

Founded 1949

The Newspaper of Imperial College Union

Warning issued to CCUs

Mascotry

IC Union Officers are attempting to prevent further breaches of Mascotry Rules after incidents involving C&GU and RCSU on Tuesday when fire extinguishers were discharged and cars were reported to have been driven dangerously.

In the first incident, on Tuesday lunchtime, the Chelsea College mascot 'Anchor' was brought to the RCS UGM using a VW van hired by RCS from outside College. They were met outside the Chemistry Building by a group of RCS students carrying fire extinguishers. An opposing group of Guildsmen were also present, including one on a motorbike and two drinking from milk bottles, when the Mascot was later driven away. RCS students discharged a CO2 extinguisher as the motorbike attempted to follow the van, causing the bike to stall. The milk bottles were subsequently thrown in the direction of rubbish skips, but it is not known by which party.

A memorandum was delivered by hand later that day to both CCU Offices from ICU Deputy President David Parry. After pointing out the dangers of removing fire extinguishers, of CO₂ gas, and of broken glass. He told CCU heads 'Mascotry is supposed to be a *friendly* sport not an exercise for GBH. I insist that the use of CO₂ fire extinguishers is stopped immediately and bottles are not to be used.

Later on Tuesday, between 7.15pm and 7.30pm, the RCS maseot 'Theta' was brought to the College in the same VW van for the Maths Freshers Dinner. RCS students stood at the main College gates and two fire extinguishers were seen near by, although they were not discharged or used threateningly.

After the van had driven through gates in the campus a white Ford Escort car drove into its path, and the gates were closed behind the van. Both vehicles slowed down and stopped. Between 20 and 60 RCS students pushed the Ford out of the path of the van, which then continued to the Sherfield Building. The mascot Theta was taken into the Maths Dinner in the Sherfield Refectory.

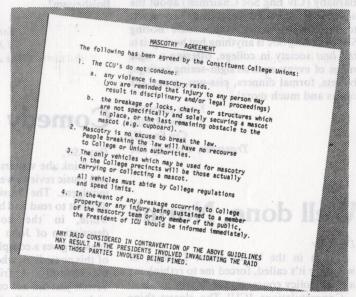
After the dinner Theta was loaded into the van and driven away along Exhibition Road.

A green Morris Marina car, which was parked outside the Polish Hearth Club on Exhibition Road, tried to give chase, but was blocked by about 50 to 60 RCS and C&G students in the road outside the main College gates. The car reversed and attempted to go down Exhibition Road on the wrong side. An RCS student in this part of the road ended up on the bonnet of the car. The student was not hurt; it is not clear if he jumped onto the bonnet or if he was hit by the car, which was then either stationary or moving at very slow speed.

The car reversed again, and drove towards the group on the other side of the road. The group dispersed and the car drove off at high speed, with a damaged wing and wing mirror. Mr Parry, who was a guest at the dinner, asked students in the road to disperse.

Mr Ian Josebury, City and Guilds Union Vice President, told FELIX he hoped that mascotry should be conducted safely. He thought Tuesday's events were not dangerous.

Mr Sean Davis, RCSU Vice President, was unwilling to make any statement. Madness



Mascotry is one of the oldest traditions of the Constituent College Unions. Each has its own *violate* mascot, that is to say one that is fair game to steal; Theta, Spanner and Davy for RCS, C&G and RSM respectively.

Teams from each CCU closely guard their own mascot, and organise 'raids' to try to steal other people's.

The rules of mascotry are embodied in the 'Mascotry Agreement' of October 1982, signed by all CCUs and ICU, and still in effect.



A total of £2100 was raised on Saturday as the CCUs tiddlywinked down Oxford Street for charity. The event ended with a Hey Vivo round the Duke of York's memorial and big beers in the Cockney Pride afterwards.



Headline causes controversy

Dear Sir

Last week you featured an article by Eric Barnaby (Civ Eng Soc Chairman) about the activities of the society, and I was very upset, to see that you had titled the article 'Boring Soc'. Civ Eng Soc is anything but boring; it is the best society in college, offering a wide range of events such as sight-seeing outings, buffets, formal dinners, piss-ups, group sex orgies and much more!

> Yours sincerely John M Ellis Civ Eng III Treasurer, Civ Eng Soc

Well done, Norm!

Dear Sir

Lunch in the Union lower Lounge, or whatever it's called, forced me to rethink my apathy policy concerning refectory meals.

Congratulations ICU! The closest thing I've had to food for two years.

London has already restored one 'Old Vic'; how about IC replacing it?

> Yours optimistically Tim Wilson Biochem 3

Dear Sir

If I have offended anyone at Imperial College, then I apologise.

Nick Gardner Ex-Chem Eng

Pinks in the sink

Recent letters to 'Felix' highlight the everincreasing infiltration of Bolshevism amongst our ranks.

In reply to Mr C Bell we must point out that while the soft soap's fragrance is reminiscent of happier days; the pastel pink is merely an insiduous mechanism to increase our subconscious acceptance of the vile political extremes this hue represents.

We implore 'Felix' readers everywhere to boycott the soap and render this propaganda ineffective.

And what is the link Bell, Bull, Bolshevism?

> Yours very very angrily Tom Osorio, Mech Eng II J Michaelis, Mech Eng II Chas Jackson, Chem Eng III Jo Baker, Civil Eng II

Comedy of errors

Dear Sir,

I think she writers of last week's comedy and music reviews were being somewhat selfindulgent. The music review was verbose, difficult to read and basically uninformative, while, in the comedy review, the description of John Hegley as 'devastingly cynical' gives a completely wrong impression of this comedian, who does not take himself too seriously. A friend told me that the review just did not convey what the comedy night was actually like. Also, anyone not present on the on the night would find the reference to the easy-rider motorbike confusing.

Next time, please concentrate more on creating an informative, readable review rather than simply exercising the full breadth of your vocabularies. That said, thanks for taking the trouble to review them at all.

Yours sincerely Dave Lock Physics 2

Next week is the FELIX Careers Special Issue, and on Wednesday 31 October the Industrial Society are holding their annual Careers Fair

On this occasion more than 60 companies come and put up exhibits in the JCR and Great Hall. It gives a good opportunity to see how potential employers compare and you can get an idea of what are your chances of getting a job in a given field.

For final year Students the Careers Fair is a must. But it's never too early for first and second years to start thinking about careers, seeing what is on offer and speaking to employers' representatives. Go along to the Careers Fair, and make the most of it. FELIX next week will contain articles and features on topics such as interviews, application forms, careers advice and so on.

Imperial College still hasn't got a team for University Challenge. Are we really such a bunch of thickies? There must be at least four bright IC students who can be relied upon not to humiliate the College infront of millions of television viewers. So please go along to the UDH at 1.00pm today to do a short paper of sample questions.

Acknowlegements: Many thanks to Rosemary, Tony, J Martin, Hugh, Nigel, Peter, Jonathan, Ajay, Pete Coleman, Grenville, D J Hampton-Chubb, Richard Weissenberg, Andy Whitehead, and all the collators.

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FOR SALE

•VW BEETLE 1974 Blue, £200 ono. Contact M Zalaf int-4430 Chem Eng.

•Golden retriever puppies excellent pedigree, good with children. Contact Colin Robinson int-4513.

•Sony TAAX4 55WPC AMP £60 pair quad prof monoblok 50w amps £200, set of golf clubs £70, Electric guitar c/w 15w practice amp and leads and fuzz/phase boxes £95, Escort Mk1 Spares — Dynamo/Carb/rear lenses — Offers? Contact Chris Gordon Chem UG P/H or 961 1777(Day) 603 1241 (Even/W/E)

•Red Alfa Sud 1.5 Super, 4 Door Saloon, T Reg, 54,000 miles, Good condition. £1 200 ono. Phone evenings (01) 589 47... Contact David Munden

● Technics RM235X Cassette Deck.
Dolby 'B', 'C', and 'DBX'. Very good
condition £100. Contact Gary Koh
DOC III Letter Racks or 42 Queensgate

there is the Tapeworm

•ICAS Can you be bothered?

•4ICAS might be coming soon.

•Real men don't make quiche — but we will cook any food ordered (within reason). Prices reasonable. Phone 373

2201 Tomara Evans.

•378 Steps up 378 Steps down on Sunday — 13 better than the Monument!

•Hm's Government Health warning economics lectures can seriously damage your health. Remember most accountants smoke!

Join Civil Eng; Get lung cancer.
 Come to the Civil Engineering Economics course; it could be of

terminal value

 Windscale give you cancer?
See Debsoc Tuesday. Meltdown with Debsoc — Tuesday.

•Sixth person still required for all male

Terrace, Flat 8.

•XS 250cc US custom Yamaha W Reg 1981 Aprox, just over 8,500 miles, one careful owner, garage kept. Contact Terry Sweeney Beit Hall Security, (3376).

WANTED

•New RCS Motor Club Secretary. Must like Old Fire Engines, drunken ex-chairman, Drinking. Large nipples an advantage. Contact Gareth Fish int

Woman/Girl Babysitter to take care of slightly unstable RCS Motor Club Chairman. Apply c/o RCS Union

ANNOUNCEMENTS

•Who is the Linstead Tapeworm? •Ken Livingstone is coming to college soon! Soc-Soc.

•A new force has emerged in Linstead
— first there was the Python. Now

(so far) Hamlet Garden Flat. Contact Sean Macrae (Chem 2), Dave Jones (ME 2 or c/o Felix Office).

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FAX at your fingertips

Imperial College now has its own Teletext service, probably the first of its kind at a British University.

The system, ICFAX, was devised by Peter Chase, a student in the Computing Department. It involves two BBC Microcomputers run from the College TV Studio, and it is broadcast to monitors on level 2, Sherfield and in Halls of Residence. One micro displays information while the other has its memory refreshed.

ICFAX carries information about College and Union events and it is hoped to include Sports results soon.

Any information to be included should reach Lynda Davies, Public Relations Office. Room 546A Sherfield by 4.00pm on the previous day.

Terminal solution

Imperial Software Technology have collaborated with the School of Oriental and African Studies to devise a computer program which produces Chinese characters on a terminal screen in response to a typed alphabet.

The 'romanized' version of Mandarin Chinese, Pingin, is typed into the computer with an ordinary 26-letter keyboard. Characters from the computer's 7000-character set then appear on the screen.

IBM — Exhibition

IBM, the world's leading manufacturer of mainframe computers, is to mount a major exhibition showing how technology is being used in a wide range of human activities,

including education, health and science.

The exhibition is housed in a unique see-through structure designed by Italian architect Renzo Piano, and is located in the gardens of the Natural History Museum. The exhibition comes to London after visiting Paris and Milan. It is planned to move on to Lyon in December.

IBM offer IC staff and students a special preview of the exhibition with buffet on Wednesday 7 November from 6.45pm to 8.45pm. Tickets are available, on a first-come first-serve basis, from the Public Relations Office, Sherfield, from Friday 26 October stating whether staff or students.

Vacancies

Vacancies for sub-wardenships still exist in a number of Evelyn Gardens houses and at Montpelier Hall.

Applications are invited for subwardens at Mining, Southwell and Holbein Houses

— further information and forms are available from the Union Office. The closing date for applications is 2 November.

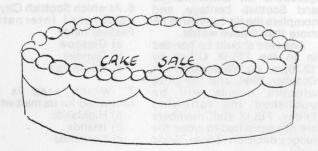
Rector to address ESF

The Rector, Lord Flowers, is to address the European Science Foundation in Strasbourg next month on the occasion of its tenth anniversary. Lord Flowers was the Chairman of the Foundation until 1982.

Minister for Higher Education Mr Peter Brooke (also MP for the College area) has emphasised the need for co-operation between European scientists. In a speech to European Ministers in Paris last month Mr Brooke proposed the formation of an academy of European Scientists which could, he said, provide a 'prestigous self-regulating body which fulfils the function of a national academy of individual scientists, on a European basis'.

You can't have your cake and eat it unless you come to

IC Day Nursery



on Friday 19th October 1984 from 10am to 1pm in the Consort Gallery Sherfield

Come and 'Raise some Dough' for the IC Nursery



-Sinful Pudding

It's a mistake to think that dinner guests must be given three courses. If you watch people ordering in restaurants you'll find that most of them just order either a starter or a pudding to go with their main course. If you've made elaborate first and main courses then a piece of fruit or a sorbet is a good way to end a

To be honest though, I've never had the courage to follow my own advice, so I try to make my puddings exotic enough to get compliments but no trouble to make.

'Sinful Pudding' is the name for 4fl oz of double cream, 12fl oz of plain yoghurt and 1 dessertspoon of brown sugar. It is sordidly expensive, disgracefully fattening and shamefully delicious.



Mix the cream and yoghurt gently in the serving bowl. Sprinkle the sugar over the surface and refrigerate for at least 30 minutes. The yoghurt takes away the cloyingness of the cream, and the sugar makes beautiful marble-like patterns as you spoon it out.

Serves as few as your consciences will permit.

Nick Gillies

Whisky Galore!

Your chance to win as many as six bottles of Glenmorangie Malt Whisky. Just read the passage below, answer the simple questions, and send your entry to the FELIX Office.

Here's your chance to celebrate the festive season in true style by winning presentation bottles of Glenmorangie Single High-

land Malt Whisky.

What is a 'single malt' whisky? It is the original Scotch Whisky—the unblended product of a single malt distillery, which has been produced and allowed to mature according to time honoured practices.

The name Glenmorangie derives from the Gaelic and means 'the Glen of Tranquility' Tranquility-a particularly appropriate description for the magnificent location and atmosphere of the Glenmorangie Distillery, in which the new Whisky is born and rests for ten years of maturation.

Glenmorangie has its own private water source-the Tarlogie Springs, which pass through red sandstone set deep in the distillery's own forest and give unusually hard, mineral-rich water. Only the best Highland Ross-shire barley is malted for Glenmorangie and this is lightly peated as it is driedimparting a subtle smokiness to the spirit and preserving delicacy of flavour.

But it is the stills used to refine the new spirit which are probably the single most important factor in shaping Glenmorangie's unique character. Installed in 1880, Glenmorangie's copper pot stills, though small, are the tallest in the Highlands—at 16ft 10.25ins, dwarfing the squatter pot stills of other distillers. These Glenmorangie stills ensure that only the purest vapours ascend to the top of the neck column.

After this, maturation is affected in American oak casks which allow the delicacy and flavour to develop. This delicacy is reflected in the pale, golden colour.

When all is said and done. however, it is the taste of Glenmorangie that sets the seal on its pre-eminence.

FELIX, in conjuction with Glenmorangie, is giving away twelve bottles of the whisky; six for the winner, two to the person coming second, and one each to the four runners up in this competition. For your chance to sample the delicate taste of the Glenmorangie malt, all you have to do to enter the competition is to choose the most appropriate answer to the general knowledge questions on Glenmorangie and Scottish heritage, and complete the tie-breaker in no more than twelve words.

Answers should be handed in to the FELIX Office by 12.30pm on Wednesday 31 October 1984, and the prize winners names will be published the following Friday. FELIX staff members are not permitted to enter; the judges decision is final. Good

- 1. A Skean Dhu is a: a) Scottish knife worn in men's hose
- b) A highland reel
- c) A water bird found off the West Coast
- 2. The Island of Harris, famous for its hand-woven Harris Tweeds is to be found:
 - a) In the Hebrides
 - b) In the Orkneys
 - c) Off the coast of Arran

- 3. How often is malt whisky distilled?
 - a) Once b) Twice

 - c) By a continuous process
- 4. Which island is the home of the handcrafted curling stone?
 - a) Isle of Wight
 - b) Ailsa Craig
 - c) Isle of Man
- 5. What is the basic ingredient of malt whisky?
 - a) Wheat
 - b) Oats
 - c) Barley
- 6. At which Scottish City is the celebrated International Festival held?
 - a) Glasgow
 - b) Dundee
 - c) Edinburgh
- 7. Which area is most renowned for its malt whisky?
 - a) Highlands
 - b) Islands
- c) Lowlands

I would like to try morangie at Chris because:	tmas
on Friday 19th	
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HOCKEY

Victory thirds

Last Saturday, IC Hockey Club 1st XI travelled to Kodak for their first League fixture. After a hard fought game and some very dubious umpiring, IC were unfortunate to be on the wrong end of a 1—0 scoreline.

College certainly had opportunities to score, particularly during a spell of sustained pressure early in the second half. A fine performance in goal by Jonathon West prevented a higher score for Kodak, but overall this was a game that IC felt that they could have won, despite the fact that they were a player short. College put up a very brave effort and a performance like this so early in the season shows promising signs for future matches.

Team: J West, A Stewart, P Smith, K McCormick, N Collie, P Oliver, M Hedges, J Baxter, N Hope, and P Dubenski.

Hockey 2nd-XI 13.10.84 IC 1 - Mill Hill 2

On Saturday, in the first match of the season, IC 2nds were unlucky to lose a closely contested match at home. Despite fielding only 10 men, IC scored first within 5 minutes of the start. Mill Hill countered strongly to go into a 2-1 lead at half-time. After the interval, tight defensive play from both sides ensured no further score. Goalkeeper Rolf Slatter made many fine saves, thus keeping the score respectable. The 5 freshmen in the side all played well - a fact which augurs well for the future.

Team: R Slatter, M Hall, L Chownsmith, A Oliver-Smith, J Stonham, D Wigney(Capt), J Ward, C Akers, I Howgate, J Sturgess, W Moore.

Hockey 13.10.84

IC 3rd XI - 6 us OMT's - 4

This first fixture of the season proved to be an eventful and enjoyable match. A half-time score of 2-1 in College's favour, was the result of two goals from Dave and good goal-keeping by Phil. In the second half goals by Simon, Chris and two by Per led to a final score of 6-4. Later in the union bar we discovered we were the only IC Hockey team to win!

BADMINTON

Good partners

Ladies vs LSE 10.10.84. LSE cancelled; probably through fear of a revived IC ladies team. Therefore a 9-0 win (in theory). Mens 2 vs St G 10.10.84.

A tough away draw for the start of the season which we were unlucky to lose 5-4. We still have high hopes of retaining supremacy of this division (winners 83/84) P Milne, C Bean, S Cowperthwaite, R Shih, A McAleer, A Martirossian (Capt!!).

Ladies vs Guys 13.10.84

An enthusiatic performance marred only by the fact that the opposition failed to turn up. Thanks to: Susanne Best, Julie Goodeve, Helen Gregory, Claire Mills, Sandra Rofé and Susan Yates.

Mens Ist vs Kings 13.10.84

The Men's Ist Team started with a 'bang' this season by annihilating King's 7-2. Initial Signs of several good partnerships looks well for the rest of the season.

Team: Michael Bradley (Capt), Ranjit John, M Chan, L Wong, Chris Gaukroger, Ara Martirossian.

ORIENTEERING

Hainault

Twelve orienteers, old and new, made it to the GLC Champs at Hainault Forest last Sunday. Although having navigated safely to the area (and later finding the optimum route to the Pub!) certain difficulties were experienced in the Forest.

Eppington and Shoreman, though producing competent runs, failed to become GLC Champions in their respective age classes. Newcomers Ian Searle was noted exploring the parts of the Forest that other orienteers didn't reach, and I was nearly beaten to the first control by a lady walking her dog!

Does any of this make sense? Come along to the Friday lunchtime meetings in the Union upper lounge to find out more about 'the thought sport'.

RUGBY

IC 2nd XV 13 - UCL 2nd XV 8 IC Seconds produced the best performance of the season so far to defeat UCL, last Wednesday. Despite some early impressive rucking by a particularly skillful UCL pack it was IC that opened the scoring with a try (UNCONVERTED) by winger, D Kelly (Capt). The try arose as a result of some quick handling by W Chapman and C Cole which allowed the intruding full back M Hassle to make some impressive running before finally passing to the winger. However having opened the scoring IC spent the remainder of the first half and early stages of the second half successfully defending their goalline till the UCL winger scored a fine try in the corner. This try sparked off what must have been the best handling move of the game, the end result of which was a try for O Miles. UCL immediately replied with an unconverted try before the game was finally sealed with a successful penalty from the boot of M Hassle. Fine performances by all the freshers, especially J Ager (Stand-off) and R Ladd (Hooker) who put up a brave performance despite playing out of position.

IC RADIO

Friday 19: 08.00 to 09.15, Chris Ames Breakfast Show Sunday 21: 12.00 to 14.00, Alan Barnett Monday 22: 21.00 to 23.00, Raj Singh with Radio Spares Tuesday 23 21.00 to 23.00, Aids 'Virgin' Dye Wednesday 24 21.00 to 23.00, James' Rock Show Thursday 25 20.00 to 21.00, 'Zandore' Part 4

BEER 'N' BANGERS

—at 170 Queensgate— 6.00pm Tuesday 30 October

A chance to meet the Rector and Lady Flowers informally, as well as other students. Free beer and sausages provided.

> Names to the Union Office before 24.10.84



ENGINEERS -PHYSICISTS AND MATHEMATICIANS

GET A JOB!

CHRIS GARTON (IC 80-83)

CAREER OPPORTUNITIES

-- WITH --

FREE BEER AND SANDWICHES
SHERFIELD BUILD'G ANTE ROOM

MONDAY OCT. 22ND. AT 6 PM. PART II

Money off your rent

Last week we saw how to claim Housing Benefit during term time. In this issue the appeals procedure is explained, for those who feel that the local authority have made an unfair decision.

Appeals

If you are unhappy with any decision made by the local authority you have the right to appeal. There are a number of stages in this procedure.

- 1 Local authority (LA) inform you of their initial decision. You have a right to ask for a written breakdown of how your benefit has been assessed. When you receive this breakdown it is probably wise to check the figures with Students Services.
- 2 If you are not happy with tis assessment you have six weeks to write to the LA asking them to look again at your case giving your reasons why you think their assessment is incorrect. They will inform you in writing of the result of this review.
- 3 If you are still not satisfied you have 28 days in which to ask for your case to go before a review board. This is a fairly informal hearing when the LA and yourself put your case before three councillors who them make a decision. Student Services can arrange representation for you at a review board hearing so don't be worried about pushing your case forward it's not nearly as threatening as it's made to sound.
- 4 Finally, if you wish to take the matter still further you can appeal to the courts.

Don't be afraid to push for a review of your case as there are still a disconcerting number of errors being made in initial assessments. Student claims are extremely complex to calculate and therefore some mistakes and delays are bound to occur but you are entitled to these monies so don't allow yourself to be defeated by Town Hall bureaucracies.

Warning to Overseas Students

Applying for rent and rate rebates is considered to be recourse to public funds and is therefore in contravention of your conditions of stay in this country. Although applications are not frequently checked you could be in serious trouble with the Home Office if it was discovered that you had made an application.

Conclusion

The 'Unified Housing Benefit' system has now been in operation for just over 1 year. At its outset it was intended to unify and simplify the dual systems then operated by Local Housing Authorities and the DHSS. In reality

it has created yet more confusion and financial hardship for those least able to carry the burden. The whole situation has been further aggravated by the introduction of more amendments to the scheme in both April and November of this year, and by severe staff shortages in many housing benefit departments. Consequently although all the details in this article are, to the best of my knowledge, correct at the time of going to press, students may find themselves subject to contradicatory advice from individual officers at local Town Halls. If you are unsure about anything you have been told make sure you check it out with Student Services or you could end up losing

Chasing up unpaid benefits — If you want to check up on the progress of your claim you can ring the relevant Housing Benefit department (visits to the departments in many boroughs are simply time consuming and pointless). When you are finally connected, you will not usually be talking to the person who is actually dealing with your claim so it is pointless venting your frustration on them. However if you are not satisfied with the answers you receive, you

can ask to speak to the actual assessment officer dealing with your case although they are frequently 'not available'. If you live in Kensington & Chelsea, Hammersmith or Wandsworth you can expect to hear something within about two months of submitting your claim but in parts of Fulham, Westminster and Lambeth the await is more likely to be around six to nine months so don't bother ringing too soon or too often as it simply clogs up the switchboards and delays claims even longer. Student's are still automatically given a very low priority in most boroughs but if your are experiencing particularly severe financial problems egyou are a student without a grant or you are facing landlord problems through nonpayment of rent then make these facts known to your assessment officer and most will try to be sympathetic. If you are unhappy with the way in which your case has been dealt with you can write to the Chairman of the Housing Committee in your borough and complain to your MP (this is quite a useful exercise since many MPs are still blissfully unaware of the hardships the Housing Benefit scheme is causing). However before aggravating your local authority too much it is wise to seek help over any difficulties from Student Services as we are happy to contact authorities on your behalf and may be able to help peacefully resolve any conflicts.

The numbers for the main authorities around the College are given below:

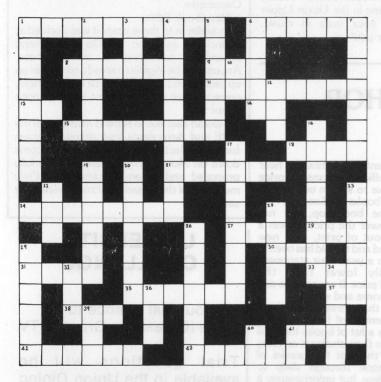
Hammersmith & Fulham 7748 3020 Kensington & Chelsea 937 5464 Lambeth 274 7722 Wandsworth 871 1255 Westminister 828 8070



Tinker

However much this looks like a crossword it is in fact a puzzle. A £5 cheque to the person with the most correct solution next fortnight.

GRADE FOUR



To solve last fortnight's puzzle put 65 volts across the circuit. Then each resistor in the network represents a square in the

The height and width of the squares are the voltage and current respectively through/across the resistors. We must of course set all resistor values to one ohm to ensure that each square is square. Using Kirchoff's laws we find the dimensions of the squares to be 25, 24, 23, 22 19, 17,11, 6, 5, 3.

An alternative circuit is produced by turning the rectangle

through a right angle and reconstructing the network.

Congratulations to Neil Redman of Physics III who may collect his £5 cheque after 1.30pm from the Felix office on Monday.

My consolations go to Peter Ruffhead of computing who was the only other person to solve the puzzle correctly. On the right is the solution to the Crossword of Monday 1 October. The winner is Simon Myers, Maths 2, who can collect his £5 on Monday.

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PHOTOSOC

Anyone out there?

Whatever happened to all the people who signed our mailing list at Freshers Fair? We had over 270 names, and yet only 50 people have bothered to join so far. This is just not good enough, so if there are any Felix readers out there who would like to join, (it costs £1.50 this year) they should come to one of our regular committee meetings on Friday lunchtimes in Southside Lounge, or to any of the events mentioned below.

Next week we will be arranging some B & W darkroom demonstrations. Anyone wishing to attend one of these (you don't need to be a member to do so) should sign their name on the list on the photosoc noticeboard (which is by the Gents Lavatory at the bottom of the stairs in the union building).

Also, we will be having a slide show on Tuesday 23 October in Min Res Eng 303, at 6.00pm. This will include photographs by Lee Mason and John Claridge. (Who?).

ANTI-APARTHEID

Career Decisions

October 31 sees the arrival of another Careers Fair. The choice of a future career is an important one, and difficult decisions have to be made which balance many factors.

On Thursday 25 October at 12.45 in Huxley 139 Kate Clarke from the Anti-Apartheid Movement will be speaking on: 'A Career in South Africa? — The Consequences'. Everyone is welcome to come along, listen and join in the discussion after her talk.

LIBERAL CLUB

By now, things have settled down at college, grant cheques have been paid to many of you, and no doubt you're all having a good time. To hell with the GLC, nuclear weapons, unemployment, the NHS, NUS, overseas students. IC is tending to its apathetic norm. (Who's Norm anyway?) over the past few years, a flourishing Liberal Club has presented these issues to you. If you want to participate in this years' Liberal Club, come to the Brown Committee Room, in the Union building at 8.30pm on Monday 22 October, for refreshments and chat.

SCC MEETING

Elections for Chairman and HST of SCC will be held at the full meeting this Monday (22), Union Senior Common Room, starting 6.00pm; be prompt. All club senior student representatives should attend, as otherwise their grants will be frozen. Club finance, SCC property and posts will be discussed. Champagne cocktails at 5.55pm (subject to availability).

AUDIOSOC

Discount Music

Audio Society will make you happy in two ways, even if you're not interested in hi-fi.

First, you can buy records and cassettes at discount prices through us, and then you can discover how to enjoy the music from your records even more.

The club has just bought a high quality record playing system, so come along to the Union Upper Lounge at 7.00pm every Tuesday — and lunchtimes Tuesdays and Thursdays — and hear our system or that of a manufacturer of good hi-fi.

Order your discount records any Tuesday or Thursday lunchtime in the Union Upper Lounge. Whatever your taste in music, Audiosoc is good for you!

BOOKSHOP NEWS

One of the comments I continually hear whilst sitting in my office concerns the price of books. I would like to inform one and all that the price of books is fixed by the publishers. We, the bookshop, are not allowed to up or lower the price, unless a book is damaged, out of print, or a new edition is being issued and the old has been in stock for more than a year. Our stationery items are usually lower than the recommended retail price. If anyone has any comments, please come and see me.

Even after more than three years, there are still a small number of lecturers who either do not give us a list of books they will be recommending to their students or bring me the list during the first two weeks of Term. We do phone through daily to overcome this problem, but unfortunately it remains with us.

Your IC Diaries are in stock at £2.05. General diaries 1985 will be out within the next few days.

I apologise for the apparent chaos in the shop. But over the years, the number of books has increased while the size of the shop has not. Hopefully we will get a bigger and better shop. So spread the word. We need it.

Pewter tankards and flasks are available from the Bookshop at various prices. Personal engraving is available at a cost of 0.20p per letter.

For the first month of Term, new titles will be placed in the window, so watch for some rather spectacular titles in the next few weeks. Don't forget we don't only sell academic titles. I will be doing a weekly column listing the titles both Hardback and Panerback.

SPORTSHOP By the time you read this, we will have the new stock of sweatshirts, T-shirts, tracksuits, Rugby shorts and shirts. Don't forget if you require special printing on any of our items, I can arrange minimum order 25.

Derbyshire dithers

Just a paragraph or so to remind everybody of the forthcoming elections.

Papers for all these posts go up on 23 October and come down on 1 November, the papers will be situated on the Union Notice Board just inside the main entrance to the building.

Two first year ordinary members of Council.

Rag Chairman.

Two ordinary members of Academic Affairs Committee

Secretary to Academic Affairs Committee Two ordinary members of Imperial College Community Action Group

Two ordinary members of Union Finance Committee

Handbook Editor.

In addition to these posts it was decided at council to pass an INCOST organising committee consisting of six members. Anyone will be eligible to stand and papers go up and down at the same time as the others, come and see me if you want to know more about it.

I would also like to remind members of the MRE and Aero depts that although papers for these elections were supposed to come down on Monday night there were no fully proposed and seconded candidates. Only members of the department may propose or second.

UNIVERSITY CHALLENGE

Your last chance to be in the IC Team on Granada TV

Trial questions will be available in the Union Dining Hall at 1.00pm today, Friday.

CAPITAL RADIO Freshers' Hop '84

with Gary Crowley, David Jenson and Richard Allinson

Thursday 25 October 8pm to 1am Lyceum Strand, WC2

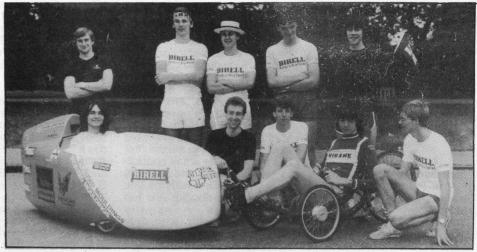
Tickets £2.50 from Union Office, prize draw on the night (weekend for two in Paris, donated by STA.

C & G HPV

Pedalling for profit

Would you like to help vindicate the name of IC as one of the top engineering colleges in Britain today or, alternatively, expose it for what is is? well here's your chance. C & G HPV (Human Powered Vehicle) Club is the one for you and open to all. This invitation is open to all those ranging from the educationally subnormal with a ven for bagof-bolt engineering (we built and race phenomenally Heath -Robinson pedal cars at various charity events) to those cativated by the thrill of racing posey, high speed, finely tuned velocipedes (our old vehicles, the Burrows Windcheetah SL, has done wellover 60mph down hill and about 45mph on the flat for a mile or so) We still race in national HPV competitions and a flash spanking new, faring is nearly completed. We have a long term objective of building a somewhat revolutionary HPV to put the willies up the best of our opponents, as well as a weather eye looking to pull a few of the more lucrative cash prizes around (Does a cut in \$10,000 tempt you?).

For those wishing to engage with such



Members of the City & Guilds Human Powered Vehicle Club

knotty cerebral teasers, we wish to fashion a new pedal car for the Bristol '85 pedal car rally, a paltry 24 hour say-hello-to Hades session.

So anyone not already caught by a terminal addiction to these mechanical abortions (All proudly displayed at the Freshers Fair) and possessed of a penchant for burning off Mercs and Porches under their own steam, should materialise in Southside Upper Lounge at 1.00pm on Wednesday. This minor concession to my will earns all willing victims a chance to test-drive the Windcheetah (and if you're also

suffering advanced senile dementia, a crack at the pedal cars too.) I will organise a trip down to Richmond the next week for the survivors. (It really helps if you have a bike). There is one minor penalty for such apparent generosity — I have to clear out the rather randomised pedal car room for which I require willing beasts of labour (see I hide nothing from you).

If, by any chance, you cannot attend at the appointed hour contact Piers Gaffney via the Chem 111 letter rack or leave a note in the HPV pigion hole in the C & G union office.

CHRISTIAN

Retreat to Allington

The Christian Union pre-term house party last month took place amid the medieval splendour of Allington Castle, near Maidstone in Kent. It began on the afternoon of Tuesday 25 September and ended after lunch on the following Friday.

Those of us who travelled by train found that the 'short' walk from the station to the castle took at least an hour, and some of the motorists also found that their transport didn't quite take them to the front door—a Beetle with broken suspension was beyond repair. We were pleased to find however, that we were well looked after by the Carmelite friars (no connection with KP) who have been running Allington Castle as a retreat and conference centre for Christian groups for several decades.

There has been an increasing degree of cooperation between the various Christian groups in College over the past year, and this trend was continued by the presence of several members of the West London Chaplaincy, Cathsoc and by the whole Chaplaincy conference joining the CU for worship on Friday morning. The rest of the time was spent in worship and in prayer, particularly to ask for God's help and guidance in running the Christian Union during the coming year.

We also had the pleasure of the company of John Irving of Holy Trinity, Brompton who led an enlightening and interesting study of 2 Timothy. There was, of course, usual smattering of John's famous anecdotes.

A good time was had by everyone and I feel sure we would all agree that the conference was an ideal way to start the term.

DEBATING

Nuclear Power

What will nuclear power do for us in the long term? There are those who say it will release us from a dependence on fossil fuels, and, with proper waste management, give us a pollution free power supply. Also, with the advent of fusion power, we will gain an almost limitless source of energy. Others believe that leaks of radiation and reactor accidents will create the worst ecological disaster man has ever inflicted upon himself, and that the security required during transport of radioactive materials will seriously erode our freedoms.

On Tuesday 23 October representatives from both sides, Dr Llewdy from the UK Atomic Energy Authority and George Pritchard, Campaigner for Greenpeace will debate the nuclear issue. The motion will be 'This House supports the Continued Use and Development of nuclear power'.

If you have strong views on Nuclear Power, or would like any questions answered, or are just interested to hear the two sides clashing, come along to Chem Eng Lecture Theatre two at 1.00pm on Tuesday, and find out what its really about.

WARGAMES

Hack and slay!

There will be a General meeting of Imperial College Wargames Club on Wednesday 24 October at 1.00pm in the Union SCR. Informal elections for various posts (transport, treasure trap, role-playing and board games officers) will be held. The meeting will also decide on which games the club's funds will be spent (This is the time to get the club to pay for that expensive system!) and whether trips to treasurer trap will be subsidized. There may also be a motion to change the club's name from 'Wargames' to one which reflects the club's wide ranging interests. Suggestions would be appreciated.

Thank you for the enthusiastic response at the 'Freshers Fair'. Hopefully many of the people who put their names down will develop their interests and come along to at least one of our weekly meetings (Wed and Sun 1.00pm Union SCR) and see what really happens.

Finally; a discount of 10% has been arranged at Games People Play in Notting Hill Gate, and a similar reduction is available at Games Workshop in Ravens Court part with special photocard.

BOOKS

Age of Reason

"...accessory of the day: a copy of Jean-Paul Sartre's 'Age of Reason', worn in the back pocket."

('The Face', October '84, on David Bowie's next video.)

BOOKS TO BE SEEN: ART, FASHION, AND CUNNING

The trick is, of course, to make people like you from a distance. Displaying the right attitudes is more important than believing in them. The smug corner of the bar may be the den of spiky, blackleather, trainee psychopaths, but we know that people who ARE 'living on the edge' dribble, and wear top hats made out of baked-beans tins. The man who reads Germaine Greer on his way to work may indeed care about equality, but there again, his motto might be KNOW YOUR ENEMY. Sincerity went out with student politics and blue jeans, so get the martini, practise your sneer, and welcome to the Age of Reason...

Mathieu is a right bastard, and therefore one of us. Having made his mistress pregnant, he has to think of a (fairly) decent way of avoiding his responsibilities. He is an Existentialist, you see. If you don't see read 'Existentialism and Humanism,' also by Sartre. Good word, isn't it? His friend Daniel, a (fairly) repressed homosexual, thinks it would be really funny to get Mathieu into a nasty marriage. Meanwhile, Mathieu fancies the eighteen-year-old sister of one of his students (yes, he's a lecturer. Didn't you guess?). She, in turn, despises Mathieu, except when he sticks a knife into his hand just to show how easy it is. All this and World War two, too. 'The Age of Reason' is the first part of the 'Roads to Freedom' trilogy. The time-span of the entire book is just three days, giving plenty of scope for the main characters' careful analysis of their own navels. Vanity is cool. The other parts: 'The Reprieve' and 'Iron in the Soul' chart the coming of war and the fall of France, using same crew of navel

specialists. Dallas bites the dirt.

All of this hints at some ground - rules for what can be used as fashions and what cannot. First not many people, in publishing terms, should be reading it at the moment. Exclusivity is the first condition. It is important, though, that enough will be sold so that it will be available in paperback. This means that the book will be small enough to carry around, and perhaps fit in your pocket with the title showing. Hardbacks are too ostentatious - usually bought by people who only read a little and for the wrong reasons - and don't get battered so easily to show that you have read the book more than once. (Lit-lore: a good book will only be fully understood after the third reading).

Some kind of philosophy helps, as long as it is in the background. Sartre cannot resist putting in some really obvious symbolic Act on every third page. This means that even if the story bores you, the whole thing can be treated as a kind of crossword. Again exercise discretion. We are now getting into A-Level Eng Lit territory, and the only way to approach art is as a gifted amateur. Never in order to please some pompous fool who got a PhD by quantifying. You know the sort of thing: fifty points for a sub-plot, ten for an allusion.

Naturally, there must be sex in the book. The key word here is 'natural'. If you force the pace, then you've blown it. Stand up Shirley Conran, and take a bow. In 'Lace' (awful book - I borrowed it from my Aunt) she put the phrase 'he was the Nijinsky of cun-nilingus' in a serious context. For this she ought to have her head banged between two typewriters. But then there are other books which would make you look even more of a fool. READ, MEMORISE AND DESTROY Alex Comfort's 'The Joy of Sex' and our very own '...but were afraid to ask. On the shelf they are about as cool as a provisional driving licence. And anyway, didn't your Mother ever tell you that reading under the bed-clothes by torchlight will ruin your eyes? Low-life is the key, and the lower the better. Anything by Henry Miller ought to fit the bill. Also check out William he's not so Golding obvious, but can get very, very nasty when you think it over. 'The Spire' and 'Rites of and 'Rites of

Passage' qualify with ease.
The Book Of The Film is right out of all this. TV spin-

offs even more so. Shame about 'Brideshead revisited', but we must be firm, because details count. There are exceptions, though. Everyone knows that the film 'Apocalypse Now' was based on Joseph Conrad's 'Heart of Darkness', albeit brought forward by about one hundred years. But did you see the books on Colonel Kurtz's 'From Ritual to disk? Romance' by Jessie L Weston. and 'The Golden Bough' by J G Frazer (for it is they) are both referred to by TS Eliot as sources for his poem 'The Waste Land'. And guess what — the facsimile editions show a quotation from 'Heart of Darkness' as an epigraph. All very tenuous I know, but you must admit that it would sound impressive, if only you could keep the smirk off your face. So all of these books are safe to carry. Of course, as with music, clothes, and dangerous sports, it is best to have seen it, done it, been there, got bored with it just in time for the thing to get popular.

The uses of literacy: If you hang around the Royal School of Mines for long enough, you will find someone trying to loan you a copy of the very

arty and very controversial 'The White Hote!' by D M Thomas. This can work in a subtle way. Having lured his victim into conversation (and we ARE talking war, here) the gentleman in question casually asks what Victim thinks of D M Thomas.

Victim: Dylan Thomas? Yes he's good. Rage, rage against the dying of the light. Moving. John(with a forgiving smile): Ah. No, not DM Thomas. Easy mistake to make. I've just read 'The White Hotel' and I think he is a genius, original... witty...a major contribution to road safety etc...

Victim: Really? I must read some

Well, you can work the rest out. John presents Victim with the book, complete with gee-whizz jacket blurb by assorted wunderkind and the man from the TLS. Next time they meet, Victim will find a straight — faced John cooly discussing experimental pornography, touché. And what is more, she can't use the standard reply 'sod off you dirty old man', because she would then feel like a philistime. John says his success rate is better than eight out of ten.

John is a right bastard, and therefore one of us.

SINGLES



Hall & Oates: Out of Touch

Anyone vaguely interested in music cannot have failed to notice the impact club/disco/funk/soul discs are having on the British Charts. Seems like Daryl & John have just caught on to this, and decided to cash in. As a soul record this is not outstanding, as a Hall & Oates record it is disappointing. Give up on it fellas. Go back to what you're good at.

Johnny Spencer & The Remnants Of The Once Proud Pastafont Bred Barmy Ensemble: The Strike Song

I don't believe this. I think lan McGregor must have brought it out. Could put you off supporting the Miners for life. I'd rather listen to rice crispies!

Meatloaf: Modern Girl

Trying to recreate the brilliance of 'Bat out of Hell' type classics, Meatloaf has gone back to a Jim Stainman style of production, although

not back to the man himself. Despite shades of 'Paradise By the Dashboard Light', this is the best thing for a long time from this colossus of rock.

Charlene: We're Both In Love With You

Ever since 'Never been to me', I've hated just about everything from Charlene. She is so pretentiously American and can make the roughest song in the world sound like a bowl of warm golden syrup. On this one the tune is great, the lyrics equally as good. Charlene is ugh!

Kenny Rogers, Kim Carnes, James Ingram: What About Me

There seems to be a trend in the US to put lots of megastars together, spend lots of money on fancy production, and then to release a trash single like this. Surely, experienced singers like these must know how awful this is. Maybe they don't care.

Friday 19

- •ICCND 12.45pm JCR, Sherfield. CND Bookstall. Come and buy your badges, posters, stickers, tshirts, books, etc.
- ●YACHT CLUB 12.45pm, Southside Upper Lounge Meeting. Your chance to sail a £30,000 yacht for £20!
- ●ISLAMIC SOCIETY 1.00pm, Union Building (follow arrows). Congregational prayers.

Saturday 20

•UNICEF FLAG DAY, Unsoc.

Sunday 21

- •CHAPLAINCY 10.00am, Consort Gallery, Sherfield. Sunday Service organised by West London Chaplaincy.
- ●MASS 11.30am and 6.00pm, More House, 53 Cromwell Road, opposite Natural History. Mass, bar supper and talk.
- ●TAIZE EVENING 7.30pm, More House, 53 Cromwell Road. Come and taste the beauty of Taizé Music.

Monday 22

- •ICCAG 12.30pm, ICCAG Office, top of Union Building, Lunchtime meeting with 'Pay as you Eat' lunch.
- •THIRD WORLD FIRST 12.30pm, Elec Eng 403A. A joint meeting with Christian Union with a speaker from Christian Aid.
- ●HANGGLIDING 12.30pm, Southside Upper Lounge. Club meeting.
- WATERSKIING 12.30pm,
 Southside Upper Lounge. Come along to sign up for Wednesday and Saturday trips.
- •DANCE CLUB 6.30pm (jazz, funk and disco) and 7.30pm (Advanced Ballroom, latin), JCR Sherfield. £0.75p each lesson.

Tuesday 23

- •MASS 12.30pm, Chemistry 231. Cathsoc Mass and lunch.
- •AUDIO SOC 12.30pm, Union Upper Lounge. Discount record club meeting. Buy records, cassette, videos etc at trade prices.
- •SDP DISCUSSION 12.45pm, Elec Eng 403A. Defence and nuclear weapons.

- •DEBATE 1.00pm, Chem Eng LT2. Nuclear power: UK Atomic Energy Authority and Greenpeace. Entry: members free, non-members 50p.
- •STOIC 1.00pm and 6.00pm, JCR (lunchtime), Southside and all Hall TV sets. Hilarious interview with Michael Palin.
- •WIST 6.00pm, Southside Upper Lounge. Ice skating trip to Queen's rink. Meet 6.00pm to leave at 6.30pm. About £2 including boots.
- •WINE TASTING 6.00pm, Senior Common Room, Union. German Wine. Delight your palate with these high quality white wines from the length and breadth of Germany.
- •PHOTOSOC 6.15pm, RSM Room B303. An exhibition of slides from two of Britain's top sports and lanuscape photographers with taped commentary.
- •JUDO PRACTICE 6.30pm Union Gym. 50p.
- •AUDIO SOC 7.00pm Union Upper Lounge. Come and hear a brand new British turntable, and meet its designer.
- OPSOC 7.00pm (not 7.30pm), Music Room, 53 Princes Gate. Auditions for February show 'The Grand Duke' by Gilbert & Sullivan.
- ◆DANCE CLUB 7.00pm (beginners ballroom/latin) and 8.00pm (intermediate ballroom/latin). 50p per lesson.

Wednesday 24

- •INDUSTRIAL SOC visit to Shell Gas Terminal, Bacton. Contact William Chan, ME 2 for further details.
- •UNSOC FILMS 12.30pm, Huxley 340. British Troops speak of their experiences in Northern Ireland.
- •ICCAG 12.45pm, meet ICCAG Office. Visiting patients in St Pancras Hospital.
- •CND VIDEO 1.00pm, Huxley 130. Video of the Government film 'The Peace Game'. A film that 'lies, distorts, exaggerates and omits'.
- •WARGAMES 1.00pm, Senior Common Room, Union Building. Hack and Slay meeting.
- ●DANCE CLUB 7.00pm (beginners ballroom/latin) see Tuesday for details.
- •ICCND FILM 7.30pm, Mech Eng 220. 'Merry Christmas Mr Lawrence' starring David Bowie and Tom Conti as prisoners in a Japanese PoW Camp. Members 20p, non-members 50p.

Thursday 25

- ●YHA 'Butties' 12.30pm, Southside Upper Lounge. Weekly meeting with information on this term's coming events. All interested are welcome.
- METHSOC 12.30pm, Chem Eng E400. Lunch available. Informal meeting.
- •AUDIO SOC 12.30pm, Union Upper Lounge. Buy records, cassettes, videos at trade prices.
- •BALLOON CLUB 12.45pm, Southside Upper Lounge. Regular meeting.
- •ANTI-APARTHEID 12.45pm, Huxley 139. Speaker meeting: 'A career in South Africa?'.
- •CND, 1.00pm, Southside Upper Lounge. General meeting to discuss events and policy.
- •STOIC 1.00pm and 6.00pm. Newsbreak. For reception details see Tuesday.
- •COMMEM DAY 2.30pm, Royal Albert Hall. Doors open at 1.30pm, guests to be seated by 2.15pm. Present students will be admitted, on production of their Union Card, at Door.
- •ICCAG 9.15pm meet Weeks Hall. Taking soup, biscuits etc and meeting some of London's homeless.

THE LOUNGE (BRING YOUR DANGING SHOES!)

Saturday Union Building 9.00pm to 2.00am

Three to six people required on Wed
14 November

Free lunch at 12.30pm then be guinea pigs in mock interviews finish by 4.30pm

Preferably final year Guilds students (but may not have to be so).

Please see Jen in Union Office.

Wednesday 14 November.

mock interviews finish by 4.30pm.

Potty Time at Wellsoc



Ex-Goon Michael Bentine surfaced at Wellsoc's second event on Tuesday. Citing Nazi mind-control, palmistry and childhood encounters, he exhorted members to consider his unusual obsession with the paranormal.

Despite his serious subject he did his Potty voices and found time to plug his books.

Professor Eric Laithwaite was in the Chair.

Boolery

If the first meeting of the Union Council on Monday is anything to go by this year's Union Officers are a remarkably reticent lot. Council is responsible for the management of the Union, but unfortunately many of its members seem to take the attitude 'let's get it over with as quickly as possible'. And of course asking any awkward questions about how the sabbaticals are doing their jobs increases the length of time before the reluctant hacks can return to the bar/their problem sheets - hence very few tend to get asked. In fact, if it weren't for a small group of such egotistical self-publicists as Jo 'Hippo' Claybrain, Hugh Southey, J Martin Taylor and Mike Stuart then there wouldn't be much point in holding meetings at all. So to the other thirty-odd members of Council - you weren't elected to keep your mouths shut, there must be some things you or those you represent aren't happy about in the Union.

Woolery

Many people may not be aware how much the College depends on 'borrowed' supermarket trolleys to transport supplies around the campus. FELIX is particularly vulnerable in this respect - an unexpected trolleyraid on Thursday evening would make it virtually impossible to distribute copies around College. Fortunately Waitrose chose Monday this week for their lastest visit. A search revealed no less than three Waitrose trolleys on the premises, two of which they removed empty. The third was full of paper which FELIX staff protested they had no-where else to put. Just to demonstrate that they're not as ruthless as they're made out to be the Waitrose men retreated without the full trolley, only to return in half an hour with a Sainsbury's trolley they had 'borrowed' from their rivals. They then proceeded to transfer the paper from their trolley into the Sainsburys one, after which they left with their now empty trolley.

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Final years students are invited to apply. For further information please contact the Careers Advisory Service or meet us at the Careers Fair.

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