3rd XI

Harrow Town Swans III

After three successive defeats (including an 8-0 thrashing at the hands of Royal Free) the 3rds looked a glimmer of their true potential on a pitch looking more like the Grand Canyon than anything fit for hockey and without goalkeeper Shaun who broke his finger in the warm up before the game.

Good work in the centre of the pitch by Martin Garer, Mark Lansdon and John Briggs led to the first goal being scored after 15 minutes by Steve Burton and 10 minutes later good work in the left wing produced the second goal—scored with clinical precision again by Steve Burton.

Early on in the second half the opposition managed to save a rather scrappy goal from one of their large number of short corners but the game was effectively won 10 minutes later when the ball was picked up at the edge of the D by Steve Burton who hit a fierce drive past the advancing goalie into the bottom left hand corner of the net to complete his hat trick.

## THOUGHT FOR THE WEEK

To bed or not to bed? Is this a stupid question or just a diabolical pun?

The advantages of late nights do not include 'The Last Resort' with Jonathan Ross but perhaps the seasoned bursts of Batman on Night Network are worthy of staying up for.

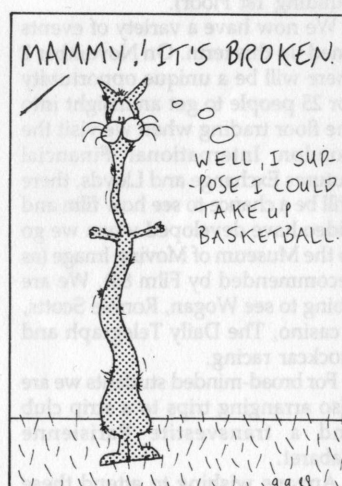
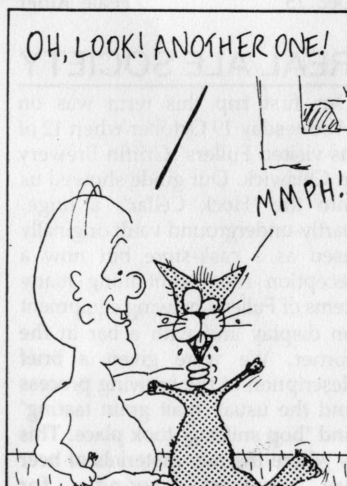
As regards students getting up in the morning, this seems for many a non starter although it may have been aided by 8.30am lectures. Anyway who wants to get up early just to see another drab London morning?

Is this indiscipline in student sleeping habits (fun though it can be at times) a symptom of more serious factors? Is the zombied state that it induces due to an obvious lack of sleep resulting in stress and inefficiency in our woken hours, an escapism from reality? an anaesthetic to the pain of student life? Moreover is it life that is the pain or, are we afraid of quietness and spending time with ourselves and our innermost thoughts. Is this lax discipline in our sleeping habits a result of us desiring to chase an utopia outside our current existence? Conversely, instead of lack of sleep being an escape from life is it instead that we desire not to sleep but to escape from the nightmare of it—dreams such as appearing on 'The Last Resort' with Johathan Woss or more profoundly perhaps, a contemporary equivalent of Pharaoh's Cows?

## WORD OF THE WEEK

ESOTERIC

## Southkenders





# Clubs

YHA

## YHA Goes to Town



### And Country!

The Youth Hostel Club certainly went to town for its first walk this year, along the Grand Union Canal in East London, and ending in Docklands for the 'Jean Michel Jarre' concert.

As a complete contrast, the following two weekends were spent walking in the Peak District and Shropshire.

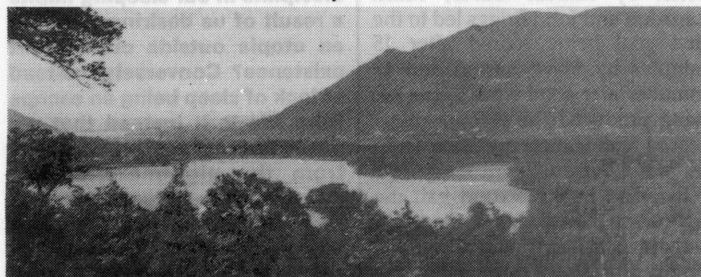
In Shropshire we stayed at Ludlow Youth Hostel, and walked the areas known as 'The Long Mynd' and 'Wenlock Edge'.

In the Peak District, Meerbrook Youth Hostel was our base, and walks included the beautiful valley

of 'Dove Dale'.

Youth hostelling and walking are marvellous ways of exploring Britain and of making new friends at the same time. Little is required in terms of equipment but recommended are: walking boots, waterproofs and a good sense of humour (necessary when crossing the bogs and marshes).

For further information about our activities, just come along to a meeting (12.30pm Thursdays in Southside Upper Lounge) or contact Brian Dorricott via the Elec Eng pigeonholes.



GLC

## Get 'em off with GLC

The Club holds its weekly meeting on Friday lunchtimes at 12.45pm in the Senior Common Room (Union Building 1st Floor).

We now have a variety of events lined up this term. On November 2 there will be a unique opportunity for 25 people to get an insight into the floor trading when we visit the London International Financial Futures Exchange and Lloyds. there will be a chance to see how film and video have developed when we go to the Museum of Moving Image (as recommended by Film 88). We are going to see Wogan, Ronnie Scotts, a casino, The Daily Telegraph and stockcar racing.

For broad-minded students we are also arranging trips to a strip club and a transvestite Parisienne Cabaret.

Anyone wishing to attend these

events should sign up on Friday—join up or miss out.

ICCAG

## Club 21 and over

Over 21 and able to drive? If so you are just the person we're looking for.

We desperately need Union Van Drivers for any Thursday night from 9.15pm to 11.00pm to drive for the Soup Run.

It's only two hours and is great fun, if slightly rowdy. Even if you can only drive once we will need to hear from you.

We also need drivers for a playgroup and other activities which take place throughout the year.

So please get in touch with me (Alistair Goodall) via the ICCAG pigeonhole in the Union Office or the Computing Department lettertracks.

METHSOC

Paul Boateng, the Labour MP, first elected at the last General Election will be speaking at 1pm in the Union Concert Hall on Thursday 3 November. The title of the discussion will be 'Christianity and Politics'. Free to everyone.

FILMSOC

## The Blues Brothers

What can one say about this film?

A cult movie to rival *The Rocky Horror Picture Show* in popularity, it surely has one of the best soundtracks of any movie. It's the story of two lovable rogue brothers, Jake and Elwood Blues, and their attempts to resurrect their band to raise enough money to save their old orphanage. Starring John Belushi and Dan Ackroyd, there are some notable special guest performances by such musical luminaries as Aretha Franklin, James Brown and Ray Charles (also see if you can spot Pee Wee Herman). The stunts, the music and the jokes are reason enough to come and see this film, besides the fact it is a required part of any student's education. So come on, and catch some culture at Filmsoc, we'll be projecting in Mech Eng 220 at 7pm on Thursday 3 November' it's only £1 or 50p if you're a member. (Membership costs £5 and gets you into your first film free.) We'll be showing the films below this term and who knows if there's enough interest we may go to the Museum of the Moving Image on the South Bank or some similar establishment.

Nov 3	The Blues Brothers
Nov 10	The Wall
Nov 17	Radio Days
Nov 24	White Mischief
Dec 1	Full Metal Jacket
Dec 8	Dumbo
Dec 15	Pale Rider

REAL ALE SOCIETY

Our first trip this term was on Wednesday 19 October when 12 of us visited Fullers' Griffin Brewery in Chiswick. Our guide showed us into the 'Hock Cellar', a huge, partly-underground vault originally used as a cask-store but now a reception room containing many items of Fuller's brewing equipment on display and with a bar in the corner. We were given a brief description of the brewing process and the usual 'malt grain tasting' and 'hop sniffing' took place. This is where the raw materials of beer are passed round for

consumption—an essential ritual on a brewery visit.

We were also given a brief history of the company. There has been a brewery on the site since 1660 though the original John Fuller only joined the enterprise in 1829.

We left the Hock Cellar and toured the rest of the brewery. Unfortunately, much of the older part of the brewery was not included on the tour and closed stainless steel fermenting vessels and computerised control panels do not hold the same appeal as the 'traditional equipment' still seen in



many breweries.

We returned to the Hock Cellar for another brewery trip ritual, the free beer and sandwiches! We were joined at this point by the Assistant Head Brewer who was able to answer our numerous questions about the brewing process. The bar was closed at 5pm and after some excellent beer we left the brewery only to pause after 50 yards to visit the Fox and Hounds and Manson Arms to try 'Mr Harry', Fullers new guest beer.

Our next trip will be to Kin and Barnes in Sussex, details at our next meeting on November 3 in the Union Crush Bar featuring Theakstons Old Peculiar.

## IC EXPEDITION

We are hoping to run an expedition during the three month summer holidays to the Amazon jungle. Anyone interested in joining the expedition should send a note via the internal mail to either Gideon Smith, Physics 2 or Margaret Aderin, Physics 2 as soon as possible (by Thursday 3 November) stating your name, age, nationality, department, status (undergraduate or postgraduate) and relevant experience (if any).

This info plus a personal financial contribution of £400 per party member is stipulated by the Imperial College Expedition Board (that's equivalent to £34 per week—not bad when you consider you'd be paying at least that to stay in London and you wouldn't get to fly half way round the world!).



## ORIENTEERING CLUB

Last weekend the Orienteering Club packed up their compasses, maps, 'O' shoes and the very essential wellies and red pens and braved British Rail to discover the wonders of the Berkshire countryside. Having skillfully located registration the merry band proceeded to the start. The question in the back of their mind being; 'If I get lost will I find the snakes in the out of bounds area?'

Nobody (who made it back) found the snakes, and despite the dull weather all the newcomers completed their 4.5km course in around 90-120 minutes, in a not too muddy state.

This weekend we're heading North to Dunstable or for the crazier members of the Club to the Cheviots for a mountain marathon.

For further details of Wednesday evening training or weekend fixtures, contact Andy Faza Kerley (Space Physics PG).

## IC RADIO

### Fast Trouser Show

With test surveys showing that 9 out of 10 vegetarians preferred it to a stiff leek, it can be proved that the Fast Trouser Show can get you off to a good start for the day. So tune in on Thursdays at 1pm to IC Radio for the quickest rubbing down you will ever receive.

## W.I.S.T.

### Women at IC

On Thursday 3 November, Margaret Cunningham will be speaking on 'Women at IC—Past, Present and Future'. She is well qualified to do so, having been an undergraduate here when the number of women totalled 100, and she has now risen to the rank of Senior Tutor of DoC. She is a past Senior Tutor for Women, and plays a major role in the organisation of the ICWISE courses.

See you there, in the Union Lounge (opposite the Snack Bar) at 12.45pm. All welcome, admission is free.

## KUNG FU CLUB

### Wu Shu Kwan

At the Imperial College Kung Fu Club, we practise a style called Wu Shu Kwan, or Chinese Boxing. It is commonly known in the West as Fighting Kung Fu and aims at training the body and the mind. It involves training with and without weapons. Wu Shu Kwan is probably the most practical and formidable martial art in the world.

Wu Shu Kwan can be practised by men and women, young and old, as an unsurpassed method of self defence, as an extremely effective form of physical training and health culture and as a remarkably easy way of achieving confidence and peace of mind. Wu Shu Kwan training is a sure way of increasing one's strength, speed, coordination, agility, mobility, flexibility and balance.

Wu Shu Kwan maintains a very high standard of instruction and is intended for anyone who wishes to achieve a fuller, happier and healthier life through proven mental and physical training principles and methods. Everyone, man or woman, young or old, can benefit from competent instruction. With each session you will find yourself fitter and more proficient. As a general rule the basic skills of self defence can be learnt in a few months. However, the longer you train the better you will become—the sky's the limit.

Training sessions take place in the Union Gym every Sunday at 4.30pm, with beginners classes starting every week. There is also training every Saturday at the Southside Gym at 4.30pm and Grandmaster C K Chang holds a class on Wednesday evenings at 7.30pm in the Union Gym. For further information, please contact Steve Murray (Mech Eng 2) or Warren Wong (Elec Eng 3), or, even better, turn up to the Sunday training session and see for yourself.

## ULU KARATE

### Team Trip to Japan

This summer Sensei Andrews led a team of six students (Osama, Abbosh, Ling, James, Newton and Taylor) to Japan at the invitation of the World Champion, Sensei Yahara, to train, compete and live alongside some of his students from two Japanese universities.

We flew out to Japan via Anchorage with British Airways, arriving 18 hours later at Narita



Airport, 65km outside Tokyo. It was a great honour for us to find that Sensei Yahara, his business partner and several of his students had come to meet us at the Airport. We were then driven to the Imperial Hotel, probably the best hotel in Tokyo. Sensei Yahara had arranged special financial arrangements, just one example of the kindness and consideration he showed us.

We spent two days in Tokyo, at all times being escorted by the captains of the two university karate clubs we were to train with. They met us each morning, taking us out into Tokyo for breakfast and then sight seeing. Sensei Yahara honoured us by arranging for us to watch the Instructors training class—a privilege usually only bestowed on visiting dignitaries. That evening Sensei Yahara took us all out for a Chinese meal with some of his friends, including two Frenchmen who were going to the training camp with us.

The next day we went to the station to meet the 40 students from the Japanese Universities with whom we then continued on to the karate camp. After two and a half hours we arrived at the City of Oklahoma and, transferring to two coaches, continued to wind our way up into the mountains. We arrived at a small ski resort called Oze, where we were to train. In the hotel we slept on traditional Japanese beds and ate Japanese food whilst sitting cross-legged at a table. Karate training commenced the next day, a typical day was as follows:

We rose at 6am, awakened by the village siren, and were transferred by coach to the dojo (karate hall), at 6.30 kata (karate set forms) training was taught at the morning session from 6.45 until 9.00am. After training we returned to the hotel for a traditional breakfast, this generally consisted of rice, seaweed, cold fish, black tea and Japanese pickles. Lunch was at noon and the afternoon karate session

commenced at 3.00pm and continued until 5.30pm. Afternoon sessions consisted of kumite (fighting techniques) usually ending with some 'free fighting' or a competition. On the second day the University of London's team beat the Japanese Universities team in the inter-university competition. After training we returned for dinner, again very traditional. In the evenings, meetings were held which gave us the opportunity to ask Sensei Yahara questions, and for him to explain some of the finer points of the day's lessons.

At the end of the course we had made good friends with the Japanese students and on returning to Tokyo spent the evening with them whilst Sensei Andrews had dinner with Sensei Yahara. The penultimate day was spent sight seeing around the extensive markets, including those stocking a wide variety of fish.

Although we spent only ten days in Japan we were able to sample the culture in a quite unique way. As we were always accompanied by Japanese students we had no serious language problems and experienced the Japanese way of life. The karate training was very hard and the spirit shown by the Japanese students was frightening at first. However, with the help of Sensei Andrews we were able to overcome this fear quite early on and train as hard as them with just as much spirit.

Sensei Yahara impressed us all by his skill and by the generosity he showed us, even though we were only students. We all returned with new values of respect for other people and for our instructors. We hope next year that some of our Japanese friends will come to England to visit us, we can then return their great hospitality and thank them again for making our trip so memorable and so full of experiences.



# What's On

## What's On

A guide to events in and around IC.

### FRIDAY

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

**Swimming and Water**

**Polo Club.....12.30pm**  
Membership available from Southside Upper Lounge today and Monday

**Afro Caribbean Soc**

**Party.....8.00pm**  
Union Lounge. Bar extension. £2.50 (£3 non-members).

**Kings Ski Club.....8.00pm**  
3rd Street Disco (on Cromwell Road). Black tie. Price £8 (includes buffet).

### SATURDAY

**IC Kung Fu.....4.30pm**  
Southside Gym. Beginners always welcome.

**Rock Soc Disco.....8.00pm**  
Union Lower Lounge. £2 (incl membership), 50p for members.

### SUNDAY

**Sunday Service.....10.00am**  
Ground Floor Sheffield Building. Come and join us for Holy Communion.

**Wargames.....1.00pm**  
Senior Common Room. All Welcome.

**Kung Fu.....4.30pm**  
Union Gym. Beginners welcome.

**RCSU Night in the Bar.....7.00pm**  
Union Bar.

### MONDAY

**Yacht Club.....12.30pm**  
Brown Committee Room (3rd floor Union Building). Anyone interested in joining should come along.

**Rock Soc Meeting.....12.30pm**  
Southside Upper Lounge. Come along and have a good time.

### TUESDAY

**Industrial Soc Recruitment Stand.....12.30pm**  
JCR. Get your membership while stock lasts! (£1.50)

**Audiosoc Meeting.....12.30pm**  
Union SCR. Cheap records and tapes etc.

**Folk Club.....12.30pm**  
Union Lounge. Musicians/non-musicians all welcome.

**Cathsoc.....12.35pm**  
Mech Eng 702. Mass followed by sandwiches and coffee.

**Ski Club Meeting.....12.45pm**  
Southside Lounge. Interested in learning to ski? Already hooked? Want a cheap ski holiday? Come and find out more.

**Speaker Meeting.....1.15pm**  
Read Theatre, Sheffield Building. 'The American Presidential Election'—Eli Segal.

**IC Jewish Soc.....1.30pm**  
SCR. A programme on Kristallnacht.

**Amnesty Meeting.....5.30pm**  
Brown Committee Room (top floor Union Building).

**Meditative Prayer.....5.45pm**  
Chaplain's Office, 10 Princes Gardens. Come and join us for some peace and quiet.

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

**Caving Club Meeting.....7.00pm**  
Southside Upper Lounge. Everyone interested should come along.

### WEDNESDAY

**Building Blocks.....12.30pm**  
Mech Eng 702. A course in Christian Education. Everybody welcome. Lunch provided for only 75p

**Ski Lessons.....12.45pm**  
Meet Southside Lounge. Come to Tuesday's meeting to book a place. Bring gloves and thick socks.

**Coopers & Lybraud Business Game.....1.00pm**  
Coopers Lybraud, Bloomsbury Square. Open to members of Indsoc. See Jack Bekhor, Civ Eng 3.

**Arthur Young Business Game.....1.00pm**  
Chem Eng Lecture Theatre 1. See Jack Bekhor, Civ Eng 3.

**Caving Club Meeting.....1.00pm**

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

### THURSDAY

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

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

**Cycling Club.....12.35pm**  
Above Southside Bar. All welcome!!

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

**Methsoc Speaker Meeting.....1.00pm**  
Union Concert Hall. Paul Boateng MP speaks on 'Christianity and Politics'.

**Lunch Hour Concert.....1.30pm**  
Read Theatre, Sheffield Building.

**Prayer Meeting.....5.30pm**  
All Christians in College are welcome to come and pray for the work of Christians in College.

**General Committee Meeting.....6.00pm**  
Mech Eng 705. See Guilds Office.

**Soup Run.....9.15pm**  
Meet Week's Hall Basement (back by 11pm).

## Small Ads

### ANNOUNCEMENTS

● **The Humanities** programme is looking for someone to distribute publicity for lunch-hour lectures and concerts each Tuesday at 12.00 throughout this term and the Spring term. The work take 20 minutes to half an hour. £4 a week. Ring Ainslee Rutledge on ext 7051 or call in to the Humanities Office (Mech Eng 313C).

● **Researcher** (Cardiff) required aid with photocopying. Postgraduate physicist preferred. Phone 0222 56 58 11.

● **Afro Caribbean Society** presents New Year's Party with King Masco on Friday 28th October 1988. 8pm till late, Union Lounge, £2.50 (£3 non-members).

● **Students** with mild asthma needed! Asthma can be a serious and even fatal disease. Research into the causes of asthma needs subjects with mild asthma. The Brompton Hospital (on Fulham Road) is a world leader in asthma research, but is short of subjects for important studies. Most studies involve 5-8 1-hour sessions, times by mutual arrangement. Generous expenses are paid. Phone Brompton 352 8121 ext 4931 or ext 3099 (Imperial College Health Centre).

● **Wanted**—qualified netball umpire. Pay £7 per match plus expenses. Contact Debra Smith, Mech Eng 3 or phone 785 2250.

● **Contact** Paul Thompson, Mech Eng 4, if you would like to referee games for IC football, even if not qualified (£8 per game).

### FOR SALE

● **Good**, sturdy bike plus front and rear lamps, lock and key and pump. Total £30 (will sell separately). Contact Andrew Well, Civ Eng—Pub Health.

● **Ibanez Roadster Guitar**. Twin humbuckers w/tremelo. Good condition £120 ono. Richard Pearson, Aero 2.

● **Peugeot** Triathlon Racing bike. Reynolds 501 frame. Quality components throughout. Excellent condition £250 ono. Including u-lock. Contact R Dilmaghanian, Civ Eng PG (via pigeonholes).

### PERSONAL

● **Watch** out! The creepozoids are here. The two mad grannies.

● **Student** wanted for occasionally babysitting. 15 minutes walk from College. £2.25 per hour. 3rd year or PG preferred. Tel: 01-373 5208.

## Islam

(continued from page 8)

presented by Islam right in the current of life. Heads of governments, governors of states, judges, members of armed forces and police services, elected representatives of the people in the parliament, leaders of finance, trade and industry, college and university teachers, and students alike receive guidance to organise their lives according to the principles of Islam. There is no distinction in Islam between private and public conduct. The same moral code which one observes at home, applies to one's conduct in public. Every institution of society and every department of government must conform to the laws of Islam. Politics must be based on truth and justice. Nations should deal with one another, on the basis of mutual recognition of rights, and due discharge of obligations. Even if there has to be war, those engaged in it should conduct themselves not as barbarians but as civilised human beings. When man decides to submit to the will of God, and accepts his law as the supreme law, and organises his life in accordance with the revealed moral code, on the principle of accountability to God, the quality and character of life cannot be limited to the precincts of prayer halls. It must extend itself to every sphere of his work as a man of God. This briefly is what Islam stands for. This is no dream or utopia. The Prophet of Islam, and his companions, developed and established a complete model of Islam on this earth for mankind to follow.

**EAT  
FOOD  
it is  
good  
for you!**

The Union Snack  
Bar is open from  
8am until 8pm.  
*Eat there or be a  
baked banana!*



# 'Gnoming and Grim-Reapery'

Tonight is the last of our dinners. The Life Science, Physics and Maths dinner is followed by a party in the Main Dining Hall in Sherfield. The party is also open to Chemists who went to their dinner on Wednesday. There is a bar extension until 2am so it should be good.

The Spanner and Bolt handover is going well.

Guilds had trouble last Friday when the police moved them along whilst they were carol singing. They also had trouble finding their clue which was hidden somewhere unpleasant! Tonight they will receive their next clue somewhere

near the Serpentine. The total money handed over so far is about £500.

Ents are still looking for more acts for the Smoking Concert in Rag Week. Call into the RCSU Office or contact Dave Green in Chemistry 2 if you are interested.

Rag is busy preparing for Rag Week. Our new idea for this year is Gnoming and Grim-reapery. You pay us some money and a Gnome or Grim-reaper follows your victim around for the day. Sounds like fun? Then call in the Office and volunteer or give us a victim.

*Dave Williams, RCSU VP.*

# When Eeyore lost his tail



*'A bear of very little brain'*

## ICU and St Mary's

After the problems last year between St Mary's Hospital Medical School Students Union and ICU we have now set about discussions which should result in a merger going ahead by August 1 1989. A working party has been set up consisting of four St Mary's reps and ICU Exec less Ian Morris. (A wise move - Ed). We have met twice over the last month and have made real progress. The subjects we have discussed and come to agreement over include; Academic Affairs, Welfare, Accommodation and Sports Facilities. No insurmountable problems have been encountered so far, although we have yet to discuss

the thorny topics of Finance and Union Policy. Even so, we are so confident of eventual success that we have started planning a massive celebration in the Union Building for the last Friday of next term. See you there!

## Welfare Survey

By the time you read this most of you will have received a survey paper. The remainder will be going out on Monday. Please fill in these forms and return them to your departmental messengers since this is one of the few chances we get to see what the real needs of our student are.

*Nigel D Baker, ICU President.*

# Box Car Wendy

May I apologise to anyone who was expecting a competent, professional duo at the Country & Western night last Saturday. Unable to find anyone for less than £100, the onus fell on myself to rope in a friend and rattle out a small set in five hours whilst completely blathered.

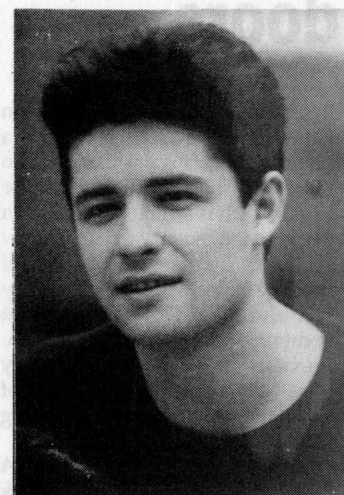
Many thanks to Jeremy and Jelly for the help.

On Monday there is a Halloween Party jointly run by the American Institute for Foreign Study and ourselves and tickets are available from the Union Office for £1.

**Elections.** Hopefully the election on Tuesday will have occurred without too many problems although I found myself rather lost using election instructions which were last updated in 1973.

In the Easter holidays I intend to review the whole of the Union's bye-laws which are in a terrible state, thus making my successors job more manageable.

**Posters.** John Smith, the College



Secretary has issued a memo regulating posters to notice board areas only. I am not entirely happy with this and hope to have a meeting with a view to establishing a compromise.

*Ian Morris, ICU Hon Sec (Events)*

# Sports shop shock

Over the Summer the Sports Shop moved from the Sherfield walkway to the Union Building. During the move a complete stock take was completed which showed that the Sports Shop was holding a lot of out of date stock.

In the last few weeks the Sports Shop has had problems with staff illness resulting in the shop not being open.

In order to try and resolve both of the above problems and to bring a lot of bargains to you there will be a **Stock Clearance Sale** in the JCR on Wednesday 2 November and Thursday 3 November from 10am to 4pm. Depending on the success of this sale there may be more sales in the near future.

**Warning:** Some clubs in the past have ordered stock to be sold through the Sports Shop to their members. This stock is moving very slowly at present, it is very likely that this stock will be sold at ridiculously low prices unless the clubs concerned contact Chas Brereton by 5pm on Monday 31 October.

**Benjamin Turner (Chem Eng 3)**  
Please return our number stamp  
Thanks, FELIX Office

## Parking Permit Appeals

The following people have been awarded a permit after appealing:

EJB 23V  
B551 OEL  
JV 88670  
OGT 123V  
SNB 134X

Any permits not collected by Friday November 4, will be awarded to the reserve list, which is:

RFT 162Y  
B288 JMY  
RAD 83S  
JPV 125V  
DTP 951W

# RAPE ALARMS

Available from Kathy  
in the Union Office



## Magnetic doors

Residents of Southside and Evelyn Gardens have started using a magnetic key system designed to make the Halls more secure. The keys, which resemble dog-tags can be recoded each year for new students, said College Chief Security Officer, Geoff Reeves. They will also be fitted to all student bedrooms at a cost of £150 each. Previous problems with security have been worsened by the loss of keys in the Summer Letting Scheme.

Linstead Hall retains an ASSA twin system with a key blank unique to the College.

## Computer thefts

Thieves stole £14,000 worth of computer hardware from a research block in Mechanical Engineering on Monday night. The theft is the latest in a spate over the summer and the work of a professional gang who specialise in stealing desk-top computer hardware said the College Security Office, Geoff Reeves. He also believes the gang has a mole working in the College providing keys and inside knowledge essential to the crimes.

## University finances slammed



The Rector, Eric Ash, and retiring Chairman of the Governing Body, Sir Henry Fisher, condemned cut backs in University funding at yesterday's Commemoration Day Ceremony for new graduates.

The Rector said that the greatest threat to academic freedom was not from the Education Reform Bill but from reduced finances. He explained that it was becoming increasingly difficult to keep Imperial solvent and expressed concern that lack of resources would lead to the loss of academic talent within Universities.

The Rector went on to say that universities were becoming increasingly privatised, with Imperial now gaining 46% of its funds from sources outside Government.

In a speech given towards the end of the ceremony, Sir Henry Fisher said that Imperial had been managing to maintain its standard of research and teaching, but added that 'those in Government do not always realise the effect of cut backs in human terms.'

During the ceremony, Professors Ian Butterworth, Sir Peter Hirsch and Sir Stanley Peart, Soichiro Honda, Mostafa Kamal Tolba and Sir Frank Cooper incoming chairman of the Governing Body, were welcomed as Fellows of IC by College Secretary John Smith in a series of comic speeches. An Honorary Associate was also presented to Michael Humphrey Robert Sandwith.

## Raw deal for foreign students

Overseas student families with young children are in danger of losing their accommodation at Silwood. This follows a College decision last June to raise rents from £32 to £49 per week, exclusive of bills, which the Union at Silwood fought and won. They succeeded in keeping the rent down to £42.

The families live off a British Council grant of £360 per month, which fluctuates according to the dollar. With bills at £220 or more per month now, families are finding it difficult to cope according to Silwood Union President, Ian Lowles.

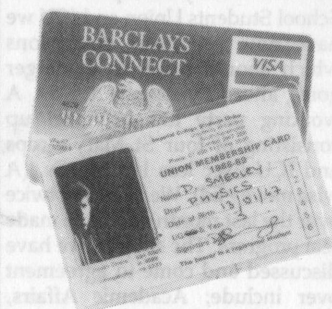
The students' spouses cannot supplement their income, as they are unable to obtain a work permit in Britain. Martin Parsons, administrator of Silwood, has met with John Smith, the College Secretary on a Housing Committee.

'Everything that we predicted has come true', added Mr Lowles, 'overseas families cannot afford to live—we forecasted this as early as June.'

## And finally

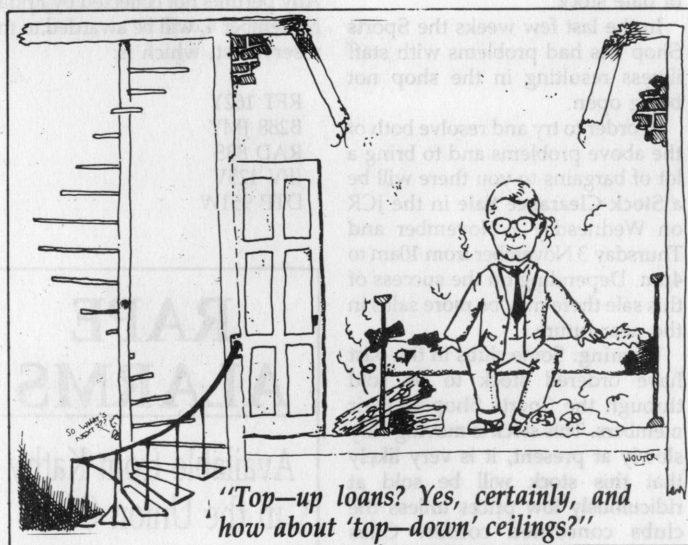
Last Tuesday's Imperial College Union General Meeting saw an amazing similarity between the new IC Union card and Barclays connect card.

Members and non-members of the Union were seen voting with Barclays Connect cards and being counted by Imperial College Union Deputy President Chas Brereton. Mr Brereton said afterwards 'That's the way it goes I suppose'.



'I think people should be told.'—Andy Bannister

## Satire strip...



## Blurred vision?

The Student Television of Imperial College (STOIC), held an interview with Kenneth Baker MP on Wednesday as he left IC after a visit to the College. Newshound Jason Lander spoke to Mr Baker on issues of Higher Education.

After their exclusive 'scoop' the team rushed the video tape to London's ITV studios for coverage on their programme 'London Plus'. Unfortunately, the video film was out of focus. 'Well worth £2,344 of anybody's money' said Station Manager John Denham afterwards.