



Founded in 1949

The Newspaper of Imperial College Union

Aaronovitch ill-IC 'isolated'

Jez and Bo romp home

Last Sunday, Bo and Jez took part in the annual London-Brighton veteran car run, both completing the hundred mile round trip with no major mechanical mishaps.

Boanerges, so-called after the sons of thunder, is registered with the Veteran Car Club of Great Britain as a 1904 James and Brown tonneau. She was sent on her way from Hyde Park at 8:00am by some hundred C&G supporters (several still clad in their pyjamas) who then followed their motorised mascot in two coaches.

The RCS, unable to compete with such a degree of organisation, had a rather lower turn-out of ten, mostly because, in a flurry of efficiency they had told everyone to meet at the RCS Office shortly after Jez had left. As Jez is not officially eligible for the run, being a post-1965 fire-engine rather than a pre-1904 car, she joined the convoy outside Hyde Park and attracted a great many cheers from the enthusiastic crowds that lined the fifty-three mile route.

On arriving in Brighton, the participants divided their time between various pubs and amusements parks—notably the dodgems.

Clem, the RSM lorry, continued a long tradition by not taking part, primarily because she is still in Airfix-kit form in three large cardboard boxes somewhere near Aldershot. The official reason for this is that the RSM do not have a garage in IC; however, they also admitted that they have most carelessly lost the engine.

Piggy in the middle

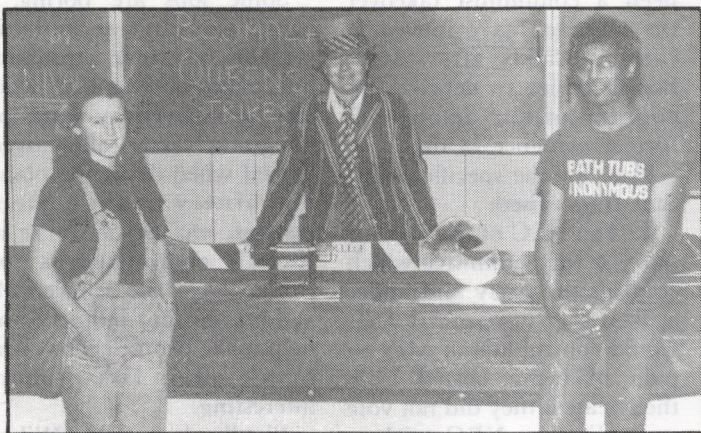


Photo Mike Jones

The Guilds Election UGM was held on Tuesday, November 3. Dave Forshaw, DoC 3 and Suzanne Hartley, Acro 2 were ratified as Vice President and HJT respectively and Neil Bhattacharya, Civ Eng 1, was elected as Publicity Officer.

The highlights of the UGM were the President's attempts at press-ups with the Guilds mascot, Spanner, on his back and the VP displaying his remarkable lack of singing voice. The meeting was then adjourned to the Queens.

The NUS representative who eventually arrived in Huxley 213 last Wednesday to speak on the NUS turned out to be Andy Permain, Vice-President Education for NUS. Apologising for Dave Aaronovitch's absence, Steve Goulder, Chairman, explained that this was due to Dave having bronchitis.

Andy (having apologised for his late arrival) proceeded to give a rough outline of what NUS was all about. He explained that NUS was unique, both on a national and international level, in being independent of political parties: the two main functions of NUS being advice to students and national representation of students to establishments such as the government, trade unions, education authorities and the media. Expanding on this he spoke on the three present major concerns of NUS, these being cuts, grants and unemployment.

Mr Permain's argument for IC Union's reaffiliation to NUS was to break down the 'sense of isolation' from other unions, other sectors of further education and national representation and to enable the sharing of ideas and problems with other unions and levels of education.

On asking the floor for questions, queries were raised as to

the cost of affiliation, which was estimated to be around £20,000; and also as to what benefit IC societies could receive from NUS. This was answered as advice on the running of social activities drawn from the experience of other unions.

The point of bad representation of student opinions at national conferences due to the majority of delegates sent from other colleges not being elected was raised and Andy agreed that moves should be made for greater participation in conferences and recommendations made for the election of delegates.

Nick Morton, President of IC Union, asked if Mr Permain would accept that most of the NUS executive had started out communist and moved left, and received in reply that it was misleading to transpose national politics onto student organisations.

In all a lively debate was held; Andy finished on the question of how the NUS had changed in the last four years. He said he thought it more constructive and positive, not just destructive and negative.

It is hoped that Dave Aaronovitch will be able to attend the IC UGM on Tuesday, November 10, in the Great Hall.



A. Rushton (esq.) helping to collect the £646 Guilds made on last Saturday's 'silly sports' Rag collection. Photo Jane Williams



Dear Sir

1. The decision that Guilds would not sell the Rag Mag was taken by General Committee.

2. The jokes concerning Deptford fire, the Moorgate tube disaster, the death of Johnny Owen, the victims of the Yorkshire Ripper and purely racist jokes caused much concern.

3. I resent the implication in Mr Y's letter that he knows more about the scandal and intrigue of Guilds than we do.

4. Mr Y is shorter than Mr X.

5. Jokes about the disabled abound in the Rag Mag.

6. 1981 is the International Year of the Disabled.

7. I appreciate that letters full of inaccuracy and insult make good reading, but I don't write them. Ones that make good reading that is.

Yours

Andrew Rushton

PS: Sorry this is so serious folks.

To Scientists

Over the past few weeks there has been a lot of activity by CND. But what is the chance of success of such movements? Politicians have taken little notice of public opinion in the past and they are not likely to now: the 2×10^5 people at the CND rally in London is still a big way from representing the opinion of the majority of people in this country (cf 2.5×10^6 when the Pope was in Ireland and the population of Ireland is only 3.4×10^6). Those in power will only take notice

when their position of power is threatened (eg Magna Carta).

However the politicians would not be able to do harm to anyone if they did not receive the support of scientists (i.e. scientists make the weapons of war). So it is time that the scientists of the whole world remove the teeth of their political 'masters'.

In the past there has been quite active support for anti-apartheid at this College and there was some success at discouraging those who were intending to take jobs in and associated with South Africa. Should not the same now be done to those intending to take MoD posts, and any company that does work for the government of a 'defence' nature.

Of course this is only a start to obtaining disarmament and much more activity nationwide and worldwide is required. This could possibly take the form of one hour, one day, one week, strikes by scientists who have been working on 'defence' systems and have decided something must be done to stop the power-lust of politicians. By starting off with token strikes one could assess the support throughout the world before attempting to have a complete dissociation from all beligerent work.

Time is running out and it will be a long time before organisations like CND will represent a large enough proportion of the population to have any influence on politicians so scientists must act now. You don't have to support CND, be a communist, vegetarian, meditator, Christian or member of any minority group. You don't even have to be interested in the welfare of other human beings, just self-preservation will do.

M. Lawlor
Physics

Dear Mark

Having read the "Alternative View of Industrial Society", I feel moved to reply.

The second part of N. Wilson's article I agree with. Industry is considered boring

and in the UK much of it is. But this is half the problem. It is not dynamic, it is not going anywhere, other countries overtake us and consequently, we are in a mess. This may not inspire many people, but without industry we would all live in caves and walk to our berry trees in rags. An intellectually appealing job is great, but someone has to make the cash, and allow people like N. Wilson to come to university.

Finally, I am surprised that the Industrial Society is so controversial as to inspire anyone to write in complaining about it. Does this show we have succeeded in our aims?

Chief Propagandist

C. Wilshaw

Chem Eng 4

PS: I haven't got a job yet but am open to offers.

Dear Mark

Messrs Evans and Trotter in FELIX 594 appear to require some enlightening of my views concerning Tony Benn (formerly Viscount Stansgate) and his ultimate ambitions. That Benn wishes to set up a Soviet style state we have to deduce from the evidence; of course Benn has not said that he wishes to do this but the things that he has said he would do if he was to gain power forces me to this conclusion. And judging by what has happened in other countries where there has been a communist takeover the Russians have moved in rather quickly afterwards. Benn's desire to deprive this country of our defences is further evidence of this.

Now for the specific points that they raised:

1. The NEC of the Labour party is the committee which controls the party and under a Benn government this would control labour MPs on pain of being ousted from their seats if they did not vote according to NEC wishes. This committee would thus become the law making body in the land and not parliament. I trust that the analogy with the Politburo is clear.

2. The rules governing the police force and their activities are already very strict; this is evinced by the number of

successful prosecutions brought against offending police officers. It follows therefore that any further attempt (by Benn) to impose more restrictions on the police is designed to gain control of the force to use them for political purposes which they are not used for at present.

In conclusion I should point out that Messrs Evans and Trotter failed to mention that I showed that Benn's attitude towards the media and nationalisation also displays his desire for sovietisation.

Yours without personal abuse

Frank James

Dear Mark

This is just a short letter to answer some of the points raised by Mr N. Wilson in his article last week about IC Industrial Society.

IndSoc is not "well funded"—it draws a Union grant just like all the other clubs and societies and extra money is obtained from student subscriptions, etc.

Leaving aside the "industry is wonderful propaganda" which I find as asinine as everyone else, let's concentrate on what IndSoc actually does instead of what it says: it organises talks and visits to factories, gas rigs, etc., so that IC students can go and ask questions and draw their own conclusions as to how industry is run. PR men are avoided.

Some jobs are boring, I agree, (we can't all be brain surgeons or Lunar astronauts) but often boredom at work can be relieved by good job design—a factor often overlooked when designing plant, machinery, management systems, etc. So if you're as socially committed as you would have us believe, Mr Wilson, go into industry and help make people's jobs—and hence their lives—more interesting.

Finally, I urge Mr Wilson to pull his head out of his arse—he should try going without food, clothing, shelter and transport and he'll soon see how "dull" they are.

Yours sincerely

A. Miljkovic
Chem Eng 4

What a riot!

Mr Jonathan Rosenhead, from the British Society for Social Responsibility in Science, discussed the technology of riot control with the Socialist Society on Tuesday.

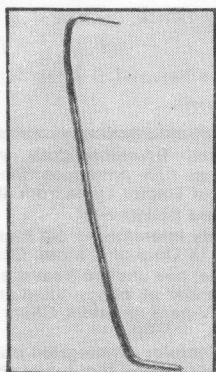
Initially, Mr Rosenhead talked about riots in Ulster, especially the use of rubber bullets by the security forces. A specimen at the meeting was "as hard as a cricket ball".

However, as time progressed, he claimed that its effectiveness decreased as protesters knew when it would be used. This fact, Mr Rosenhead said, allowed the Army to introduce plastic bullets, allegedly causing seven deaths so far this year. Condemning plastic bullets he humorously quoted one expert as saying "the ideal weapon would be marshmallows delivered by parachute".

Mr Rosenhead saw the government as gradually eroding civil liberties. He argued that it was essential for the security forces to be seen to be governing by consent. The reality, he said, was either that militants alone were wounded or that random injuries were inflicted on a crowd. The two hundred policemen of the Special Patrol Group, for example, were seen by the speaker as a riot squad in all but name.

Staple Diet

Claims that College meals are deficient in vital iron were disproved last Friday evening when Linstead resident Sue England found a 4 $\frac{1}{2}$ cm staple embedded in the surface of a pear at the hall evening meal. Having removed the object, Sue went on to eat the pear, part of the fresh



Actual size!

fruit dessert following a sickening main course of baked ham and chips. The pear was apparently tough skinned, but juicy.

Good start for Cypriot Soc

Following a passionate appeal in last week's FELIX for 'Cypriots to unite' a meeting took place in the Southside Refectory on Tuesday, November 2, to organise a society.

Although between twenty and thirty signatures were received, denoting these people's support for the formation of such a society. About fifteen turned up for their inaugural meeting.

The occasion was somewhat informal, in fact matters were discussed over lunch. Although they had not, as yet, formed a committee, it became very clear that there was no lack of leadership potential amongst them. Following in the tradition of Mediterranean emotionalism a very active and enthusiastic discussion took place in which all participated. Of the subjects discussed was firstly the need for a Cypriot society. They believed that although the Hellenic Society was very good it did not cater for the special needs of Cypriots with Armenian, Turkish, or English origins, and it is for these people that the society is primarily directed. The formation of a constitution was also given considerable debate and this debate was to be continued at their first general meeting.

After having observed them for about one hour one can only conclude that they are very enthusiastic about forming their society and indeed from the issues discussed they have a great deal to offer to the cultural life of the College, given a chance! And considering the somewhat muted activities of certain other societies one can only offer them whole-hearted support and encouragement in their sincere desires to form a useful and active society.

STOIC ask Aspel

Michael Aspel, the TV and radio presenter, was interviewed by STOIC on Wednesday. During the twenty-minute interview he talked of his career from leaving school and becoming a publisher's tea-boy to the present where he is a media 'commodity'.

The interview was the first to be recorded by STOIC since the 1979/80 session, and will be transmitted in about three weeks' time. Michael Rodd (*Tomorrow's World*), and Andrew Gardiner (formerly ITV) will also be interviewed by STOIC this year.

Laithwaite in spin again

In the case of the Establishment vs Professor Eric Laithwaite the professor seems to be winning hands down, on the evidence of Tuesday's lecture to the Astrosoc. He kept a large audience enthralled as he, in his own words "Put disturbing thoughts into their heads".

The lecture, more properly a demonstration, as lectures imply theory, which he regards as a necessary evil, was titled 'Gravity, Mass and Inertia', and centred around the so-far unexplained properties, an impressive array of which he had brought with him.

Being Professor of Heavy Electrical Engineering, he naturally compared these effects with his most famous brainchild, the linear induction motor. The results rendered an audience of scientists speechless—not the least of his achievements.



Professor Laithwaite's approach was informed, clear and frequently humorous. He cheerfully destroyed fundamental concepts with such statements as "The Vector product is only a highly suspect aide-mémoire," and in proving this he showed that his distrust of theory does not stem from any lack of ability in that direction on his part. He considers himself to be following in the footsteps of Faraday, whom he sees as the greatest scientist of all time, dismissing Einstein as "A crazy, mixed-up kid, who will be lucky if his name appears in a single physics book a hundred years from now".

Such statements do not seem so heretical when the laws of classical mechanics have just been found wanting before your eyes. However, his attitude that "the right answer never justifies incorrect means" has drawn criticism from some quarters ever since his controversial Christmas lectures, after which the press claimed "Laithwaite says Newton was wrong". He denies this; it is merely that Newton's laws of themselves do not explain such effects as apparent loss of weight and energy in flywheels.

It is said that a scientist is a man who can predict experimental results from established formulas, while a genius observes experimental behaviour and then derives the theory. Certainly, Newton and Faraday both worked on that principle, and Professor Laithwaite seems to be firmly on the same track.

EXEC VIEWS

Does anybody read this waffle? If so please take note of a small misconception some of you are under. I discovered this when compiling the results of the refectory questionnaire (more of that when I have all the data). Union income does **not** subsidise refectories and never has. Furthermore, any subsidy which did exist is being removed over the next couple of years as UGC (ultimately Treasury) money is taken out of refectories. This will not only happen here but in all universities and even at the Royal College of Art which many of you seem to use (with good reason). Just one more reason for a campaign against education cuts.

On the subject of the RCA, the Deputy President of their student union has written to me about the use of their refectory. IC students are welcome, but not before 1:00pm at lunchtime as their own students must use it between 12:00 and 1:00pm due to their timetables. They do offer a bar and a coffee bar (with real coffee at 12p and a selection of teas) for use between 12:30 and 1:00pm.

Please follow their request, we do not want to lose use of their refectory altogether.

Nick

One Hundred Years of the Royal College of Science

Classes at the College began on October 4, 1881, in the old terra cotta building in Exhibition Road, next to the Victoria and Albert Museum. Thomas Henry Huxley (President of the Royal Society in 1883) was the Dean and headed a distinguished staff all either then or about to be Fellows of the Royal Society. H.G. Wells was one of the best known of the early students at the College.

A detailed programme of the centenary celebrations can be obtained from the RCS Union Office. They will last a fortnight, and start on November 16 with an address by Lord Todd, President of the Society of Chemical Industry, in the Great Hall, at 1:00pm.

There will be filmshows (including H.G. Wells *Things to Come*), a spectacular production of the traditional Smoking Concert which will soon be celebrating its own centenary, and a series of special lectures. The culminating event is the Centenary Ball on November 27 in the Sherfield Building which will be a very special occasion. Professor Sir Andrew Huxley, the President of the Royal Society, grandson of Thomas Henry Huxley, half-brother of Aldous and Julian, will be guest of honour. Tickets for the ball are available from the Imperial College Union Office, at £28 a double-ticket.

The Royal College of Science 1881-1981

Centenary Ball

27 November

Guest of Honour

Professor Sir Andrew Huxley
President of the Royal Society

Double tickets £28 available from RCS and IC Union.
Offices.

7:30pm-2:00am. Black tie.

Small Ads

- **England vs Hungary** ticket, standing £3.50. Offers 859-3717 after 2pm.
- **Volkswagen Beetle 1500**, white, 1969 MoT, Radio, good condition, ring 444-5695 (anytime).
- **Rotel RX202 mark II** receiver, sensitive AM/FM tuner, 20x20(RMS), amplifier with full speaker protection, excellent condition, £65, Martyn Boutelle, chem 438. Int 4149.
- **Ladies 3-spd bicycle**, quite old but in good condition. New dynamo lights and carrier. Navy blue. Offers around £30. Also: *Positive Economics*-Lipsey, only £6 (save £2.50), good condition. Contact Linda Brehaut, Chem Eng.
- **Honda CG125 R** reg, 9,100 miles, vgc, tools, manual and cover supplied, £250 ono. Contact Julia Willingale int 3538 or after 7pm on 607-6288.
- **Suzuki TS125**, N reg, low mileage, 6mths tax and MoT, good condition and excellent runner. Caroline Fitzpatrick, Physics 3 or 212 Hamlet Gdns, 748-3184.
- **Mini 1000**, P reg, 38,000 miles, 12mths Mot, £995ono. Phone 582-0501 (home) or 636-9851 ext 26 (office) and ask for Jenny.
- **Wanted:** Second-hand copy of *Biology of the Mammal*-Clegg and Clegg (Heineman). Contact P. Rodgers, Phys 1.

- **Drummer required** by rhythm'n'blues band. Own kit, ability to play and sense of humour essential. Voice and drink problem helpful. No time-wasters, posers or drum machines please. Contact Martin Bayliss, Chem 2 or IC Radio (int 3440).
- **Lost:** small green leather-handled suitcase, monogrammed T.H. If found please return to Teddy Hannagh, 74 Weeks Hall.
- **Two umbrellas** found after the Halloween Party. Pick 'em up from RCSU.
- **Want to share** a flat with me? (and with him!). A nice little pad is waiting for you just off Ken High St. £20pw. Ring 603-4931 (flat 1) after 6pm.
- **Melvyn**, what price your birthday present? We have a use for it. H44HS (fund raising unit).
- **Large furnished room** in flat, shared kitchen and bath, £80pcm and bills, male 23 plus. Available beginning of December. Ring Kathy (int) 2357 for details.
- **ICCU Mission:** On Tuesday, November 10 and Thursday November 12 the IC Christian Union maths and computing group will be having a lunch party in HB 340 between 12:30-2:30pm. Everyone welcome.
- **If anyone is interested** in an expedition to South America (Peru in particular) this summer, please contact Kathy Herbert, Maths 3.
- **IC Social Democrats.** If you'd like to join, contact Colin Butler, Life Sci PG.
- **IC Angling Club** happens Thursdays evenings, 6:00pm, Southside Bar.
- **IC Fiftis** football team wish a speedy

On the trail of the sons of thunder

A masochist's view

Sunday morning started moderately bright and distinctly early; after meeting with the motor cycle contingent who were riding down to Brighton with the Guilds Neracar called Derrick, I cycled to the start of the Veteran Car Run in Hyde Park, where a number of pyjama-clad Guildsmen cheered Bo off with a Boom-laka. There were thousands of people lining the route to watch all the old cars, and even some mad cyclists, attempt the fifty-six miles to Brighton.

About three miles from the start, Bo stopped because Phil, the driver, had been unable to engage fourth gear. A little bit of investigation under the bonnet and floorboards showed that the car would be restricted to three gears for the rest of the run—I thought that this was ironically fair, because I only had that many on my bicycle. Continuing southward, we were in convoy with Derrick, which was surrounded by the posse of motorbikes, supposedly to protect him from cars; they headed off after a while. Somewhere near Croydon a large fire engine, adorned with scientists, joined us and a certain amount of 'lighted hearted repartee' took place between the two factions.

A little bit before Gatwick some other cyclists from a cycling club, rather than IC, followed Bo with me for a few miles until we stopped at a garage and the crew had another poke at the engine and decided that they still couldn't get it to stay in fourth gear. A certain amount of sandwich-swapping ensued with the people in Bo's

support car (which had also stopped), until we all hit the road again—they were not intending to stop at all until reaching the promenade in Brighton. There is a hill near a small village called Peas Pottage which can do nasty things to veteran cars, there were several such vehicles at the side of the road waiting for their radiators to cool down; I was hoping that Bo would crawl up the hill and give me a chance to get ahead, but no, they stormed up and I only just managed to keep within a couple of hundred yards of the remarkably lively (almost) octogenarian.

A few miles further on, while I was in my favorite position just behind Bo's nearside rear mud-guard, when the passengers in the car spied a familiar-looking pair of coaches, to which we waved vigorously—at least it made up for all the other coaches that we'd waved at. Going up the last long hill I was feeling rather cream-cracked and let Bo draw further and further ahead. Somehow I made it over the top and coasted towards the sea, almost falling asleep at the handlebars.

At the town boundary check-point (which is the official completion of the run) I asked an RAC official who told me that I was thirteen minutes behind Bo. I finally got to the sea-front after just under four hours cycling—despite not having top gear. Bo took an hour less than last year. If you think I cycled home—think again.

Jasper

PS: It's an awful long way to Brighton!

- recovery for their midfield star Dave Wadsworth (Chem 1) who got injured on Sunday. See you soon Dave!
- **Arachnid chemist** seeks job like flies. Contact Spiderman, DoC PG.
- **COSSAR**—Please come to SF Soc meeting and identify yourself—Elise.
- **Birdwatcher** from last week: try Trafalgar Square. Best of luck—SJT.
- **6HR** congratulate Chris on KO in Piccadilly. Try not to bite any more skinheads.
- **"Nobody** knows where my Andy has gone, but Chris left at the same time. 6HR."
- **Splodge**, please don't try and put anything in the Honey Monster's ear this Saturday. Remember what happened to the fleas of 84D.

- **Industrial Breakthrough!** IN Wilson (Microbes) Ltd announce the production of Tractor Tyres from Shit.....
- **Karl** talks Bulls Schmidt.
- **Anybody interested** in old thumper? Contact D. Ooig or J. Moss, Chem 2.
- **For sale:** one unused cleavage. Slinkiness under all clingy situations, including V-neck sweaters, Chem Eng 1 any time.
- **Peter Fearnley-Whitingstall**, our witty friend said, quote: "I'm full of shit."
- **If the wally** who takes fuses out of plugs in the Jazz Room would care to contact me I'll take great pleasure in castrating him. Hope to hear from you soon. All my love. From the irate owner of the Selmer combo.

New opening hours for Haldane

by Richard Williams, Haldane Librarian

There are changes afoot in your friendly Haldane Library. From next Monday, November 9, the Library will be open for reading on weekday evenings and on Saturdays. So if you want somewhere nice and quiet (and warm!) to settle down in a comfortable chair with a good book on these dark, wintry evenings, then maybe this is the place for you. You could even write your essays there....

The new opening hours are the same as those for the Lyon Playfair Library: 9:30am to 9:00pm, Monday to Friday, and 9:30am to 5:30pm on Saturdays. So if you want that book or record for the evening or for the weekend, please come and borrow it from the Haldane Library counter Mondays to Fridays between 9:30 and 5:30. In 1983 or 1984, all being well, we shall be able to lend material at all times when the Library is open. So have patience, please, folks....

So you've already found that our door next to the Great Hall is now firmly locked against you? Cursing and gnashing your teeth, you now have to go on safari through uncharted routes (well, no—we've tried to signpost you) and stairs to level two. Maybe you missed the library lift...? If you're never in College in the evenings and if you're not one of the many doing a Humanities course option, then probably you feel there's nothing in the new arrangements for you (especially if you live in Maths or Physics). Probably not, except that you might be a little fitter with the extra lunchtime exercise involved in getting to us.

Maybe you are in College in the evenings. Then the changes should suit you well. Maybe you are doing a Humanities course. If so, then you'll find that the changes have been made especially with your needs in mind. The Humanities Short Loan Collection is now at the Counter of the Lyon Playfair Library; it contains most of the titles recommended on your reading lists, with several copies of those most in demand. We are also building up the stock of reference copies of these titles so that eventually there will always be a copy in the Library to which you can refer—this is one of the things you asked for when we sought your views last year. So is the new loan period of three days, extendable if no-one is waiting for the book. The Haldane Library also contains many related titles, for those of you who wish to read further or for those unlucky enough to find all titles you want out on loan. The freedom of access between the two libraries means that there is now more reader and working space available to you—the Haldane is so popular that we often haven't enough room for everyone. Oh, and that locked door? An unfortunate and inevitable consequence of opening up internal access between the libraries—so long as there are people anti-social enough to deprive other

members of the College of books which they need (perhaps desperately) by what is commonly and indelicately called theft, then we have little choice. It really is in your interests, even though we may be hard put to convince some of you.

For those of you who are new to the College and haven't yet discovered the delights we have to offer, a brief summary now, and a reminder to all our many users: we have a good collection of all types of fiction (Student Union property and selected by the Union Book Buyer), general interest non-fiction on a wide range of subjects, Ordnance Survey and other maps and atlases, and about ninety journals and newspapers. There are two special collections of books: the H.G. Wells Collection, commemorating the College's most famous student, and the Corin Collection, a small collection of modern private press books. The Music Library contains books and journals on all kinds of music and on hi-fi, music scores, and a very large collection of classical and popular music records and cassettes together with some spoken word recordings and language courses. You can get discount tickets for classical music concerts through the **Youth and Music** organisation; the Music Librarian, Miss Cedric, is the local representative. She also keeps a list of musicians in College interested in performing chamber music. We have a free "small ads" noticeboard—sell your old stereo, your old car, your old mother-in-law (buyers not guaranteed) or find yourself a typist for your thesis or project (we have more advertisements from typists willing to do such work than anywhere else in College). We also have a number of library exhibitions during the year. This year's programme includes displays of H.G. Wells and Imperial College (for the RCS Centenary), of rare books on the history of mining from the Robert Annan Collection and private press books from the Corin Collection, among others.

If you're worried that the changes mean that you can say goodbye to the Library's pleasant surroundings, have no fear—we value them too, just as we do the service we have offered as a sort of on-the-spot public library to the College for many years. Neither are in danger of disappearing. Changes in the College, and particularly the growth of Humanities courses, have meant that the demands on the Library have grown and that the balance has shifted. If we are to meet these demands then such changes are inevitable, unpopular though they be with some. I hope those people will understand that the changes have not been made lightly or without considerable thought by the Working Party which recommended them, and that the aim remains to provide the best possible library service to the widest number of members of the College.

Cromwell's Crêperie

19 Exhibition Road, South Kensington

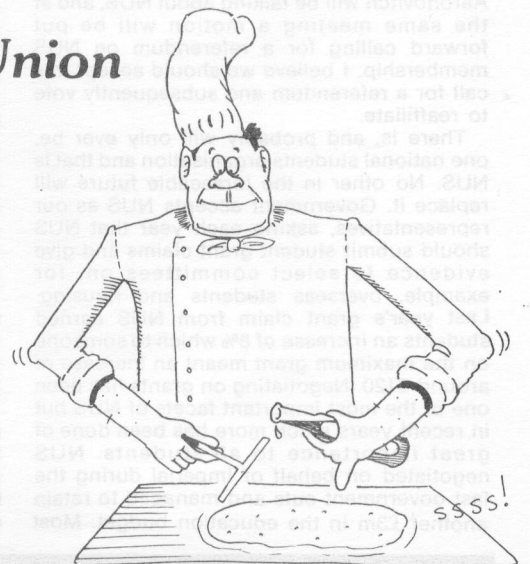
10% discount to Imperial College Union cardholders.

A choice of 24 superb crêpes

Open 12:00 noon to 12:00 midnight

Including Sundays

FULL LICENCE



NUS? No thanks!

Despite the fact that our long dissociation from NUS has not resulted in the predicted collapse of student services and facilities at IC (far from it—there has been a distinct improvement), there remains a small body of people who still feel we ought to throw 10% or so of our annual budget into the bottomless pit of NUS expenditure. So I am called to put yet again the reasons for not being part of the NUS, particularly for the benefit of new students.

First a history lesson. ICU was a founder member of the NUS, and since then it has been in and out several times. The last withdrawal came after a very close vote in a referendum early in 1977. The majority was just five votes. But a second referendum in November 1978 (after students had experienced life outside NUS) was much more conclusive. Out of a massive turnout of over 2,500 students (compare that with typically 1,700 in sabbatical elections) there was a substantial majority of 344 in favour of continued disaffiliation. This was even with the NUS enjoying the support of the ICU President and most other officers. So ICU remained outside NUS and still does to this day. Apart from several Scottish universities and Kings College (at the moment) we are the only large university institution outside NUS, and have been disaffiliated longest. This is almost certainly due to the unique nature of Imperial College and outlook of the students who come here.

After such a long time outside NUS we are in a good position to judge what benefits we have lost by not being members (and what we stand to gain by affiliation). Voters in the two referenda did not have this period to look back on, only various hacks warning of the gloom, doom and destruction which would result from being outside the NUS.

So what have we lost, what benefits are we missing by virtue of our withdrawal from the main stream of the 'student movement' (whatever that is, comrades!). One needs to look long and hard. There are a few colleges who refuse to make a reciprocal agreement with us for mutual use of facilities (notably Chelsea College). The Union does not receive the endless flow of bumph which emanates from Endsleigh Street (NUS HQ). We can't send delegates to NUS conferences. NUS doesn't officially represent us in their dealings with the Government and other national bodies (although they would claim that we still 'benefit' from their negotiations). Let me deal with these one at a time.

First, reciprocal agreements: this is a tangible benefit, but not one which greatly affects many students. (In fact the main losers are colleges like Chelsea who can't use our more extensive facilities). Second, NUS information: much of this consists of campaign literature, e.g. anti-nuclear power, CND, unemployment, anti-apartheid, etc. But information on these issues is readily available from national organisations which

college societies (and individuals) can contact directly. And however laudable one may or may not find these causes they are hardly student issues. Neither have IC students ever shown much interest in being in any campaign, be it student related or not. Some of the information NUS sends out is useful, but it is easily obtained elsewhere. NUS merely passes it on, they receive no privileged information.

NUS conferences: not sending delegates to these is hardly a great blow to the average student, although it does deprive four or five hacks a biannual chance to attend a four-day hack-in, hotel included, at the Union's expense. Lastly, representation: does NUS really represent anyone other than the political activists who attend its conferences? Its grant "negotiations" are a failure. Since NUS started making demands for grant increases in 1962, the real value of grants has fallen by 30%. This is because all governments realize that NUS is not representative of its 1.2m "members". A more moderate line than that which is usually taken would probably meet with far greater success.

There are many more arguments one could use against NUS: its unrepresentative nature, its party political basis, its often extreme policies, its bureaucracy, its failure to run its service companies viably. Here I have concentrated on the issues within college as they would affect every student. I think I have shown that there is no real benefit to be gained from NUS membership, certainly not commensurate with the huge expenditure involved.

*Martin Taylor
External Affairs Officer*

An appeal for reaffiliation

The National Union of Students represents 1.2m students, full-time and part-time, in FE colleges, universities, polytechnics and institutes of higher education all around the country. In England there is only one major students union which is not affiliated to the NUS and that is Imperial. A few years ago in a campus-wide referendum, ICU decided to leave the NUS by a majority of just five votes in a total ballot of two thousand. (The last College-wide referendum just three years ago produced a larger majority of over three hundred, but there was still a substantial amount of support for NUS—about 43% of votes cast). Next Tuesday, at the second Union General Meeting of term, David Aaronovitch will be talking about NUS, and at the same meeting a motion will be put forward calling for a referendum on NUS membership. I believe we should accept this call for a referendum and subsequently vote to reaffiliate.

There is, and probably will only ever be, one national students organisation and that is NUS. No other in the foreseeable future will replace it. Government accepts NUS as our representatives, asking each year that NUS should submit student grant claims and give evidence to select committees on, for example, overseas students and housing. Last year's grant claim from NUS earned students an increase of 8% which to someone on the maximum grant meant an increase of around £120. Negotiating on grants has been one of the most important facets of NUS but in recent years much more has been done of great importance to all students. NUS negotiated on behalf of Imperial during the last government cuts and managed to retain another £3m in the education budget. Most

important of all in these negotiations, they helped to stop the introduction of the loan system which would have caused many students great hardship (By using a survey they conducted in European countries where the loan system did operate, they managed to convince the government that the system was too expensive to run, and too difficult to manage.) This was a very important contribution to student welfare. Other recent campaigns from NUS have included overseas students, attempts to stop students paying high prescription charges and marches against unemployment (about one fifth of all graduates are unemployed on leaving college). At the moment it appears that the NUS legal advisors have found a loophole in a recent rent act which could allow students to get rent rebates even if they live in halls.

We have seen that NUS can be an effective campaigning body but much more is available than this. Endsleigh Insurance which provides a specialist insurance service for students was set up by NUS and though not totally controlled by them now, there are student board members and the company provides good insurance for halls of residence, mopeds and motorbikes, rag weeks and concerts. A National Student Travel Organisation was set up by NUS but this collapsed due to mismanagement. However it still persists to a degree in the form of London Student Travel. Without NUS there would be no London Student Travel Organisation. Student railcards were pioneered by NUS who also introduced to the UK. ISIC cards (International Student Identification Cards) and the National Discount Scheme (which gives varying discount at many thousands of stores around

the country). The cheap student deals with National Coaches were also negotiated by NUS.

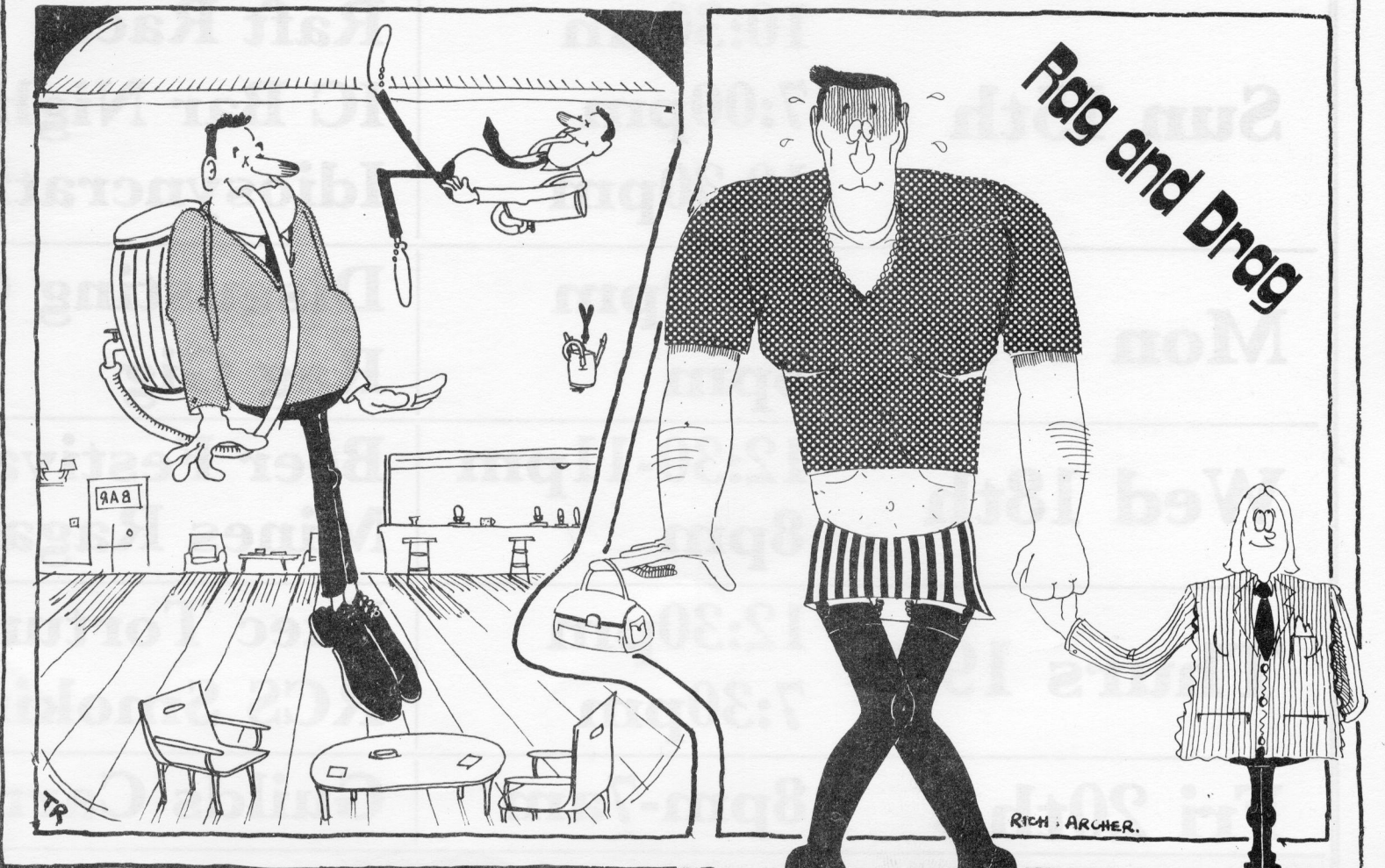
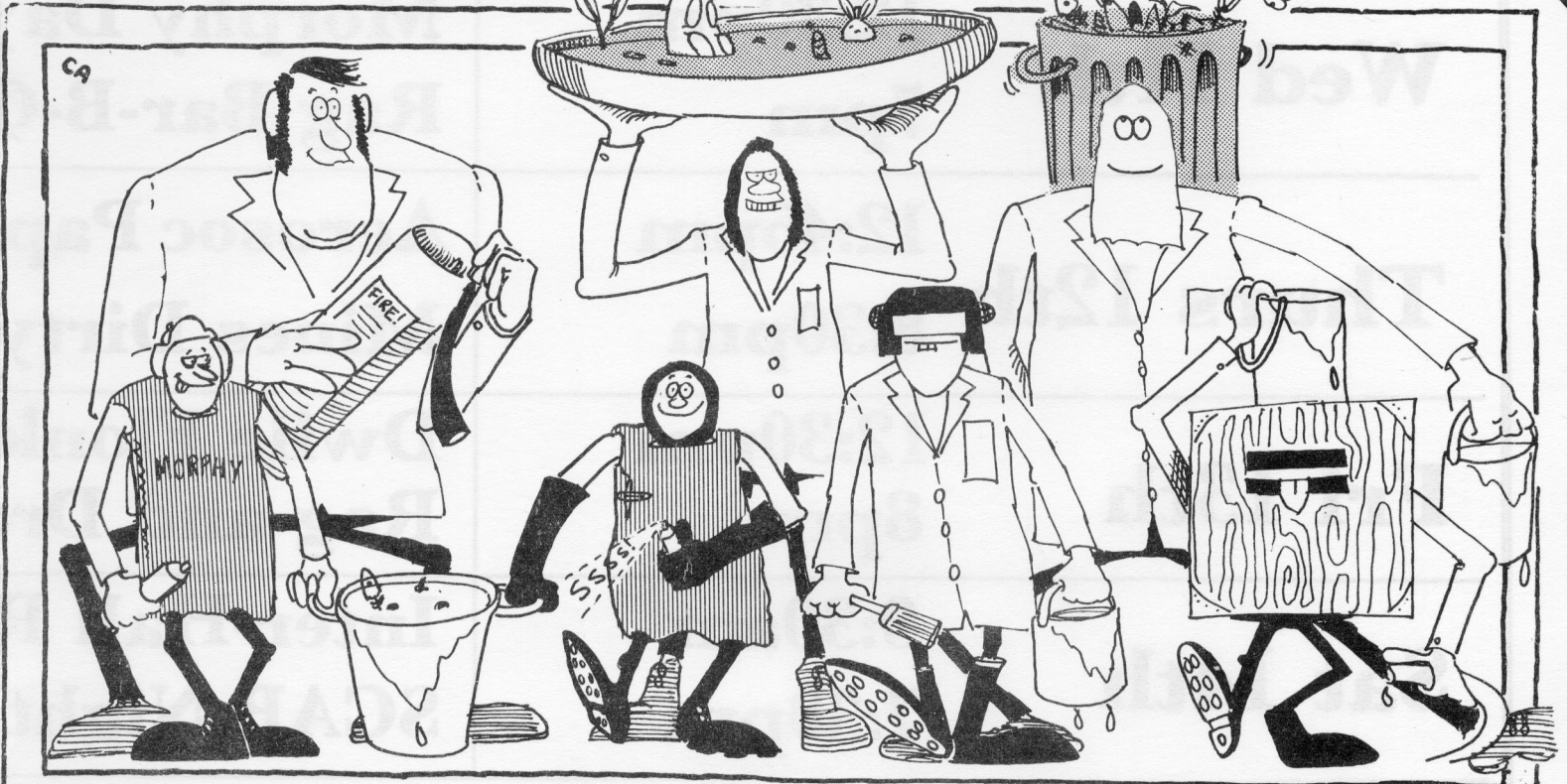
What are the arguments for staying out of NUS? The letter written to FELIX last week by Chris Webb gave only one important reason for staying out, and that was financial. NUS does seem at first glance to be expensive but a closer look shows this to be a mere £3.50 per member. This is not too much to pay for all the NUS negotiating services and other advantages given by NUS membership. We certainly managed to find the money when we were members a few years back. I am sure that though the amount is large, it could be found without a great deal of hardship (and that a concentrated attempt to find a way around the NUS block affiliation fees could prove fruitful). However attempts to find the money will not take place because the real reason for NUS disaffiliation was not financial but political.

One of the main points put forward as part of the opposition to NUS is that the executive members are left wing politicians and NUS is heavily involved in left wing politics. It is true to say that most executive members are elected on left wing labels but they are elected, and this is the important point; and when elected they work on student matters and not for the world revolution. It really would not make much difference if an NUS rep was in the "Kermit the Frog" party as long as he could negotiate well on student affairs.

In conclusion, we do need a national union and NUS is our only option and is a good option. At the moment we gain advantages from NUS and contribute nothing. We can sit back as Chris Webb implies in his letter and say "I'm alright Jack" but without NUS we could well have had a student loan system, greater cuts in education, as well as smaller grant increases. For how long are we to remain parasites sucking the backs of NUS, simply on the grounds that we think they're a bunch of lefties? If we think things are wrong let's go and change them from within.

Philip B. Nathan

Morphy Day



RICH ARCHER.

Beer Festival

RAG WEEK '81

Wed 11th	12:30pm 7pm	Morphy Day Rag Bar-B-Que	Meet CCU Offices Beit Quad	Throw shit over the opposition! Bin liners provided, but wear old clothes. Tea in Harrods after. Burgers, bangers and bonfire. Dish of the week, Matt Smith! (yeeeeuuuukkk!!!!)
Thurs 12th	12:45pm 8:30pm	Aerosoc Paper Darts Mines Dirty Disco	Beit Quad JCR	While the paper darts fly, take part in monster CCU boat race (i.e. drink pint very quickly) Perverted goings on, including Mines films. Fancy dress (dirty old men & schoolgirls!) £1
Fri 13th	12:30pm 8pm	Dwile Flonking Rag and Drag	Beit Quad JCR	Why not flonk your dwile? After all, it's perfectly legal. Entrance free to those in drag, £1 otherwise. Prizes for best dressed man and woman.
Sat 14th	9:30am 7:30pm	Inter-Hall Rag SCAB Night	Halls of Residence Union Concert Hall	Whose hall will win? Collect cans in hall and see. Plays: Education of Skinny Spew plus Polanski's Tenant and Secret Policeman's Ball. £1
Sun 15th	10:30am 7:00pm 10:30pm	Raft Race IC Bar Night Idiosyncratic Event	Princes Gardens Union Bar Union Lower Lounge	Run to Hyde Park with CCU rafts and watch them try to cross the Serpentine. GET PISSED! "Vicky and Berty go fishing" organised by N. Morton & D. Thomson (groan!)
Mon 16th	12:30pm 8pm	Disgusting Games Rag Gig	Beit Quad Union Concert Hall	Pints of beans and onions will no doubt appear. Organised by IC Ents. Tandoori Cassette plus support. £1
Wed 18th	12:30-11pm 8pm	Beer Festival Mines Ragarama	JCR JCR	20 real ales at 50-60p per pint. Buy IC Rag glass for £1 and then beer tickets. Fun with the Miners by Alan's Bar in corner of JCR. 'Rat in the drain', chapburgers, et al.
Thurs 19th	12:30pm 7:30pm	Exec Torture RCS Smoking Concert	Beit Quad Union Concert Hall	Pay to have masses of rotten food poured over the Exec—yummy! Victorian music hall entertainment and sketches. Entrance one guinea (21s).
Fri 20th	8pm-7am	Guilds Carnival	Union Building	£3.50adv, £4 at door. The Members & support and 3 films. Bar till 4am.

What's On

Friday, November 6

- **Consoc House of Commons Trip**, 1:00pm, meet Beit Arch. Invited members only.
- **Industrial Society Talk** by British Gas on *Energy Policy till the Year 2000*, 1:00pm, Chem Eng LT1.
- **Afro-Caribbean Slideshow** with cheese and wine, 5:30pm, Upper Lounge.
- **IC Christian Union Talk** on *Practical Pre-mission* by Travelling Secretary, 6:30pm, Music Rm, 53 Princes Gate. Coffee and biscuits afterwards followed by prayer meeting.
- **Silwood Fireworks Party** with torchlight procession from 7:30pm. Barbecue, disco, late bar and cartoons for kids. £1 barbecue, 25p disco, 50p children. Accommodation can be provided. For further information telephone Tony Smith on internal 6308 during the day.
- **ICCAG Soup Run**, meet 10:30pm, Falmouth Kitchens.

Saturday, November 7

- **Cross Country Stag Hill Relay**, Surrey University, Guildford. See noticeboard in Union Building for details.

Sunday, October 18

- **Wargames Club Meeting**, 1:00pm, Union SCR.

Monday, November 9

- **Hang-Gliding Club Meeting**, 12:30pm, above Southside Bar.
- **OSC Filmshow: For Whom The Bell Tolls**, 6:00pm, ME220. 20p members, 50p non-members.
- **RCSA Careers Brains Trust**, 6:30pm, Main Dining Room, Sheffield. Admission £1. Hot buffet provided.
- **IC Christian Union mission meeting** with talk *The Awful Truth* by David Marrow, 7:00pm, Reed LT.
- **Dancing Club Advanced Class**, 7:30pm, JCR.
- **Badminton Club Extraordinary General Meeting**, 7:30pm, Great Hall. An election will be take place for the post of Badminton Club Treasurer. Papers are up on the Club noticeboard in the Union Building.
- **H.G. Wells Soc** presents the director of the Metropolitan Police Forensic Science Lab speaking on *The Solving of Crime by Means of Forensic Science*, 7:30pm, Elec Eng 408. Entry by membership.

Tuesday, November 10

- **Catholic Mass and lunch**, 12:30pm. Chem 231. Nominal charge of lunch.
- **Boardsailing Club Meeting**, 12:30 and 6:15pm, Southside Upper Lounge. Contact Nick Ajerian Mech Eng 3 or Andy Grimshaw Zoo 2 for further details.
- **Filmshow and talk** by RSA Parachute Club Ltd, 12:30, Union SCR. If unable to come to the meeting contact B. Ranat, Dept of Physics, Optic Section.
- **Nat Hist Soc talk** by Dr B.C. Lamb on wine-making, 1:00pm, Botany Basement.
- **Railsoc Talk** by BR civil engineer on HST in BR Service, 5:40pm, Maths 340. All welcome.
- **Met and Mat Sci Soc Lecture** *Materials Processing in Space* by Mr P. Caton of Fulmer Research Laboratories, 6:00pm, RSM G20.
- **Wine-Tasting Society** tasting Greek wines, 6:00pm, Union SCR.
- **Inter-College Jewish Society** coffee evening, 6:00pm, Chem 231. NB: lunchtime coffee cacophony postponed because of the UGM.
- **Astrosoc Meeting**, 6:30pm, Physics LT2. Members only (anyone can join at door).
- **ACC Meeting**, 6:30pm, Union Lower Refectory. All club captains to attend.
- **Socialist Society Speaker Meeting: Campaign Coffee**, 6:30pm, Green Comm Rm (top floor Union).
- **SF Soc Film: 2001**, ME220. 50p non-members, 20p members.
- **Audio Society comparison** of turntables, 6:30pm, Upper Lounge, Union. Membership £1.25.
- **IC Christian Union mission meeting** talk *To the Bitter End* by David Marrow, 7:00pm, Reed LT.
- **Dancing Club Beginners Class**, 7:30pm, JCR.
- **ICCAG Soup run**, meet 10:30pm, Falmouth Kitchens.

- **Dept of Humanities**
 1. Views of Life and Death
 - Part 2: The Islamic View with Ahmad Ahani, 1:30pm, Read Theatre, Sheffield. Arranged by IC Islamic Society.
 2. Europe's Cultural Revolution, 1880-1914
 - Part 1: The Age of Einstein with Prof Michael Biddiss, Prof of History, Reading, 1:30pm, Pippard Theatre, Sheffield.

Wednesday, November 11

- **Ice Cream Party**, 12:40, E450 Chem Eng. Free.
- **Cross Country** Second London College League race—Uxbridge. Meet 12:45pm, Union Building main staircase.
- **Wargames Club Meeting**, 1:00pm, Union SCR.

- **IC Trampoline Soc** meets 5:30pm, Courtauld Hall, QEC, Campenden Hill Rd. Contact Kristen Hansen, Chem 2 for further details.

- **Dancing Club Alternative Beginners Class**, 7:30pm, JCR.

Thursday, November 12

- **IC Christian Union** maths and computing group lunch party, 12:30-2:30pm, HB340. Everybody welcome.
- **Amnesty International:** Students will be asked to sign pre-written letters appealing for release of prisoners of conscience, 12:30pm, JCR.
- **Open House (discussion) and lunch**, 12:40pm, Chem Eng E450.
- **Dept of Humanities**
 - 1 Film: *The World at War* (Thames TV)
 - Part 4: *Barbarossa*, 1:15pm, Great Hall, Sheffield.
 2. Lunch-hour concert with Sally Mays (piano), 1:30pm, Music Rm, 53 Princes Gate.
- **STOIC programme: NEWSBREAK**, 1:00 and 6:00, JCR (1pm only), Southside TV Lounge, Southside, Beit, Linstead and Weeks Halls. STOIC's weekly news-magazine programme for IC students. Take half an hour off and catch up on events you may have missed during the past week, be brought up-to-date on current issues at College and find out what not to miss next week, including recently released films, which are reviewed on Newsbreak. Watch News-break in colour in the JCR (1pm only) or your Hall (except Garden).
- **Labour Club**, 1:00pm, SCR. New member's welcome.
- **Science Fiction Soc Library Meeting**, 1:00pm, Green Committee Room, Union Building.
- **ICCND Meeting, European Nuclear Disarmament (END) and Scientists Against Nuclear Arms (SANA).** Why were these groups formed and what role do they play? With Dr Keith Barnham, Senior Tutor, Physics.
- **MOPSOC Lecture** *Talking Computers*, plus the presentation of the Calendar Prize to the best all-round physicist graduating in 1981, Physics LT 2 at 1:00pm.
- **SF Library Meeting**, 1:00pm, Green Comm Rm.
- **Gliding Club Meeting**, 5:30pm, Aero 254.
- **ENTS film: National Lampoon's Animal House**, 6:30pm, Mech Eng 220, 50p.
- **IC Christian Union** mission meeting, piano recital by Richard Meyrick, 7:00pm, Reed LT.

- **Astrosoc**
There will be an EGM on Monday, November 23 at 5:30pm in Physics LT2. This is to elect the committee for the present year, due to the lack of an AGM last year. Any member of AstroSoc is entitled to stand for any post.

Down to Earth

IC Christian Union—a week of events

Many people think that we live in a world without hope. Some wrap themselves up with their careers, their family, sport, entertainment, etc., trying not to look too far ahead. Others devote their energies to politics, sometimes for personal power, often in an attempt to find solutions to society's problems. Often they find the problems of society are deep and extensive and the answers none too effective. It's in this context that we ask whether or not Christianity is relevant.

Society is made up of individuals and Christians believe that it is in the individual (you and me) that the problem lies. The Bible says that the root cause is that we live without regard to God. Both our action and our inaction separate us from God (technically our sin).

Throughout history we have shown ourselves to be powerless to sort ourselves out in this respect. Nowadays we are not technologically disable, morally so, failing to apply the wonders we discover as God would have us do.

God's answer is "down to earth" in two ways. On the one hand it's relevant and on the other it involved the sacrifice of himself. As you may gather, this title refers to Jesus Christ, God's Son and the good news about him.

That he was born as a man (sent down to earth), lived a life without sin, was executed for no good reason and has been raised, from death to life with God. The Bible puts it this way:

You see, at just the right time, when we were still powerless, Christ died for the ungodly. But God demonstrates his own love for us in this: while we were still sinners, Christ died for us.

By raising Christ from death, God showed that he accepts Christ's sacrifice of himself for our sin and has removed the banner which separates us from him, so that:

Whoever believes in him (Christ) shall not perish but have everlasting life.

If we believe in Christ, and turn to God (away from sin) he offers a personal friendship to us, putting everything else we value in its proper place, and he makes life well worth living. At first sight it seems too good to be true, but then God is practical and knows what we need.

The purpose of this next week is that people should know that Christianity is about the good news of Jesus Christ leading to a dynamic relationship with the living God.

The Events

Monday, November 9: *The Awful Truth*, 7:00pm, Read LT, Sheffield

Tuesday, November 10: *To the Bitter End*, 7:00pm, Read LT

Thursday, November 12: Richard Meyrick, 7:00pm, Reed LT. Piano recital of Bach, Chopin, Stavinsky, Brahms, Prokofiev, Liszt.

Friday, November 13: *From Here to Eternity*, 7:00pm, Mech Eng 220

The speaker for Monday, Tuesday and Friday will be David Marrow with drama by Cornerstone. All meetings will last about one hour.

Other events will be happening during the week in departments. Look out for the posters.

Who's Who

David Marrow: David will be the speaker at three of the evening meetings. He is a vicar from the town of Ryde on the Isle of Wight. Before studying theology at St. John's College, Nottingham, and at Tyndale Hall, Bristol, he was a door-to-door salesman for a vacuum cleaning company. He has worked in the church in Ethiopia for four years leaving when the recent war began. He is married with four young children.

Richard Meyrick: Richard is a professional concert pianist of some standing. He began to study the piano at the age of ten, more recently at the Royal College of Music. He has toured Poland, Canada, the USA and next year the Soviet Union. Richard is a Christian and finds that God relates to him—even in his music.

Cornerstone Theatre Company: Cornerstone are a group of professional actors based at Jesmond Parish Church in Newcastle-upon-Tyne. They are made up of three men and two girls and will be performing in and around College during the week.

The Case for Deterrents

IC Conservative Society

answers CND

Last week CND put forward a number of arguments for unilateral disarmament which we believe are totally misleading. Their arguments are strung together with half-truths and over simplifications and we believe it is now time for realism.

The Soviet Union, over the last ten years, has amassed the largest armed force ever seen in the history of mankind. They have spent no less than 17% of their GNP on military purposes, building up an enormous arsenal of the most sophisticated nuclear and conventional weapons modern technology affords. Can we really believe that these are for defence purposes only? Like it or not, the evidence points in the opposite direction. Leaving strategic nuclear missiles aside, the Soviet block has an enormous force of Badger, Blinder and Flogger bombers, each capable of flying low under our radar net to "nuke" every city in the land. Even with our full complement of 380 Tornados, there is no way we can repel this Russian force. Soviet SS20s, based in Eastern Europe, are also aimed at every city in the UK. We have nothing to counter them. These are hardly moves by a peace-loving nation to defend itself.

Last weekend a Soviet Whiskey class submarine was washed ashore near a major Swedish naval base in the Baltic. The Russian claim that the sub had compass and steering problems is ludicrous as no submarine would have been able to penetrate into the complex system of fjords and channels without full control. So what was a Russian submarine doing spying on Swedish naval defences? The only realistic conclusion is that it was attempting to gain intelligence as to the effectiveness of Swedish defences against attack.

Our only defence against the Soviet bloc has been our nuclear deterrent. Its purpose has been to prevent war by making it clear to a potential aggressor that, however much force he might use against NATO, he could not hope to win. *It is only this facility that has kept and will continue to keep peace in Europe.*

Last week you read CND's arguments. They try and delude themselves into believing that the Soviet conventional superiority is not realistic as they have less sophisticated weapons than NATO. Do they really believe that the M16 21 "foxbat", the fastest aircraft on earth, is inferior to NATO capability? The Soviets possess some of the most sophisticated and effective weapons available in far greater numbers than NATO. CND then claim that a computer failure that had NATO bombers ready for take-off could cause nuclear war. A bomber on the runway threshold is a long way from a bomber over its target. It is refreshing to see that this computer error was spotted even before the aircraft got airborne.

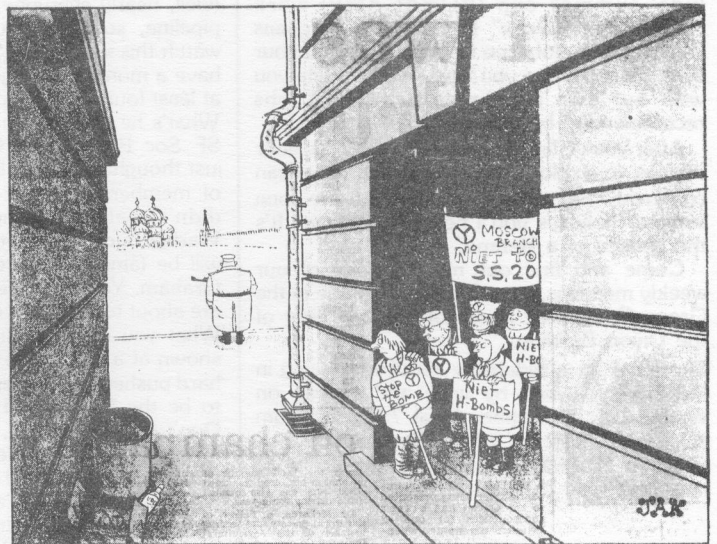


If we got rid of our nuclear weapons, would we be any less safe from attack? Again, here we must look at hard facts, not waffle. Afghanistan had no nuclear weapons, yet this has not stopped its people from being butchered by Soviet napalm and poison gas. If we lay down our nuclear deterrent, there is nothing we can do to stop that very poison gas drifting down the Thames Valley instead of the valleys of Afghanistan.

We can only disarm when we are sure that the Soviet Union does not have the superior capability or desire to attack us. This can only be achieved by multilateral disarmament, where both sides disarm on a parity level. This is the only way we can realistically lay down our nuclear arsenal.

Set against reality, CND's calls for us to unilaterally disarm are nothing short of madness. We must not allow future generations to mention the UK in the same breath as Afghanistan, Hungary or Czechoslovakia. These countries were defenceless, and they paid a heavy price for their folly. To use the words of Denis Healey: "Once we cut defence expenditure to the extent where our security is imperilled, we have no houses, we have no hospitals, we have no schools. We have a heap of cinders."

IC Conservative Society



"No, no, Ivan. After you!"

HALDANE LIBRARY

New Opening Hours

Mon-Fri 9:30-21:00

Saturday 9:30-17:30

Music Library

Mon-Fri 9:30-17:30

The Library is open for reading purposes only after 17:30 and all day Saturday.

Books—Journals—Maps—Records—
Tapes—Music Scores

This is your library—please use it!

bunac

Holidays in America have become quite popular over the last few years but did you know you could work there as well to help pay for it all?

Work permits aren't easy to get but the British Universities North America Club can get one for you.

BUNAC is a non-profit making organisation run for students by students which operates an exchange program enabling students at British universities (including overseas students) to work in the USA and Canada for the summer. We arrange your work permit, flight, insurance, and first night hotel accommodation in America and also have an office in New York to give you any help you might need during your stay in the States.

You have lots of choice in the type of work you do. You could work as a counsellor on a kids' summer camp (BUNACAMP) work "behind the scenes" in the camp kitchens (KAMP), pick tobacco in Ontario or find your own job anywhere you like. (We can help you with our own job directories full of jobs recommended by previous 'BUNACERS').

After you've finished work you can use your savings to explore the vast North American continent. So make the most of the long summer holidays you'll never have again. It's the chance of a lifetime.

Come and find out more at one of our weekly meetings every Friday lunchtime in the Green Committee Room on the top floor of the Union Building.

There will be a slideshow about holidaying in the USA followed by wine and cheese on Wednesday, November 11 at 7:30pm, Room 3C, ULU, Malet St, WC1 (Goodge St. tube). Free to BUNAC members, 50p to non-members (you can join at the door).

Industrial

I begin with a puzzle: what exactly motivates people like "N. Wilson", Chris Wilshaw Fan Club Chairman and author of last week's *Alternative View* to get involved in slagging off industry? a) is he plagued by bugs? b) can he not get a job? c) has he tumbled our tractor tyre operation? d) is a sinecure a tropical disease?

Seriously folks, a few thoughts:

1. Considering the amount of time and effort Chris Wilshaw (the Chairman) has devoted to the Society's activities, questioning his motives is superfluous as well as petty. (He has no "job lined up").

2. Making money has a strong appeal to most people.

3. Many others which I shan't list here (see Chris Wilshaw's letter).

So, on to the secrets of our diary. The trip to British Steel at Sheffield was very successful—we hope that all concerned enjoyed the event.

Today we present a talk by British Gas: 'Britains's Energy Policy until the Year 2000'—a glamorous (?) subject which affects us all. This begins at 1:00pm in Theatre 1, Chem Eng (entrances opposite Beit and by the Bookshop). Everybody welcome, especially N. Wilson—"Da boys will be dere Luigi".....

Next week: Wednesday sees the Courtaulds visit then on Thursday, November 12 we invite you to hear a 'Brief profile of a financial career with Unilever; also at 1pm in Chem Eng LT1.

Oh well, I must fill in another job application form. Bye.

SF Soc

Once again the Turveysame mind of the bulletin compilers (your friendly neighbourhood gestalt) leaps into action to bring you previously untold delights normally spoken of only behind the door of the mysterius green room, or "green room" as people who like inverted commas call it, on Thursday (tell me why). Coming on November the tenth, one of the ten greatest films ever made, yes its 2001-A Space Odyssey. Come along and thrill to the cashmere sweater mystery, stare rapt at the love scene in the car, laugh at BBC 12 and puzzle at the extract from a Jewish wedding. Confused? You won't be after the next showing of 2001. Also coming soon—but this isn't rock bottom definite yet—we are negotiating for a showing of "*****"; the film that hasn't been banned, you can't show it, that's all. The film that everyone (well, nearly everyone) wants to see is in the pipeline, so keep your fingers crossed and watch this space. No, Stanley Kubrick doesn't have a monopoly on good SF films. There are at least four other good ones as well as his two. What's he working on now? I've no idea. The SF Soc President is Graham Woodhouse. I just thought I'd throw that in because a couple of members sat next to him at a party and didn't realise who he was recently. Andy Warhol once said that in the future everyone will be famous for fifteen minutes. Hard luck Graham. You may like to know that the BBC are about to show lots of old Dr Who episodes. What you may not know is that they will be shown at a time when IC students will be very hard pushed to see them. It looks as if it's going to be the Prisoner all over again. So it goes. Don't forget Tuesday, November 10, 6:30pm, Mech Eng 220 2001. Be seeing you. I know that things haven't been all right with me lately, but they can be all right again.

C'roderick and the Innsmouth Angling Club. (** etc As this will definitely be members only, and we don't want you to be jealous, come to meetings for names, etc.).

Mistress of Chaos

Welfare

Did you know that ICU has its own Welfare Officer? Probably not, since I don't go around making a big song and dance of it. Well, it's five weeks into term now and no-one has given me anything to do, so I'm out to find something. I wonder if you could help!

Firstly, do you rent a flat/bedsit under a licence or tenancy agreement about which you aren't entirely happy? (Have you read it?) I'm compiling a list of ludicrous clauses for future discussion, and I need lots of material, so please drop by and see me. Let me take a copy of your agreement (I'll keep it confidential).

Secondly, I intend to try to get some speakers in from outside to discuss issues relevant to our general welfare (drugs, VD, gays, etc.), but I'm not sure that my ideas will co-incide with yours—if you have any suggestions, I'd like to hear them.

So, if you want to help/comment about either of these, or have anything else you want to see me about, please drop me a note in the Union Office or come and see me next Monday or Friday (November 9 and 13) in the Union Upper Lounge between 12:30 and 2:00pm.

Cheers.

Nick Pyne
ICU Welfare Officer

Consoc

Don't forget the House of Commons trip today (November 6) to all members who put their names down at the Wine and Cheese Party. Meet Beit Arch at 1:00pm.

Our next social event will be a trip to see *Anyone for Denis?* at the Whitehall Theatre on Tuesday, November 24. Seats available at £3.50 (Upper Circle) by cheque from myself c/o Chem Eng letter-racks. See the current *Morning Cloud* newsletter for further details, but be quick—there are only thirty places available.

Geoff Knox
Vice Chairman

Amnesty

On November 30, the people of Benin will be celebrating their National Day. To coincide with this event the IC Amnesty Group has decided to organise a massive 'Swamp Benin's Postal System' campaign.

We are hoping to send off a vast number of letters asking the President of Benin, Colonel Kerekou, to release our "adopted" prisoner, Firmin Awadon, as an act of clemency. On Thursday, November 12, we will have a stall in the JCR where you can come and sign one of these letters. (There will also be a variety of pamphlets, books and Christmas cards on show.)

Living in a democratic society we must speak out for the politically oppressed of other nations, otherwise we do not deserve our 'right' to 'freedom of speech'. It is this 'right' that we take so lightly, that so many people in other countries are prepared to die for.

Please support our campaign. Meetings are held every Tuesday at 5:30pm in the Green Committee Room (top floor, Union Building).

Bookshop News

As we are approaching the festive season, the Bookshop will be stocking a wide range of books suitable for all members of the family. There are also catalogues available, so please take one. If by chance there are books you want that are out of stock, we are only too pleased to order them. Also available are pewter mugs, goblets and hip flasks. Engraving to your own design can be arranged. The range of designs can be seen in the shop. This week the shop has an exhibition of books published by George Godwin Ltd.

New Books

- Folding Frenzy* Pan Books £2.95
- All the Year Round* Toni Arthur Penguin £1.00
- Shaping Rubiks Snake* Albie Fiore, Penguin £0.95
- Lady MacLean's Diplomatic Dishes* Collins £7.95
- Lady MacLean's Cookbook* Collins £7.95
- Quest for Adventure* Chris Bonnington, Hodder £14.95
- Delia Smith's Cookery Course Part 3* BBC Publications, £4.25
- Oh, Dear Doctor!* Dr Robert Clifford, Pelham £6.50
- The Graffiti File* Nigel Rees, Allen & Unwin, £5.95

Addresses we have known: The Manager of the Flinders, Imperial College Bookstore, Prince Consulate Road.

Wing Tsun

The Chinese method of attack and self-defence was kept a secret handed down in China from father to son, because of its deadly power to disable or kill.

The Chinese martial art of Kung Fu does not consist entirely of aggression; it is far more than that. It is a philosophy and a culture.

The basis of Wing Tsun Kung Fu is humility and self-respect. Should it be needed for self-defence the approach is to seek out opponents weaknesses and prevent him from attacking, not to batter him to the ground. We attempt to instil absolute self-control and abandon such self-damaging attitudes as greed and hate.

When a practitioner reaches the very pinnacle of Wing Tsun, he is said to be free from any mundane rules, forms and regulations. He is a pragmatic fighter, elusive, unfixable and completely unpredictable. Wing Tsun becomes an art of self-expression.

Mr Simon Lau who studied Wing Tsun Kung Fu in Hong Kong thinks there are more important aspects to the art than the high kicking violence featured in many of Bruce Lee's hit films. "The one thing many young people don't realise when they see Bruce Lee's films is that he was above average in strength and style. They think that they can achieve his strength after a few lessons.

Kung Fu is a potentially dangerous art. If taught by unqualified persons it can result in serious injury. Mr Lau is very concerned about this and hopes that youngsters will take more care in choosing their teachers.

A division of Mr Lau's Wing Tsun Academy was formed at Imperial College Union in his academic year. Training takes place in the Union Gymnasium on Wednesday between 3:00 and 6:00pm and Saturday between 11:00 and 2:00pm. Anybody interested in the art is welcome to join.

Methsoc

Do you like ice cream? Good, because we're having an ice cream party in E450 Chem Eng at 12:40pm on November 11.

Why? Because we like ice cream. We being Methsoc, and honestly, I've never seen a pink cocktail in my life.

We will also be having a short epilogue followed on Thursday lunchtime by a discussion with lunch, on some Biblical passages trying not to mention ice cream.

Audiosoc

Following his recent tour of Linn Products in Glasgow, our crusading Chairman is back leading the ranks of Audiosoc to renewed glory.

This very Tuesday (November 10) we have a subjective comparison between the following decks:

Logic/Helius/AT32
Linn LP12/Rega/R100
Aristan/SME/ADC ZLM
Focus 1/Micro/Basik

modified AR superdeck/Syrinx/Micro LC80W in our usual anechoic chamber, the Union Upper Lounge (beside ICU Office) starting at 6:30pm.

There are more talks, demos and debates for the future and maybe one or two very good bargains.....

Whether you are an active fiddler, passive listener, prospective buyer or just plain bored, contact Shezi Abedi via Physics 2.

Audio Soc.....simply better.

Canoe

Last weekend the club went to the River Dee in North Wales. The main event of the weekend was the World Cardboard Canoeing Championships, which took place on a two hundred yard course, including the Serpents Tail, one of the best rapids we have in this country. The IC entry was a three-man Canadian canoe, and as you would expect the cardboard engineering was of a high standard. With the three cardboardists at the peak of physical fitness our hopes were high.

Unfortunately this was not to be. Despite an encouraging start, sogginess started occurring at the later stages of the race, and cardboard collapse happened just before the finish. This was still an impressive entry though, as there were only three finishes out of about twenty-five starters in the cardboard multiclass event.

The weekend also saw some more normal canoeing for both novices and experts on the River Dee. The novices were introduced to whitewater on the scenic upper section of the Dee, while those with more experience attempted the more difficult lower section to Llangollen, with varying degrees of success.

Anyone interested in joining the club is welcome to come and try the sport in the swimming pool between 6:30 and 8:00pm every Tuesday.

ICYHA

Well, we finally made it to a hostel at last. (Our first attempt was foiled by a blown engine in the van.) As the van was not quite ready for action we had to travel by train; the location being Arundel Youth Hostel set in the valley of the river Arun and surrounded by the hills of the South Downs. Arriving on Friday evening there was just enough time for a quick drink and a bit to eat before returning to the hostel. On Saturday we walked over the tops of the South Downs and through the autumn woodlands in the area. Sunday saw us going in a different direction, walking down the somewhat wet and muddy banks of the river to the sea a few miles away, before returning to College by train in the evening.

Having successfully completed this weekend, we should now have a full program for the rest of this term. Today a group of us are off to the Chiltern hills for a weekend's cycling and next weekend, with the return of the van, we will be off to see the Cotswolds. Other destinations later this term will be Snowdon and the Yorkshire Dales. If you are interested in going on any of these trips (cost around £10) come along to our weekly meeting in Southside Upper Lounge every Thursday from 12:30 till 2:00pm.

Community Action Group

Soup runs again on Tuesday and Friday, meeting in Falmouth Kitchens at 10:30pm. Anyone is welcome.

Is anyone interested in helping with retarded and mentally handicapped children at a youth club in Acton? The club is from 12:30 till 4:00pm every Saturday. Come along this Saturday, meeting under Beit Arch at 11:30am. Make an effort and come, you might find yourself enjoying it!

St. Pancras have contacted us asking for help with the elderly patients. Either regular visiting or just a group of students taking some of them on day trips. If anyone is interested please contact Sean Coyle, Elec Eng 3, or come to the Action Group meetings on Mondays at 12:30pm at the top of the Union Building and then we can organise day trips, etc. See you sometime.



The RCS Centenary fortnight is getting close now, so keep a look out for details and agendas. Most important of course is the Ball, which is on Friday, November 27. The price is £28 for a double ticket, for which you get three bands, a whacking great meal, a disco and gallons of booze. Please don't wait until the last moment to buy your ticket.

Anyway, not much seems to be happening this week, apart from the RCS Rag collection tomorrow. This takes the unprecedented step of using our house-to-house licences to collect house-to-house. See Broadsheet, etc., for more details, but meet at 10:00am in the RCS Office. We're now £400 behind Guilds Rag total, so it's time to put in some extra effort!



City & Guilds

On Saturdays, we collected £640 for rag. This is a silly sports all-time record and puts the Guilds total to over £1,500. It also puts us £400 ahead of RCS.

Tonight is Bar Games Night, where there will be darts and cards and suchlike. If you want to bring a game of your own, please do.

Saturday morning is Portobello Road Rag collection where we entice the general public to splat a foam pie in our faces for large amounts of cash.

Monday Theatre Trip *Children of a Lesser God*, tickets £2.90 from John Stewart, Mech Eng 2. Also on Monday the Guildsheet Rag Week Special. Tuesday General Committee, 5:30 for 6:00, Union Dining Halls. Observers welcome. Wednesday beware the Rag Week cometh.

PS: Bo got to Brighton with no fourth gear.



OK—there is no freshers' dinner on tonight! But—there is an RSM Rag Collection on tomorrow!

Repeat: there is an RSM Rag Collection on tomorrow—right?—has it registered?—do you understand?—anyone unable to comprehend see me lunchtime. Seriously though, we (RSM—that means you!) are going Rag collecting Saturday morning—not too early and I'll even provide coffee and toast (10p a time) before we leave. Meet at the RSMU at 9:30 to 10:00am. I won't blurb too much about Rag Week, but I hope everyone knows what is happening. If you would like a Rag Week timetable come and see me in the Union Office.

An academic interlude to Rag Week—the RSM Open Day is on Monday, November 16. Second and Third year students will be needed to act as guides as in previous years and first, second and third years are asked to help with various things over the weekend and especially on the day itself. Help will be required from 4:30pm on Friday, November 13, all day Saturday and most of Sunday, as well as Monday. Everyone helping is invited to a food and booze do on Monday evening in the Watts Library area. If anyone would like to help, please see Chris Sleaf (Mining 3), your academic society chairman/woman, or myself in the Union Office for more information.

SPORT

RESULTS

Wednesday, October 28

Football

IC 1st XI	vs RCA	1-2(A)
IC 2nd XI	vs IC 3rd XI	2-1(H)
IC 4th XI	vs IC 5th XI	1-7(H)

Rugby

IC 1st XV	vs Technico Lisbon	15-25(H)
IC 2nd XV	vs Thames Poly	26-0(A)

Hockey

IC Ladies XI	vs Charing Cross	
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Badminton

Ladies VI	vs QEC	7-2(A)
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Rugby

Firsts

We were fortunate to be hosts to Technico Lisbon, the champion club of Portugal last season. We were afforded this opportunity thanks to our Portuguese scrum half José Paixão.

The match was played in a highly competitive spirit, this was shown by the number of injuries suffered on both sides. Unfortunately our hooker was taken to hospital five minutes into the match, and along with our two UL players missing, the team was slightly below strength.

Suffering from this disorganisation we conceded all 25 points before half-time, but rallied splendidly to come back strongly.

In the bar we entertained our guests with a few songs, but unfortunately they didn't share our taste for English beer. We were presented with a shield from their club, engraved with the date and our club name.

We look forward to seeing them again in Portugal at Easter.

Team: *S. Johns, R. Downs, A. Davies, P. Harde, O. Miles, S. Thompson, J. Paixão, D. McGee, W. Aston, W. King, A. Warby, P. Verity, C. De Rohan, M. Ball, P. Richards. Res: A. Marks.*

Seconds

Yet again the Seconds had to travel by BR to reach their opponents ground. This time it was Thames Poly at Well Hall.

Even though IC were under heavy pressure in the first ten minutes of the game, we were the first to score, through a dropped goal by J. Symes.

Even though, for the first time this season we had a proper referee, it didn't seem to make much difference apart from the amount of times we were penalised in the line-outs.

As in all of the matches this season the defence was very good. Credit must go to the centres and the back row, who were always there when they were needed.

The final score was 26-0, thought it should really have been more.

The points were scored by: J. Davies (IT), A. Ralph (2T), M. Winsor (1 pen), J. Symes (ITIDG).

Team: *Hutton, Cole, Bell, Carr, Henderson, Davies, Pearce, Winsor, Brummel, Flynn, Pike, Symes, Weir, Eastlands.*



Football

IC I REVUE CUP MATCH

Act I

Rickard
Rickard
Dean

Lay

Act II

Rickard
Carr
Rickard
REEVE (P)

Lay

Epilogue

ICI 9 UCHI 0

Curtain Across (Showers!)

CAST: *S. Veats, M. Curran, D. Griffiths, K. Reeve, S. Dunhill, J. Lay, P. Nicolls, A. Page, D. Dean, M. Carr, G. Rickard.*

Squash

The first of the ULU League matches have now been played and the results are as follows:

IC I	vs Middlesex Hosp 1	1-4(A)
IC 1	vs Guys Hosp 1	2 ¹ / ₂ -2 ¹ / ₂
IC 2	vs Middlesex Hosp 2	2 ¹ / ₂ -2 ¹ / ₂
IC 3	vs LBS	5-0(H)
IC 3	vs City Univ 2	4-1(A)
IC 4	vs St Marys Hosp	1-4(A)
IC 4	vs Westminster Hosp	4-1(H)

If any squash players wish to join the club they should contact John Pelton (Capt) Civ Eng 3; Dave Molesworth (Treas) Min Eng 2; or, Jacky Chandler (Sec and Ladies Capt) Biochem 3. Total cost of membership is £5.50. The booking sheets for Monday evenings and Wednesday afternoons and evenings are posted up at 5:30pm, one week in advance and are on a first come first served basis. With respect to matches team members are requested to indicate availability as early as possible.

Volleyball

IC Volleyball Club played their first match last Wednesday against Tottenham College. The Tottenham team, who arrived an hour late, must have regretted turning up at all as IC took the first set 15-3. Imperial looked far superior to their opponents and the second set followed almost as quickly, the score being 15-8. Tottenham managed to raise their game at the start of the third set however, and some sloppy play by Imperial allowed them to take a 7-1 lead. After a time out, called by Captain-on-Court P. Ronge, IC backed themselves up and after a great fightback narrowly lost the set 15-12. In the fourth set IC reasserted themselves to win 15-8 and so finished three sets to one winners.

Thanks to Lech for refereeing and Silvana for scoring/supporting.

Team: *P. Walker, A. Green, P. Dias-Lalcaca, A. Adebajo, X. Christodolou, M. Lam, P. Ronge, M. Young.*

X Country

Tasso Asteraides took the UL running scene by storm last Wednesday, by winning the first London Colleges League race of the season, at Parliament Hill. He completed the muddy five and a half mile course in a staggering twenty-seven minutes fifteen seconds to win easily by forty to fifty yards.

Perhaps even more important is the fact that we had a magnificent turn out of sixteen runners including, for the first time, a ladies team. These people make the team just as much as the winner and just as in previous years, with the wins of Steve Kirk and Evan Cameron, this result will surely improve the overall standard of the club.

Other creditable performances came from Andy Britton in the mens race (34th) and Sarah Pearson in the ladies (ripping the field apart to come 17th). A special thanks also to Nicola who, despite cycling all over London first, came a creditable 31st.



Badminton

The ladies have had a very encouraging start to the season, winning both their matches against QEC (A) and LSE (H), 7-2 and 6-3 respectively. Thanks to all who played: Barbara, Lesley, Andrée, Karen, Jan, Alison and Fiona.

The EGM will be held in the Great Hall on Monday, November 9 at 7:30pm. On the agenda will be election for Hon Treasurer. Papers are up on the club noticeboard for this position. Please make a special effort to turn up.

Consistent team performances have led to defeats of Barts I, Kings II and LSE II and have placed Mens III at the top of the UL Badminton League Division III.

Team: *Martin, Nick, Ted, Jim, Peter and John.*



Rugby

Firsts

This match can be summed up in one word: "disappointing". Having struggled hard to keep scores level at 3-3 at half-time we kept up pressure into the second half only to let a stupid run-away try leave us trailing 9-3 and eventually losing 12-3.

However with the great amount of effort put in and some thoughtful rugby being played I am confident of a positive result in our Gutteridge Cup clash against Royal Holloway on Wednesday, November 4.

Team: *P. Eastland, R. Downs, A. Davies, P. Hardee, O. Miles, M. Simmons, S. Johns, J. Davies, W. Aston, W. King, A. Warby, P. Verity, J. Manzoni, C. De Rohan, P. Richards.*

Seconds

For the second time in two weeks IC Seconds travelled down to Cobham, this time to play Charing Cross Hospital Second XV.

The team were in high spirits after several impressive wins and this resulted in two quick

RESULTS

Saturday, October 31

Football

IC 1st XI	vs UCH 1st XI	9-0(H)
IC 2nd XI	vs Guys 2nd XI	5-1(A)
IC 4th XI	vs Royal Holloway 2nd	5-4(A)

Rugby

IC 1st XV	vs Charing Cross 1st	3-12(A)
IC 2nd XV	vs Charing Cross 2nd	34-0(A)
IC 3rd XV	vs Charing Cross 3rd	26-0(H)

Hockey

IC 1st	vs NPL	2-4(H)
IC 2nd	vs NPL	0-2(A)
IC 3rd XI	vs High Wycombe	1-9(A)
IC Ladies XI	vs Guys 1st XI	5-4(H)

Badminton

Ladies VI	vs LSE	6-3(H)
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Sunday, November 1

Mixed Hockey

IC	vs RHC	4-2(A)
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tries by Andy Ralph and Roger Flynn; both converted by Mick Winsor. At times in the first half Charing Cross looked quite dangerous on the break but some fine defensive play by the IC backs and good mauling from the forwards set up two more tries for Tim Carr and John Weir.

The best try of the match came at the beginning of the second half with nearly all the forwards touching the ball before Mark Pearce crashed over the line.

Persistent pressure by the team produced another try for Andy Ralph and the match was rounded off by two more tries from fly-half John Weir.

The best try of the match came at the beginning of the second half with nearly all the forwards touching the ball before Mark Pearce crashed over the line.

Persistent pressure by the team produced another try by Andy Ralph and the match was rounded off by two more tries from fly-half John Weir.

IC Seconds have now not conceded a point in four matches. Final score: IC 34 Charing Cross 0.

Team: *Bell (Capt), Cole, Hutton, Henderson, Carr, Pearce, Ralph, Magee, Winsor, Weir, Poultney, Pike, King, Flynn, Thompson.*

Thirds

Due to the injury problems in the first and second teams the Thirds were left two players short, but as it happened Charing Cross arrived an hour late with twelve. Meanwhile during the wait, the B2's had "borrowed" two players. Consequently, a very fast running game was played with IC dictating the speed of play. Charing Cross could not tackle fast enough to prevent six tries being run in. Each try was the result of continued looping, switching and support play between both the backs and the forwards. The IC pack, although picking up good loose ball were handicapped in the tight by not having a recognised hooker. Only one of the six tries was converted because again IC had no kicker.

It must be emphasised that it was a team performance in which every member of the team played rugby as it should be played. The Charing Cross skipper summed it up in the bar later "Why don't more people play third fifteen rugby?"

Scorers: A. Marks, P. Bateson, D. (Put It Down), O'Docerty, P. Hughes-Narborough,

M. Sheppard, I. Mountadon.

Team: *M. Sheppard, J. Poultney, Bill, I. Mountadon, P. Hughes-Narborough, A. Marks, S. Kirby (Capt), A. Chalkin, J. Atkinson, P. Bateson, D. (Put It Down) O'Docerty.*



Football

Fourths

IC Seconds watch out! The Fourths quickly overcame the disappointment of last Wednesday's defeat with an encouraging first-round Cup win at Royal Holloway.

The game started badly when, against the run of play, Holloway scored two goals, but this only inspired the Fourths to a greater effort. Dave McPhail went close to scoring on several occasions and then, with the goalkeeper beaten, a Holloway defender desperately stopped the ball with his hands. Rich Dolan's shaking knees proved no handicap as his crisply struck penalty kick gave the keeper no chance.

Almost immediately Holloway restored their two goal lead with a slick attack, but the Fourths fought back bravely with goals from John Rigby and Dave Hardy. Just before half-time, Rich Heath inadvertently knocked a low cross into his own net, but made amends in the second half with an aggressive contribution.

Holloway rarely penetrated the IC back four of Heath, Chown, Savage and Kindred, who had indicated earlier his ball winning technique by tackling a lamp post with his head.

Dave Gladman, Rick Dolan and Dave Hardy prompted from midfield until John Rigby scored a well deserved equaliser. The goal that clinched the tie came from Mick McNicholas when he curled the ball over the goalkeeper from twenty-five yards.

Holloway's final attempts to save the game were foiled by solid defensive work and some excellent goalkeeping by Andy Slater.

Team: *Slater, Savage, Heath, Chown, Kindred, Gladman, Hardy, Dolan, McPhail, Rigby, McNicholas.*



Hockey

Ladies

On Saturday, October 31, in the first round of the UL Cup, IC certainly earned their 5-4 victory over Guys 1. With only nine players against ten we were soon very tired and were under a lot of pressure from their forwards, who were very organised in the first half. However, a couple of shots from Alison Crumbie meant we went 2-1 up until our captain levelled the score by a nicely placed home goal.

Our defence was much improved at the start of the second half and our third goal came from the centre half, Sara Halbard, as a result of a coordinated move with the forwards. Guys pulled it back to three all, but two more attacks made it 5-3 to IC, the two goals coming from Karen Barnett. By this time there was still twenty minutes of play left and both teams were very tired. Guys were determined to win and made it 5-4. The final minutes saw our goal under a lot of pressure but some brilliant keeping by

Alison Coates and defence work by the backs meant we held our lead to make the final score 5-4.

Many thanks to the whole team for putting in so much effort.

Team: *A. Coates, A. Crumbie, S. Halbard, C. Brown, C. Walker, J. Birbeck, M. Buchanan, R. Mason, K. Barnett.*

Firsts

IC soon went down to a well taken goal by the opposition. Under considerable pressure, we conceded another goal due to an error by the goalkeeper. Fortunately, an excellent goal by Bansal reduced the deficit to one goal at half-time (despite John Clarke's efforts to put the ball into his own net).

In the second half, the Firsts looked good enough to equalise, but NPL managed to snatch another goal from a short corner. Our spirits were lifted briefly as Bansal again buried the ball deep into the opposition's net. NPL gained their final goal after a lucky deflection wrong-footed the defence.

Team: *Butler, Coatesworth, Riley, Franklin, Parker, Clarke, Rao, Gray, Ayers, Bell, Bansal, Bateson.*

Seconds

The day got off to a bad start, with the seconds sniggering at their captain's inability to remember where he had left the shirts. However, once this problem had been sorted out, after scouring half of West London, the team made it to Teddington without further trouble. At this point, the team's confidence in their leader dropped still further as a 'short cut' to the sports ground ended up at a ten foot high wire fence.

In the match itself, goalkeeper Rolf Slatter, playing like a cross between Evel Kneivel and the Kirov Ballet, kept us in the game with a series of brilliant saves. Despite brave defensive work, the team conceded its usual goal just after half time. The match then followed the familiar pattern for this season with IC totally dominating the opposition without creating any clear-cut chances, and finally conceding a second goal to an NPL breakaway. Despite the fact that their captain did something to salvage his reputation by actually getting a shot on target late in the game, the team never really looked like pulling back the two-goal deficit. Thanks are due to Andy Whitehead for some excellent umpiring and to Pete Hughes for keeping quiet!

Team: *Slatter, Rampton, Pitkethley, Bird, Roessink, Stroomer, Garms, Hughes, Farmer, Wylie, Mahers.*

Thirds

IC Thirds put up a valiant display of exhaustion at the end of a tiring 9-1 defeat, every member managed to down at least one pint just to show how tired they were. Despite the scoreline it was a good performance by IC, who played with three players missing in the first half, managing to keep the score down to 3-0. In the second half IC gained a player but having run so much in the first half, creating a couple of scoring chances, they were unable to match the opposition who went on to score another six goals. IC scored a consolation goal through Ed, this was most amusing as only Ed knew what was happening with the opposition standing still.

Team: *C. Jones, S. Williams, T. Stocking, B. Shindler, E. McGuire, C. Cattell, T. Allan, M. Taylor (Captain)?, G. Jamieson.*



Very little to say this week except that I'm beginning to find a lot of the contents of FELIX quite tedious. Is it boredom or merely me feeling absolutely knackered at the end of another sixty hour week? Either way, a few warnings.

Firstly, don't bring in any old crap, scribbled half legibly on a piece of bog paper and expect me to clasp my tiny hands together and thank you. I won't. It will be thrown in the bin whether it is before the copy deadline or not.

Secondly, how about some more interesting letters? Forget about Tony Benn and Frank James and concentrate on some topics closer to home. Isn't there anything around College that really gets your goat?

Thirdly, to include all sports reports and "clubs and society" articles they must be no longer than two hundred words—shorter if possible. I will discard the largest articles first—hence I'll disappoint fewer people.

And finally nobody has a right to expect to have anything they bring in included necessarily. If it is crap it will be dumped. Anything I find more interesting and amusing will take priority.

End of meglo bit. Gripe, wince, gripe.

25th London Film Festival

I wouldn't like to wager how many of you cultureless slobs have decided to take advantage of the 25th London Film Festival. This started on Tuesday and continues to November 22. There are over one hundred and twenty-five films from forty-nine countries, with up to six screenings daily. Some tickets are still available so hurry along to the box office now.

Rag Week

Just as you've all settled in and are getting down to work, what pops up? Rag Week is traditional good sport, so why not go along to a few events even if you're up to your ears in work.

I must make an appeal on behalf of the Rag Chairman (whose article I had to unfortunately drop).

There is an Inter-Hall Rag Collection on Saturday, November 14, but our dear Rag Chairman, William Durodie still needs to see a representative from each Hall and House to organise distribution and collection of cans. Contact him via IC Union Office. (People not in Hall can collect and return cans to IC Union Office on the day.)

Credits

My thanks once more to Eddie, Martin S., Lesley, Jane, Paul, Steve, J. Martin, Dave, Rich, Stewart Little, Richard Beresford, Maz

To the new recruits Nikki Triscott, Paul Markwell, Geoff Evans, Mike Sullivan, Adrian James, Mike James and Mike Richards welcome and thank you.

Finally to the unsung heroes who collate every week, even though the credits are normally done and they're not in again: Mo (of radio show fame), Jes, Ramzi, Chrissie (treasure) and especially Izy. You're all wonderful!

ACCOMMODATION

- Double flats available in Lexham Gdns, £37pw.
- Flat for 3 in Lexham Gdns, £62pw.
- Flat for 4, Hamlet Gdns, £58pw.
- Flat for 2, Shepherd's Bush, approx £60pw inclusive.

For further information please contact Student Services.

•For sale: Hillman Imp, F reg, MoT till May, good running order, £200. Contact Jo on int 2232.

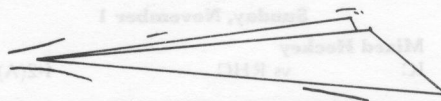
FANTASTIC KNITWEAR SALE!

Monday 9 November

11:30am — 2:30pm

JCR

Aerosoc Paper Darts Competition



on Thursday, November 12 at 12:30pm in Beit Quad. Two prizes:

1. Max. Distance; 2. Max. Endurance
- Materials: paper (inc. computer cards), sellotape, glue. NO BALLISTICS. Max. wingspan and length: 2ft.

Aircraft must land in Beit Quad. The judges decision is final and competitors are to comply with the directions of the marshalls.

Cost: 10p a go, first 2 goes—5p after that

SCARAMOUCHE

I went round to visit Weatherspoon the other day. He's getting rather old now, and finds it difficult to get out and visit his friends, and the best way for him to keep in touch with them is by telephone. At least it would be if only he could remember his number.

'I know it has five digits,' he told me, 'but I can never be quite certain what they are. Let me see, is it

- 12451 ?
- or 21853 ?
- or 34133 ?
- or 44901 ?
- or 51865 ?
- or 69635 ?
- or 77984 ?
- or 82601 ?
- or 97120 ?
- or 07980 ?

'Well would you believe it, I really have no idea which is right.'

The obvious thing seemed to be a quick look in the directory which revealed that each number that Weatherspoon had given me had just one digit correctly placed.

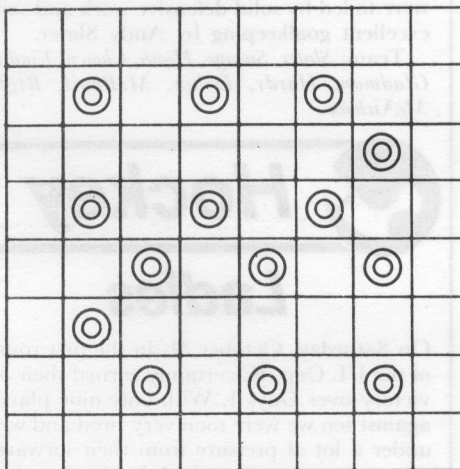
What is his number?

Solutions, comments, criticisms to me at the FELIX Office, please. The usual prize of £5 (donated by Mend-a-Bike) to the correct solution randomly selected next Wednesday at 1:00pm.

Last Week's Solution

Fourteen missiles are sufficient, as shown in the diagram. Of the four entries, that of Chris Brannick, Maths 1, was chosen for this week's

prize. Showing that fourteen missiles are sufficient is averagely difficult; proving that fourteen are also necessary (i.e. that thirteen are not enough) is much trickier. I leave this as an exercise for the reader.



That Code...

...which seems to have caused more sleepless nights than anything I've ever set. Most people realised that, since the proportion of vowels to consonants was about the same as in normal English text, solving the code is (simply) a matter of rearranging the letters into the correct sequence. The obvious way to do this is to write them out in the horizontal rows of a rectangle, and then to read down the columns. Whether you take a 19x9 rectangle, a 57x3, 3x57 or whatever, this method does not work. Now mathematicians should have spotted

that 171 (the number of letters in the message) is a triangle number i.e. the letters can (and, of course must) be arranged in a triangle. Not all of you are mathematicians, however, so I gave you a subtle hint which caused as much confusion as the rest of the puzzle. Still, the key is there, quite plainly: try rewriting it all normally. Good luck everyone!

Two people solved it. Congratulations to Gary Meyer, Math 3, who won, and commiserations to N.A. Probyn, who didn't.

Finally, as a bonus puzzle for masochists, can you identify the source from which the decoded paragraph was taken? Answer next week.

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vapoursofhergownf
ellsoftupontheland

EXEC NEWS

HAVE YOU WRITTEN TO YOUR MP YET?

DRAFT LETTERS AND LISTS OF CONSTITUENCY MP'S
ARE AVAILABLE IN THE UNION OFFICE, JUST FILL
IN YOUR NAME AND ADDRESS, SIGN IT AND WE'LL
POST IT FOR YOU.



HOUSE OF COMMONS
LONDON SW1A 0AA

22nd October, 1981

Dear Mr Morton

Thank you so much for your letter. From its format, I imagine I may be receiving other copies of it. The Chairman of the UGC made very clear in the letter to 'The Times' recently that in fact there was going to be an expansion in both the quantity and quality of science and engineering in higher education, in contra-distinction to your letter. I acknowledge that, while there is significant expansion of a sizeable number of institutions, the UGC have decided, for their own reasons, to make cuts at the universities you quote, though my understanding is that those cuts have partly arisen because, while you describe them as technological universities, a reasonable proportion of their work is in other subjects and with very low entrance requirements. It is understandable that the institutions concerned have publicised their dismay, but it is quite wrong to gather from it that the UGC are cutting back on science and engineering, when in fact they are doing the opposite.

Though I have had representations from Kings' and the City University about the UGC decisions, I have had no representations at academic level from Imperial College and I am, therefore, taking the initiative of raising with Lord Flowers the points you make in order to see the College's official reaction. It had been my impression hitherto that Imperial had done reasonably well out of the statement.

Yours sincerely
Peter Brooke

Peter Brooke

N. Morton, Esq.,
Linstead Hall,
Princes Gardens,
London, S.W.1.



IMPERIAL COLLEGE UNION

President: Nick Morton
Deputy President: Barney McCabe
Honorary Secretary: Marco Ledwold

Prince Consort Road
LONDON SW7 2BB
Tel: 01 589-5111 Ext: 1040/2/3

Mr Peter Brooke, MP
House of Commons
Westminster
London SW1

28 October 1981

Dear Mr. Brooke,

Thank you for your letter of 22nd October about the effect of Education Cuts on Imperial College. Although I was writing to you as an ordinary constituent I may as well come clean and admit to being President of the Union. You will recall we have met.

When we met we discussed Education cuts in general. The letter we are sending to constituency M.P.'s is more specific to Imperial College. I thank you for taking an interest in our College and I hope you will contact Lord Flowers to gain some idea of the effect of a 17% cutback in finance over the next three years. For your preliminary information I enclose a copy of the Rector's address made at our Commemoration Day last week.

I note your reference to the Chairman of the UGC's letter in the Times and whilst I accept there has been an increase in the quantity of science and engineering education, I hope you will begin to appreciate that the quality will be dropping at a premier science and engineering institute, namely ours, due to the financial cutback.

Please do not hesitate to contact me for more information.

Yours sincerely,

Nick

NICK MORTON
President
Imperial College Union

No instruction contained herein constitutes an order for goods or services unless accompanied by an official Union Order Form. Payment will only be made against invoices quoting the official order number.

IMPERIAL COLLEGE
UNION GENERAL MEETING
TO BE HELD ON 10th NOVEMBER, 1981
IN THE GREAT HALL AT 1.00 p.m

A G E N D A

1. Minutes of the last meeting
2. Matters arising from the minutes
3. President's Business
4. Deputy President's Business
5. Honorary Secretary's Business
6. CCU Reports
7. Returning Officer's Report
8. Other Officers' Reports
9. President of the National Union of Students: Dave Aaronovitch
10. Motions:
 - The Rag Mag
 - NUS
 - ULU Cards

2. Parking Permits.

All Parking Permits have been allocated and there is no way I can "squeeze" any more people into the car park. These people who have been awarded permits must collect them before Friday 13th, otherwise they will be allocated to somebody else.

3. Elections.

Papers are up for the posts of:-

Felix Business Manager
Entertainments Officer & Publicity Officer
Alternative Prospectus Editor
2 Ordinary Members of the Academic Affairs Committee
Secretary of the Academic Affairs Committee
2 Ordinary members of the Union Finance Committee
2 First Year Members of the Permanent Working Party
2 Ordinary Members of the Permanent Working Party

Anyone wishing to stand for these posts should put their name up on the papers in the Union Lower Lounge together with signatures of the requisite number of seconds.

PRESIDENT'S REPORT.

Education Cuts.

At the time of writing about fifty letters have been sent to M.P.'s. About ten replies have been received and three of these were encouraging. One suggested the M.P. interviewed the student concerned, one said he would take it up with the Secretary of State, and one indicated he was unaware Imperial had been badly hit and that he would seek more information from the Rector. So there is ground to be gained from these letters. Copies of the letter will be available at this meeting for you to send.

I would also remind you all to let me know of any obvious cutbacks which occur in your departments. I have received a copy of a petition from a group of postgraduates in Biochemistry outlining the economies being made in practical teaching to undergraduates in their department.

A joint Queen Elizabeth College - Imperial College Working Party has been set up to investigate the possibility of collaboration between the two colleges.

The AUT are organising a Day of Action on November 18th. This is being supported by most London Colleges. I would urge you all to take part. There is a march leaving Chelsea College (Manresa Road, SW3) at 12.30 and marching to the Commons. We may be able to arrange to join it en-route if people have lectures up to 12.30. However, I will be there at the start and I would like to see a lot of you out there.

Montpelier Street.

Tomorrow there is a meeting of the Students' Residence Committee at which I will be presenting a paper requesting a rent rebate.

Refectories.

We have conducted a survey of people eating in the refectories. At the time of writing we have not compiled all the data. I would still like to hear comments from the people who do not use the refectories.

Bars.

As mentioned in Felix last week Courage Directors is replacing Adnams as the guest ale. Its price is being held down to 50p a pint.

The October discount period for draught bitters was certainly a success from the drinkers point of view. There is a Bar Committee meeting tomorrow, when I hope we can find out how successful it was from the bars' point of view.

HONORARY SECRETARY'S REPORT.

1. Commemoration Ball.

The Ball was a tremendous success and I would like to thank everyone who helped me make it so, especially the wine waiters and the people who helped set up the JCR on the day and extra thanks to those who helped me clear up afterwards; an unenviable task at 3 o'clock in the morning.

MOTIONS

MOTION ON 'BANNING THE RAG MAG'.

Proposed by: Bill Durodie
Seconded by: Rag Committee.

ICU Notes:

1. Rag exists for collection for charities to help deprived and handicapped people.
2. That a Rag Mag is not designed to be anything more than "students humour".
3. That the Mag will only be sold to students on campus.
4. The great loss of money which would result from the banning of the Rag Mag, and the subsequent detriment to charitable causes.

ICU Believes:

That the intent of this Rag Mag is not to mock people, but to amuse people (albeit broadminded ones).

ICU Resolves:

To sell this Rag Mag, and make money for charity in so doing.

PROPOSED AMMENDMENT TO MOTION "BANNING THE RAG MAG".

Proposed by: S. Goulder on behalf of SCC

Delete ICU Notes and insert:-

ICU Notes:

1. The Rag Mag contains "jokes" offensive to the handicapped and the suffering, and racial jokes with violent undertones.
2. The "jokes" mock victims of the Yorkshire Ripper.
3. The "jokes" cause offense to holocaust survivors and the relations of holocaust victims.

Delete ICU Believes and insert:-

ICU Believes:

These "jokes" have no place in any student publication.

Delete ICU Resolves and insert:-

ICU Instructs:

The Rag Committee and ICU Executive to withdraw the Rag Mag from sale and circulation.

MOTION CALLING FOR THE REFORM
OF THE NECESSITY OF ULU CARDS.

Proposed by: S. Little
Seconded by: P. Barnes.

ICU Notes:

1. That a ULU Card is required for London University Students to attend ULY events and use London University facilities.
2. That an I.C. Union Card or any other University of London College Union Card will not be accepted in lieu.

ICU Believes:

That a Union Card from any London University College should be acceptable as an equivalent of a ULU Card for any purpose.

ICU Instructs:

The I.C. representatives on the General Union Council of ULU to campaign for the state of affairs outlined in 'Believes' above and propose a motion to this effect at the next GUC meeting.

MOTION ON NUS.

Proposed by: Jon Stanley
Seconded by: Philip Nathan.

ICU Notes:

- i) That it is 3 years since the last referendum on membership of the National Union of Students.
- ii) That NUS has more than a million members in the U.K.

ICU Believes:

That discussion should be promoted on the advantages and disadvantages of NUS membership.

ICU Resolves:

To give all members of the Union the opportunity to express an opinion on whether or not the Union should affiliate to NUS by holding a referendum.

ICU Instructs:

The Executive in consultation with the proposers to make arrangements for a referendum.

NEXT UGM

TO BE HELD ON DECEMBER 1st
IN THE GREAT HALL AT 1.00 p.m.

DEADLINE FOR MOTIONS TO APPEAR IN FELIX
12.30 FRIDAY, 27th NOVEMBER



Athletes Full Range Southside
of footwear, Rackets, clothing etc.
v. competitive prices for
good quality makes -
Slazenger, Dunlop, Adidas,
Fred Perry etc



Sells Sportswear!

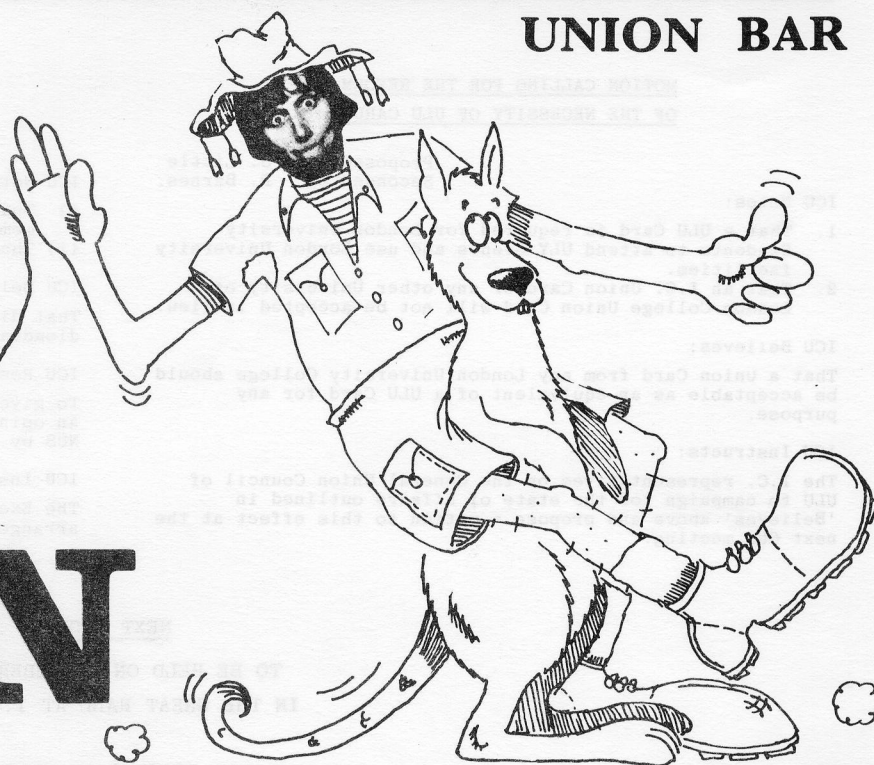
Also - I.C. + R.S.M. Regalia

Now sold at Southside Shop

TOP81

**STUDENTS ARE NEEDED TO WORK IN
THE SOUTHSIDE SHOP BETWEEN 12:30
AND 2:30 ON WEEKDAYS. PUT YOUR NAME
UP ON THE ROTA IN THE UNION OFFICE. GOOD PAY.**

UNION BAR



SWAN LAGER

**THE GREAT
AUSTRALIAN BEER**

**AUSTRALIAN BAR NIGHT
FRIDAY NOVEMBER 13th
CHEAP SWAN
DRESS: CORKED HATS AND KHAKIS**

Work your way up to a Director.

**NOVEMBER GUEST ALE
DIRECTORS**



**50p A PINT IN SOUTHSIDE
AND UNION BARS**