



Founded in 1949

The Newspaper of Imperial College Union

QEC Merger

A fourth CCU?

In a statement issued on Wednesday, the joint working party set up to examine closer collaboration between Imperial College and Queen Elizabeth College recommended that the colleges should form an "association with the intent of a merger at a later date".

The working party was set up about one month ago and has met regularly during November. The proposals are presented in the form of a draft for discussion within the colleges. No decision will be taken until full consultations have taken place.

The main theme of the proposal is that QEC should be incorporated into IC as a fourth constituent college. The bioscience part of QEC is proposed to be physically moved to the IC site, which would require a new building (probably on the site next to new Chemistry). The physical sciences at QEC would be "accommodated elsewhere within the university".

Joint planning and consultative committees are to be set up to achieve a closer working relationship prior to the eventual merger. The timescale of the proposal is approximately five years, but major developments might be expected before that time.

The proposal is in response to the problems of finance and student numbers facing London University. It is not clear however just what financial savings will be made, and no mention is made of this in the statement. Student numbers would presumably fall, although the new 'super IC' would be larger than it is now.

A petition calling for an Emergency UGM to discuss the matter was received in the Union Office yesterday. The External Affairs Committee is meeting at 5:45pm on Tuesday, December 8 in the Union Office to draft a motion to the emergency UGM

Rag Mag Reprieve

ICU's Rag Mag is once again available after last Tuesday's UGM decided to overturn a previous decision banning it.

The meeting opened shortly after 1:00pm with about 400 people in the Great Hall.

Mr Nick Morton, ICU President, talked at length during his report about the proposed merger with QEC, and how he had managed to appease College.

Mr Barney McCabe, Deputy President, in his jovial manner, took his trousers down, and then explained his enjoyment equation. This was greeted with applause, proving that he can be quite witty in flashes.

The Hon Sec, Mr Marco Ledwold, had his report ac-

cepted.

The motion on Princess Anne, concerning her attendance at a mauling of a buffalo by a tiger, was passed.

The motion on the Rag Mag was considered next. Because of a UGM decision last session restricting discussion of any matter to once a term, the motion contained clauses overcoming this difficulty. After much procedural wranglings and a futile attempt to force a paper ballot, it was finally decided to permit the Rag Mag's publication to students only. Mr Patrick Coll, Rag Mag Editor, told FELIX later that he was happy with the decision.

College to take blacks without A-levels

College reacts to Scarman Report

Daily Mail, Monday.

Imperial College has taken up the call by Lord Scarman for positive discrimination in favour of Britain's under privileged ethnic minorities.

In an article in Monday's *Daily Mail* Lord Flowers said that he expected about six special students a year to be taken on for degree courses, starting next October. These will be people who are unable, through no fault of their own or lack of ability, to qualify for a place at Imperial. "They might have some mediocre A Level passes or they might not have any A Levels at all. We have carefully not talked about colour, but clearly it is a scheme to benefit black students from places like Notting Hill and Brixton. We are going some way towards correcting the lack of privilege some students have had in the past," he said.

Although the College has been thinking for some time of ways to help people who normally would be unlikely to get in, the Scarman Report has obviously precipitated developments to get the College to "do their bit".

Lord Flowers said that he hoped the move would encourage other universities to carry out similar schemes for deprived children.

College Secretary John Smith said "But we're not looking for token blacks or anything like that. We don't need them. We want to try and take up what Lord Scarman said and try to do something positive about it."



Gunning for Mr Mooney
Refectory Survey Results
see page 6.



Dear Sir

Professor Hartley's RCS Centenary lecture entitled "RCS Leads Into Biotechnology" last Thursday illustrated a number of aspects of this exciting field in which several departments of the College are involved. The presence of an executive from the new British biotechnology company Celtech was an indication of industry's new found and highly justified enthusiasm for the new technology.

The Imperial College prospectus clearly states that the central function of our College is to serve industry. This should be accomplished by directly solving current problems or creating new areas of basic knowledge. Professor Hartley was careful to point out the growing links between industry and biologists. What he failed to mention was that he is currently negotiating the sale of one of the Colleges' most valuable resources to industry (see last week's *New Scientist*).

Those in the field realise that the possession by Imperial College of an excellent fermentation pilot plant gives us the ability to truly lead in biotechnology. The new companies also see the need for such a facility. It seems likely that industrial money will shortly begin to flood into the coffers of the pilot plant irrespective of who owns it. The disadvantages of industrial ownership of the pilot plant are clear. The College effectively loses control. Basic research will undoubtedly

suffer and researchers will inevitably be forced to the back of the queue, whilst there are undoubtedly some short term advantages of industrial ownership such as investment capital and dynamic commercial management, the long term effects will inevitably be damaging.

The principle of selling profitable chunks of universities off to industry is in itself a dangerous one. Given the right sort of management I am sure the Southside Halls could be an immensely profitable hotel!

I sincerely hope the College authorities will seriously consider the full implications before taking such a dangerous step.

Yours
Nick Green
Botany

Dear Mark

Is Mr Hicks trying to pull the wool over our eyes concerning the pricing of books in IC Bookshop? The Bookshop Manager stated in his letter to FELIX last week that "The price of a book is set by the publishers; by law, the Bookshop has to sell it at that price." This is only true for "net" books.

If a book has a price printed on it, or a price sticker placed on it by the publisher, then it is referred to as a "net" and must be sold at the stated price. A bookshop makes its profit on "net" books by receiving a discount on the net price from the publishers, which can be as high as 40% (i.e. up to 40% of what you pay would go to the bookshop).

However, there is also a class of book referred to as "non-net". These usually have no price printed on them by the publisher, and if a book has a price written inside the cover in pencil then it is more than likely a "non-net" book. In general, "non-net" books tend to be educational/text books and therefore many textbooks required by IC students come under the "non-net" category (particularly "student editions"). The discount received by bookshops from the publisher on the "non-net" price is usually much lower than for "net" books, and while I was

working for a firm of book contracts (who run a number of bookshops) this was typically 12½%.

The "non-net" price is *not* compulsory, and indeed is not usually charged. Because bookshops receive a smaller discount on "non-net" books they usually price these higher than the "non-net" price. (The firm I worked for charged 10% on top of "non-net" price.) The additional charge, however, is up to the particular bookshop concerned.

Books that have to be bought by bookshops from foreign publishers (e.g. the US) are also classed as "non-net" in this country, and bookshops sometimes add as much as 50% into the price (after conversion to sterling) in order to cover costs incurred by payments in foreign currency.

I would be interested to learn what Mr Hick's pricing policy is with regard to "non-net" books, both from UK and foreign publishers.

Yours sincerely
Julian Richardson
Chem Eng 4

PS: Through becoming a member of "McGraw-Hill Chemical Engineers Book Club" in the US, I have bought many engineering and other books at *half* the price charged in IC Bookshop.

Dear Mark

It was with some concern that we read Simon Shaw's letter last week about the irresponsible games played with a fire extinguisher. This is not the first time an extinguisher has been unnecessarily discharged this term.

We would like to remind your readers that these games are not fun—they are dangerous. A missing or empty fire extinguisher can obviously turn a controllable fire into a major disaster.

Finally, it should be noted that unnecessary discharge of a fire extinguisher is against the law of the land and is punishable by a fine of up to £1,000.

Please, dear students, act responsibly.

Yours
The IC Union Executive

Dear Sir

From the letters, comments and general attitude around College over the last couple of weeks, I get the impression that a lot of people in this College have little or no idea what the "God Squad" believe. They seem content to cast us all into their own stereotype and then insult, deride and generally despise us (and looking at the stereotype I'm not really surprised!).

The point is that most of us don't fit into this mould; people seem genuinely surprised to see a Christian playing pinball, or having a drink in the bar. Now it may be that they are happy with a grossly inaccurate idea of a Christian, and if that's so, then fair enough; but this is a College full of intelligent people, and someone must want to know more, purely from the point of view of fair-mindedness. If they do, I'd be happy to have a chat some time, and they can find me through the Mech Eng letter-racks. I don't want to preach, I just want to explain.

Yours openly
L. Mercer
ME2

Dear Mr Smith

I was shocked and disgusted to hear that for the past five years I have been inadvertently consuming the flesh of our sacred animal, the cow, in Mr Mooney's refectories.

Mr Mooney has not given any explanation or even an apology for this outrage. I don't believe he realises the seriousness of his blunder (if indeed it was a blunder). As a devout Hindu I have spent my whole life following the teaching of our prophets in our holy books. Now I realise that all my fasting, praying and strict observance has all gone to waste.

Thanks a lot Mr Mooney, you've really buggered up my chances of heaven!

Yours disgustedly
Larjaf Tabug

Dear Sir

Am I the first person to publically reveal that *Barney McCabe* is really an anagram for *Crabby Menace*?

Yours
C. Humphries

Weinberg forces fill Physics

Approximately 300 people packed Physics Lecture Theatre 1 on Tuesday to hear Steven Weinberg, Professor of Physics at Harvard and Nobel Laureate (1979) give a lecture on prospects for further unification in the theory of elementary particles.

Imperial College's Professor Abdus Salam (who won his Nobel Prize jointly with Weinberg) was in the chair.

The talk was of a highly theoretical nature; two of the main problems being accelerating particles to energies of around 10^{19} GeV and observing events which only happen once every 10^{32} years in an atom. Currently the former is impossible, while attempts are being made to study the latter in several locations in America, by observing thousands of tonnes of water.

The most disappointing aspect of the event was that the venue was too small, and it had been poorly advertised. With a little more effort, even the Great Hall could have been filled.

Heinz spills the beans!

On Monday Wellsoc presented a talk by Heinz Wolffe, best known to the public for his appearances in the BBC's 'Young Scientist' and 'Great Egg Race' series. The lecture was entitled 'Tools for Living', and concerned the work done by Mr Wolffe and his colleagues at the Clinical Research Centre at Harrow, and others, in producing devices to enable the elderly and the disabled to live fuller and more independent lives. Mr Wolffe considers that the increasing spending power of the elderly, coupled with their higher expectations of living standards, will have as large an impact on commerce as that of teenagers in the 1950s and 60s. This development will involve job creation and will also increase the resources devoted to the needs of the young disabled.

Next week, Wellsoc present a talk by Jim Francis, who is a member of the BBC Special Effects department and has worked on programmes such as 'Blakes Seven' and 'Dr Who'.

Jam packed for Hartley New chair in Biotechnology

The final Centenary lecture was given by Professor B.S. Hartley FRS of the Biochemistry department at Imperial College. His lecture was entitled 'RCS Leads into Biotechnology'. He firstly explained the techniques involved in producing commercially important materials by bacteriological fermentation.

One has initially to isolate the gene coding for the material one wishes to manufacture. This can be done by a variety of classical mapping techniques. Then it is necessary to excise the gene from the genome, this is done by specific enzymes termed restriction endonucleases. It is possible to then isolate the gene by hybridization to a radioactive messenger RNA. Once isolated the fragment has to be inserted in a cloning vector. The cloning vector is usually a plasmid (a circle of DNA found in bacteria) that is treated with the same restriction endonuclease that was used on the donor genome. The ends of the gene will then adhere to the ends of the plasmid and a hybrid DNA structure will be formed. The plasmid usually has an antibiotic resistant gene so that when the plasmid is inserted in the bacteria the culture can be cleared of those without plasmids. The bacteria will then multiply and generate the desired metabolite.

Professor Hartley then went on to describe the way a vaccine was developed for hepatitis B virus using this technology in 18 months. He then discussed the much more complex problem of cloning human interferon (one of several that were later discovered) which mainly centred on developing high producing strains. Professor Hartley revealed that the biochemistry department had played the key role of solving the problem of large scale fermentation of interferon producing bacteria. He then outlined key areas where the application of this technology would have a revolutionary effect. They ranged from preventive medicine, genetic advice and plant pathology in the short term to the long term of genetic surgery.

He also discussed his present investigation of the possibility of using bacteria to digest hermicelluloses to produce ethanol. Professor Levy and Dr Palmer in the biology department, he said, were looking at the degradation of lignin (a principle polymer in wood) in order to provide commercially important phenolic compounds. He also listed a number of biochemicals such as the antibiotic pseudomonic acid that had been developed at Imperial College.

Professor Hartley then looked into the future. He argued persuasively that there were many opportunities open for biotechnology. He revealed that at a AUT meeting a motion had been passed stating that biotechnology at IC should not expand if that meant redundancies in other areas. He said he could understand this Ludditism, but was saddened by it. However, he said that he would do his very best to attract money from private industry to support his research team. He then unveiled his plan to establish work in biotechnology at Imperial College. He wanted to see close collaboration between the chemistry, biology and chemical engineering departments to establish a firm base. He also revealed that the Leverhulme foundation would be funding a chair in biotechnology at Imperial College. In conclusion he said that though RCS was not leading at the moment, he would do his very best to ensure that it would in the future.

There then followed a series of questions. They were initiated by Mr Gerard Fairbrough, Chief Executive of Celltech, Britain's first commercial biotechnology company, who had introduced the lecture.

At then end of the lecture Professor Hartley was thanked by his friend and collaborator Professor Blow, Dean of the Royal College of Science.

Accommodation

College

A few places still available in shared rooms in student houses for the rest of the year.

People not currently in residence who want Christmas vacation places can contact Student Services.

Flat for 4 (2 dbles) available in Hamlet Gdns at £14.50 each.

Private

1 or 2 girls to share slightly anarchic flat with 5 or 6 others at £17.65pw.

Some single and double bedsits close to College. Rents from £15 to £25pw.

For further information on any of the above contact Student Services.

Ecology party at IC

The first meeting this year of the Environmental Society took the form of a talk on Monday by Paul Ekins, General Secretary of the Ecology Party, in which the party's philosophy and policies were outlined.

Mr Ekins stressed that his party did not believe, as did the four main British parties, that improvement in the quality of life could be achieved by continuously increasing production and consumption. His party's policies were based on production with the minimum ecological disruption and the maximum conservation, as well as the maintenance of a sustainable population. Overall the party advocated decentralization, increased self-sufficiency and a more genuinely democratic, small-scale society; in particular they proposed greater incentives for the employment of people 'the most underused resource'.

Next week, the Environmental Society will present a talk by a geologist on the disposal of radioactive waste (1800, Monday 47 Prince's Gardens); a full programme of talks and lectures is planned for the year.

Cheers for Queen Mum

Prince Charles paid a visit to the Royal College of Music last Thursday afternoon, accompanied by the Queen Mother, to receive an honorary fellowship of the RCM.

The Queen Mother, however, stole the show yet again, stealing the hearts of cheering IC students, in her standard blue dress, which succeeded in drawing attention away from Charles' bald patch.

Extraordinary General Meeting

An EGM has been called to discuss the IC-QEC merger. It will be held next Thursday, December 10.

NATIONAL BLOOD TRANSFUSION SERVICE

Tuesday 8 and Wednesday 9 December
10:00 to 12:00am and 2:00 to 4:00pm
in the Union Dining Hall

Your blood is needed, *please* make the effort.

Letters

Dear Mark and Readers

I was prompted to write to you by a pompous ill-informed piece of drivel which wasted 1¹/₃ column of last week's letters page. (So you're following suit—Ed.)

I have until now had sufficient self-control to not indulge in petty bickering over foolish allegations made against me, but I finally feel that I must say something in my defence.

William Durodie is very excited about certain 'undertakings' that I gave to the police whilst I was Rag Chairman. These 'undertakings' are the standard conditions under which collecting licences are issued to any organisation. They are stated quite clearly on the official licence certificates and documentation which we receive from the police. Given that there is nothing extraordinary about the conditions of our being granted licences one can only presume that William cannot read, even so he could ask me. I am quite capable of normal communication, but perhaps he couldn't be bothered to leave his throne and descend to my level, alternatively his lack of communication could indicate an overwhelming capability to do the job.

William goes on to make three points concerning the June deadline for audited accounts, two of which concern me.

He is most perceptive in noticing that College examinations occur at about the same time as our collection accounts must be submitted to the police. Unfortunately it is not in my power to modify either date, but a little common sense shows that circumstances are no different from previous years.

The reason why we could not obtain any collecting licences until January last year are surprisingly identical to the problems this year in that the police will not issue a new licence until the accounts from the previous year have been audited and submitted to them. William again complains that I failed to tell

him all this but the information is at his disposal in the Rag Office.

He goes on to allege that reminders for the accounts were sent to me. I have never received them, perhaps he saw fit to throw them away because they didn't mention him? The workings of his spiteful subconscious mind show through when he imagines that I would attempt to undermine Rag just to spite the little toad.

When I took on the job of Rag Chairman and whilst occupied in that position it was not for the sake of power, but because I wished to help other people by raising money for them. If this motive had guided everyone involved with IC Rag last year I am certain that it would have been more successful, no one was more disappointed than I at the continuous bickering, in-fighting and lack of co-operation experienced throughout the year.

It's a fairly irrelevant point, but I did not actually hand over to William, but left Rag in the capable hands of Alan Edwards and the three CCU VPs when I resigned. I made it quite clear to Alan that if there was anything I could possibly do to help then I was most willing to do so, this must surely be self-evident anyhow unless anyone thinks that I harbour such spite as William Durodie.

It gives me no pleasure to see Rag in trouble because of William, but he cannot try and shift the blame on to others, he is the Chairman and that's where the buck stops.

My final regrets are the detrimental effects that this sordid affair will have on IC Rag's relationship with the Police and also the effects on our charities.

Yours a very sad 'complete moron'
Ian Hodgson, Elec Eng 3
Rag Chairman. 1980/1

Christmas Dinner in Hall

December 15. £6.60

Tickets are still available from Pat until Monday, 1:00pm.

Small Ads

•VACATION WORK

We are a DES recognised English language school with a new budget course to promote—if you would like to help with leaflet distribution in Central London, please phone us now on 937-6229/5602, between 10:00 and 3:00.

•The following items are in the Lost Property of the Security Office. If they are not claimed soon they will be sent to the Nursery Jumble sale. If any of these items are recognised please call at 150 Sherfield.

Brown wollen scarf with red & white stripe; green parker coat; navy blue wollen scarf; brown duffel coat; navy blue/light blue striped scarf; blue waterproof jacket; yellow rainmack; blue silk shorts with Jogger written on front; black pullover with Harp emblem in gold; orange mack; grey pullover; brown imitation suede coat, fur collar and cuffs; blue jumper with navy blue edging; green striped shirt; light green jumper; mustard coloured scarf; navy blue valour jumper; light brown jumper; jean jacket; green jumper; brown plastic anorak; black jacket; water-proof plastic anorak; black jacket; water-proof jacket blue.

•Black leather jeans, size 12, vgc, hardly worn, £63 new, will accept £40ono. Contact Helen, 373-8746 (Rm 18).

•An amazing grace: A Teac A-3300 reel-to-reel tape deck (semi-professional) with four free 10" NAB reels. As I said "amazing" for only £200. Serious applications only. No timewasters or tyre kickers. Phone Shezi Abedi, 352-7446 (eves).

•For swap (or sale) 2 Police tickets, Dec 16, for 2 Genesis or 2 ELO tickets, any date. Rick Powdrell, Maths 1.

•Two girls wanted to share dble rm in adequate Shepherds Bush flat with 5 others, £17.65pw + bills. Contact F. Williams, Life Sci letter-racks. No bikers.

•For hire: One pair of pink underpants. Contact D.V. Molesworth, Mining 2.

•The adventures of Al: Introduction—A contemporary story of true life romance. Chapter 1: The first tentative steps have been made (To be continued)

•The Paw—Hiding behind anonymity will get you nowhere. Reveal your identity and dispute like a man. And for Pete's sake lay off the frozen steaks. Love FROST.

•Angela—Apologies. We all make mistakes, Jon.

•Light Removals

It's almost time to celebrate The festive season is near Good people think of me When sipping your sherry or beer The year is nearly over Have I not served thee well? Good people think of me And let's give me a cheer. Richard 2801

•Learn to fly this Christmas Contact IC Hang-gliding Club, 12:30pm, above Southside Bar on Mondays or Chris Golding, Mech Eng 3. (As featured in Punch.)

•Blood doning on Tuesday and Wednesday, 10:00-12:00 and 2:00-4:00, in the Union Dining Hall. Please give your blood.

•BUNAC Interested in working in the USA or Canada this summer? Then come to the Green Committee Room (top floor, Union Building) this Friday at 12:30pm.

•If interested in forming a Go Club, please contact Hyoung-Ky Shin, on int 2175 or B. Belcsak on 2435.

•Socialist Standard Would anyone who has read the above journal and wishes to discuss any of its contents, please come to a meeting on Wed Dec 9 at 1:15pm in the Green Comm Rm, top floor, Union Building.

•Sex There is an article on sex in the current (Dec 81) issue of the Socialist Standard which will be on sale (price 20p) at a discussion meeting on Wed Dec 9 at 1:15pm in the Green Comm Rm, top floor, Union Building. All welcome.

•Cupboard to let, Knightsbridge, complete with shelf, in a friendly kitchen. A snip at £24.50pw. Contact D. Firth, 14 Montpellier St.

•General derision: Linstead Chem Eng 3 + Co, deride homosexuals with pony tails.

•Jill congrats on semaphore badge!

•Linstead Arrows rule. Unlucky Garden and thanks. Where is the competition? P.C.E.E.I.D.I.O.

•Bisexual Peruvian arts grad seeks Eskimo Jew (ono), male (21+)/female for deepthinking relationship + theatre trips. Genuine replies only to Chem pigeonhole 'M'.

•Bonzo—Don't forget the "Angling Times" and thigh length boots on Sat night—Woodstock.

•Zenon: Congratulations on your special prize—Clever you! Next time ask for chicken legs.....

•D-A-K-S-H-I-N-I I couldn't resist a challenge. Love, Gary.

•Miss Bhenduva; I lied, Thurs night was my first time. Thank you for being so gentle. Bob Speer.

•Markipoos Turdfeatures & Floppykins. Oodles of congrats on your engagement. Many happy nuffles, Love Southside Drinkers.

•Kirt Gerbil Award 1981: Stephen O'D'Armitage "Lazycow" McHarrison. PS Keep up the good work(outs), Steve!

Three years on the air!

Back in the dim and distant past of December 1978, IC Radio started broadcasting on medium wave (301m, 999kHz), becoming the first and only inner-city student radio station in the country. Not to be overshadowed by any other anniversary celebrations, they're celebrating the third anniversary of this stupendous event by having a party with free birthday cake. It's going to take place in Southside Bar this Monday evening (the 7th), between 7:00 and 10:00pm. Throughout the evening, programmes will be broadcast from the bar, and there will be competitions, one of the prizes for which is a really tasteful Christmas album by the Yobs.

Among the other programmes to listen out for 'on IC Radio is 'Viewpoint', tonight and every Friday at 8:00pm, which provides an hour of news and views from the past week; theatre, cinema and gig guides and reviews; and what's on around College. As well as listening to it, you may be interested in contributing to the programme, whether you're in IC Radio or not; if so, contact Steve Hartwell at the station (int 3440). Features that you may be interested in covering could include: the pros and cons of NUS, or the residence situation and what is behind the possible rent rises.

So don't forget: for free birthday cake—Southside Bar on Monday evening—be there (or be somewhere else).

Desert Rats

Nearly a year ago a group of keen and ambitious physicists decided to launch an expedition to what is probably the most widely known desert region, the Sahara.

The idea didn't materialise over night; it arose, rather, as a natural progression of events starting from a discussion about holiday plans during the long vac. "Having decided where to go, we then had to decide 'why?', 'in what?' and 'how do we finance it?'" explained Simon Rodan.

From this seemingly shambolic starting point developed an expedition covering 4,000 miles, two thousand in the Sahara itself, in two LWB landrovers, over an eight week period during August and September.

Ideas for scientific studies were collected and chewed over by the team of six, and three projects were chosen. These were outlined in a document, which also contained the proposed route, dates, modes of transport and predicted expenses, which was submitted to the Exploration Board of Imperial College, which has a small annual budget from which it can help fund such ventures. Malcolm Risbey, the expedition's treasurer recalls those initial attempts at

costing: "when we set about calculating the cost of the trip we were very unsure as to the accuracy of our predictions, but surprisingly perhaps, if you take into account the fact that we now have two landrovers rather than one as originally planned, we have kept remarkably closely to our original estimates." The team was interviewed by the board, and subsequently gained official recognition and a substantial degree of financial assistance.

Of the immediate tasks, by far the most pressing was to get sponsorship, primarily from British Industry. During February and March, the six members of the team wrote, and produced a brochure briefly outlining the expedition. These they sent with accompanying letters to more than two hundred and fifty companies in the UK requesting aid either in cash or in kind. The Algerian Embassy had to be contacted, and were most helpful even if tied by too much red tape. Another document was produced for the Algerian Ministry of Education, in French and English, four copies each of this largish fifty page type script. "In the end this was all wasted time since we did not get any response from the Algerians until early November."

By June, quite a large amount of help had arrived despite, the poor state of the economy, which meant a 4% success rate in terms of useful replies to letters sent compared to a predicted rate of 10% or more, and none of this in the form of direct (and much needed) financial aid.

On the scientific side, David Harris and Clive Standley spent many weeks carefully constructing the delicate net flux radiometers needed for the project and devising the scientific procedure for the experiments. The aim of the primary project was to investigate the relationship between heat transfer to and from the desert floor and high altitude water vapour. As July 28, the scheduled departure date, drew nearer the final stages of preparation were completed, the most detailed available maps studied, routes finalised and an accurate itinerary drawn up. Dehydrated food was bought and items of equipment such as sand ladders, military spec gerricans and frames.

All the team attended courses on desert survival and first aid, while individual members went on specialised courses in landrover maintenance, expedition photography, and maintenance of the two chart recorders (which were the most important individual items in the experiment) at the manufacturers, Chessell Ltd of Worthing, who had kindly donated the recorders.

Everything was going to plan until two weeks before the team was due to leave, three of them learned that they had failed an exam and they were advised by the department to sit the retakes on September 2. The team returned to London, where they met Brian Morgan, Director of UG Studies, and Keith Barnham, Senior Tutor, and subsequently Bob Schröder and Don Adlington, Chairman and Secretary respectively of the Exploration Board. It was decided that the best solution, if sponsorship commitments were not to be ignored, and as the team were still keen to go, was to postpone the trip until the following year. Unfortunately since then two members have had second thoughts and have dropped out, leaving the team with four. "We would still like to take eight people this summer, since we have got the room and we could do with some fresh ideas," said Andrew Layton, the team's resident mechanic.

So now the team must start once again to get the show rolling, though this year much of the work has already been done. If anyone reading this article feels that they would like to take on the challenge that the expedition offers, there are four places to be filled before Christmas. Anyone interested should get in touch with Simon Rodan, Malcolm Risbey, David Harris or Andrew Layton all of Physics 2.

FELIX DINNER

Friday, December 11
SCR Southside
7:30 for 8:00pm

Everybody welcome
(the more the merrier)!



Tickets £7 from FELIX Office.

Names to FELIX Office by Tuesday, 2:00pm.

Food For Thought

The sad state of IC's refectories

The eagerly-awaited results of the ICU refectory survey have finally been published, and as expected, they say nothing that was not already known. The main conclusion is that IC catering is unacceptably bad. The report, submitted by Messrs Ledwold and Morton, also contrives to avoid mentioning anything that could offend the powers on high, e.g. sacking Mooney and leasing the refectories to an independent company; steps that would most rapidly improve the lot of the IC penniless gourmet.

The report was compiled from questionnaires distributed in the four main refectories (Sherfield, Union, Buttery and Southside) and in Linstead. It was made over two days, Monday 26 and Thursday 29 October; Sample sizes (i.e. the number of forms filled in) range from the relatively small (100) to the pathetic (22). The questions covered the meal just purchased, refectory service in general, queues, cook-freeze food, recycled food, breakfast service, suggested improvements and increased services, bars, Hall and formal dinners, the Southside Shop and "special reaction noted from consumer" (vomiting, rigor mortis?). No questions were asked concerning prices, hygiene and cleanliness, or the "foreign substances" (e.g. staples, ground glass) frequently found in the food.

No results concerning bars, Hall and formal dinners, or the shop have been published, as most people left these sections blank; therefore the compilers may assume that these services are either satisfactory, ignored or the results have not been processed.

The published survey includes results, a summary of the results, and conclusions drawn from the summary of the results. It is not light bed-time reading and was quite a few pages, so here is a "summary of the conclusions drawn from the summary of the results"! All quotes are direct.

The Four Main Refectories

General result: About half the people questioned in each refectory were happy with that particular meal. We are certain that a commercial venture would not accept such a low level of satisfaction.

Cook-freeze foods: "...becoming coagulated or congealed too many times" (as if once isn't enough). "Most people asked don't like cook-freeze food, which is unfortunate if you get no choice for your evening meal."

Recycling: "Many seem to feel they are getting recycled food."

Cleanliness and Hygiene: "In every refectory there were complaints about

cleanliness and hygiene. Sometimes the point was made quite strongly suggesting public health inspectors should be brought in."

Staff: "In every refectory there were complaints about rude or unpleasant staff."

Breakfast and Weekend services: "Only 15 people admitted to using the breakfast service often....75 people (over 2 days) said they use the weekend service often."

Prices: "Virtually everybody said the prices were too high."

Suggested increased services: "It seems that approximately half the people asked want an increase in sandwiches and rolls type cold food. About a quarter want an increase in the range of puddings and more fast food."

"there were well over 300 requests for more bar food."

Other remarks: "There were" (was Marco) "a huge number of unsolicited comments about the high quality of the RCA and RCM refectories."

Eleven Conclusions

1. The refectories simply *must* improve the all-round level of cleanliness.

2. The staff could be a lot more pleasant. This comment should not be taken personally by any member of the refectory staff. It is an overall problem of commitment to students. Students are not the most tactful or diplomatic breed and all we are asking for is a more tolerant approach from the staff. This might generate a better nature from the students and improve the current relationships.

3. More care is needed in the final stages of the process of preparing food for students. These are simple matters; a bit more care in meal presentation, trying to keep "hot" food hot, and ensuring correct amounts are cooked to prevent continually reheating food for the next session.

4. Someone somewhere should learn how to cook chips and how not to wreck vegetables.

5. The quality of the meat should improve—it has too much fat or gristle and is often said to be undercooked. On this subject the fish is not too good either, often said to be "soggy".

6. There are many specific complaints about types of food which could be easily rectified (e.g. solid baked beans, hard rice pudding, etc.).

7. Different organisation of queues might be considered in some refectories.

8. There is a need for a salad bar selling good quality salads at reasonable prices, possibly "a la RCA" which got several mentions. This can be combined with a demand for more sandwiches, rolls and other cold foods. There

is also a demand for an increased range of hot food and more variety every day. The question "what type of food do our refectories cook best?" yielded no clear favourites, so maybe all types should be offered; casseroles, roasts, fries, grills, etc. We are formulating a hot food/cold food plan.

9. There is a demand for more food in the bars. This may fit in very well with the point above.

10. The demand for a breakfast service is minimal and the justification for this service must now be questionable. The demand for a lunch-time service is massive and for an evening service substantial. The demand for the weekend service is much smaller. Possibly the survey captured the wrong people for estimating the need for weekend meals. Either way we believe the College has a social duty, as a community, to provide food at the weekends.

11. The food in Linstead is totally unacceptable. This situation must be seriously reviewed immediately.

The situation in Linstead Hall is that, apparently as a condition of the presentation of the Hall to IC by an anonymous benefactor, all students must eat there at least three times per week. This costs them £1.27 per meal.

The results from the Linstead survey were frightening; on Monday 86% were "unhappy with the quality of the meal". On Thursday, it was 89%. To the question "are you generally happy with the service in the refectory?" on Monday 67% were not, on Thursday only 39% were not. On closer inspection, however, it was seen that only 19 people were interviewed on Thursday compared with 76 on Monday.

This highlights one of our criticisms of the survey; it was unrepresentative. Allowing for the fact that a vast number of students never eat Mooneys because they are so bad, to restrict the survey to people eating in refectories was ludicrous. In answer to this, Marco Ledwold claimed that constructive criticism could only be made by regular refectory users; how often, I wonder, do he and Nick Morton eat Mooneys.

A rough calculation reveals that, if only half of the people who eat in refectories find the service satisfactory, this means that between 80 and 90% of all students at IC would welcome improvements.

The other main criticism is the rather half-hearted approach to the matter. Refectories have been a standing joke now for years, and such remarks as (and I quote from "The Plan").

"A nice fresh sandwich with a cup of tea or a drink could prove a popular lunch in these hard times." are not going to cause a revolution. It is to be hoped that, having obtained these results, the Union acts on them; remember Nick Morton's promise at the first UGM of term?



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For the short distance cyclist second-hand small wheel cycles between £20 and £30.

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What's On

Friday, December 4

- Anti-Apartheid Group Meeting** with speaker from South African Non-Racial Olympic Committee, 12:30pm, Huxley 340.
- BUNAC weekly meeting**, 12:30pm, Green Comm Rm. Rm.
- Newitt Lecture (Chem Eng Soc)**, 5:00pm, Chem Eng LT1. Title 'Chemical Engineering—past, present and future' by Prof J.F. Richardson.
- Christian Union Fellowship Meeting** with talk on 'The Victory', 6:30pm, Music Rm, 53 Princes Gates. Followed by coffee and biscuits.
- Almost Christmas Party**, 8:00pm, £1. With live band 'Bumble and the Beez', disco and bar.
- ICCAG Soup Run**, meet 10:30pm, Falmouth Kitchens.

Sunday, December 6

- West London Chaplaincy Service** the preacher will be Deaconess Pamela Maggs, 10:00am, Consort Gallery.
- Wargames Club Meeting**, 1:00pm, Union SCR.

Monday, December 7

- H.G. Wells Society** presents Jim Francis, creator of special effects from HitchHikers Guide to the Galaxy, Dr Who and Blakes 7 will speak about his walk, 7:30pm, Elec Eng 408. Entry by membership only.
- Hang-Gliding Club meeting**, 12:30pm, above South-side Bar. (As featured in *Punch* this week!)
- Dancing Club Advanced Class**, 7:30pm, JCR.

Tuesday, December 8

- Blood Doning** between 10:00-12:00 and 2:00-4:00 in the Union Dining Hall.
- Catholic mass and lunch**, 12:30pm, Chem 231. There will be a nominal charge for lunch.
- Boardsailing Club weekly meeting**, 12:30 and 6:15, Southside Upper Lounge. Contact Nick Ajderian ME3 or Andy Grimshaw Zoo 2.

Dept of Humanities presents

1. **An Engineer looks at Biology**
Part 3 Evolution and the Managing Director with Prof Eric Laithwaite, 1:30pm, Read Theatre, Sheffield.

2. Mountain, Desert, Sea

Part 2 Solo Exploration in the Sahara with Tom Sheppard, Saharan explorer and writer, 1:30pm, Pippard Theatre, Sheffield. (Arranged by IC Exploratin Board.)

•**Stars on STOIC** with Andrew Sachs, 1:00pm only. A chance for this year's first years, and anyone who missed it last year, to see our interview with Andrew Sachs (Manuel of Fawltly Towers).

•**Industrial Soc talk** on Philips Electrical, 1:00pm, Chem Eng Theatre 1.

•**Natural History Society** present Alan Seccombe of LS2 speaking on 'The Seychelles', with slides, 1:00pm, Botany Basement LT. Membership at door, 50p.

•**Mopsoc Lecture** 'Early Days of Radio', 1:10, Physics LT 2 (level 1). Free to members, non-members 10p, membership 60p.

•**IC Amnesty Group meeting**, 5:30pm, Green Comm Rm, top floor, Union Building.

•**Met & Mat Soc evening lecture**, 6:00pm, RSM G20. 'Famous Failures' (Or why do ships fall to bits), by Dr Tim Baker (IC).

•**Audio Soc meeting**, 6:30pm, Union Upper Lounge. There will be no further Audio Soc meetings until next term.

•**Socialist Society speaker meeting** 'Society for the Protection of Unborn Children', 6:30pm, Green Comm Rm. The subject of the meeting is appropriate to Human Rights Weeks.

•**SF Sock film** 'Bedazzle', 6:30pm, ME220, 20p to members, 50p non-members.

•**BASF demonstrating** their new 7130 multi-tasking harddisk micro, 7:00pm, Huxley LT145, free to members, non-members 30p. Organised by IC Micro-computer Club.

•**Dancing Club Beginners' Class**, 7:30pm, JCR.

•**ICCAG Soup Run**, meet 10:30pm, Falmouth Kitchens.

Wednesday, December 9

- Blood Doning**, 10:00-12:00am and 2:00-4:00pm, Union Dining Hall.
- Industrial Soc visit to Philips research labs**, Redhill, meet 12:50 for 1:00pm at Beit Arch. Bring travel money.

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

•**Discussion**, 1:15pm, Green Comm Rm, Union Building. 'Socialist Standard'. Would anyone who has read the above journal and wishes to discuss its contents please come to this meeting.

•**IC Trampoline Soc**, meet 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, December 10

•**Christian Science Group meeting**, 1:00pm, Seminar Rm, Level 2S, Botany.

•**The monster Industrial Soc general meeting** with cheese, wine and Peter Nesbitt!, 1:00pm, Union Upepr Dining Hall.

•**Ents Comm Electoral Meeting**, 1:00pm, Union Upper Lounge. Also general discussion on Ents policy.

•**SF Soc Library Meeting**, 1:00pm, Green Comm Rm.

•**Nat Hist Soc talk** by Alan D. Seccombe on 'The Seychelles' (with slides), 1:30pm, Botany Basement. (That was a correction)

•**STOIC programme** 'Newsbreak', 1:00 and 6:00pm.

Dept of Humanities presents

1. **Film: The World at War (Thames TV)**

Part 8 It's a Lovely Day Tomorrow, 1:15pm, Great Hall.

2. **Lunch-hour Concert**

The George Caird Oboe Quartet, 1:30pm, Music Rm, 53 Princes Gate.

•**Gliding Club Members**, 5:30pm, Aero 254.

•**Chem Soc lecture and demonstration** on 'Dioxygen Fixation' by Prof D.F. Evans FRS (IC7, 5:30pm, Chem LT C).

•**J Soc**, 5:45pm, Green Comm Rm. Come and hear how university students are thrown into jail in Russia. "Is it a crime, wanting to leave the country?"

•**Fishing Club Meeting**, 6:00pm, Stans Bar.

•**ICCND**; 'London after the bomb', 6:30pm, Brown Committee Rm.

•**Badminton Club Pub Crawl**, 6:30pm, Union Bar.

•**Pundit Vishnu Narayan**, priest, lecturer and an authority on Hindu philosophy and culture, lectures on the impact of Western culture on the Hindu way of life in Britain. 1:30pm Chem Eng LT2. Admission free.

ALMOST XMAS

TONITE!
8 pm

JCR

Party

BAR
Band

DiSCO
+
festive
fun'n' games

£1

Wardenship of Mining House

Mining House is a mixed student residence in Evelyn Gardens of approximately 100 students from all College departments. Applications are invited from a postgraduate student who preferably has two years left at College, for the position of Warden. A rent-free flat is provided which is suitable for a couple.

The duties of the Warden are to organise the running of the house both from a social and

domestic point of view. To this end there are three sub-wardens and a "shared" house-keeper who are responsible to the Warden.

Further details can be obtained from the present holder of the post Richard Riley (tele eves 373-0593) and application forms from the IC Union Office. Completed application with details of all relevant experience should be returned to the IC Union Office no later than Friday, December 11, 1981.



It's the Min & Met Sci Chislehurst Caves Underground Disco tonight. See Rich Law, Mining 3, or come to the Union Office for last minute tickets (£4 each). Thanks to everyone who turned out to play and support the rugby and football matches last Saturday. (Congrats and commiserations as relevant!). I hope everyone is going to support foreign students week events (during the last week of term), watch out for publicity or come and see what's going on.

As we can't go Rag collecting for a while—a Christmas raffle, with proceeds going to Rag will be organised, so make sure you've plenty of money on you when I'm selling the tickets.

The Camborne list comes down on December 4, TODAY, so put your name up there quickly if you haven't done so yet! Tickets for the Mines Ball are available until December 16—don't forget to reserve a ticket.

Gaynor

SCARMAN REPORT

Two copies of the
Scarman Report
are now available in the
Haldane Library.

Human Rights Week

The IC Union Human Rights Week commences on Monday, and coincides with a slightly more auspicious week of events organised by the United Nations. The aim at IC is to provide students with information about violations of human rights in many parts of the world. More importantly, the dynamic clubs and societies running the events will be illustrating what students here can do to counter such grave abuses.

Naturally, events will be held at lunchtimes and during the evening. Each participating society will be organising their own events, ranging from a filmshow to a picket of the Rector's pad. Unfortunately, the idea of having a Human Rights Week was suggested only recently, meaning that the itinery of events is not yet definite. However, at the time of writing, here are the details, society by society.

Socialist Society

Soc Soc is concerned about the exploitation of Third World workers; a particular example of this is coffee pickers, people often receiving less than £45 per year. It's obvious that middlemen make vast profits; mentioning no names, but Nestlé's has a higher turnover than the earnings of the vast majority of African nations.

There is an alternative! Campaign Coffee, a non-profit-making body supplies coffee from Tanzania. When you buy it, a large part of your money goes to the workers who picked the beans for you and so rightly deserve it.

Soc Soc, believing in a fairer deal for the Third World, is selling Campaign Coffee every lunchtime in the JCR during H.R. Week. Free samples might even be given, just to prove the inferiority of Mr Mooney's produce. So, come along and start stirring for a better world.

Additionally, the society is having a speaker from the Society for the Protection of the Unborn Child, Tuesday at 6:30pm in the Green Committee Room. Naturally, the issue of whether a woman's right to abortion or the fundamental right of human life should have the priority will be discussed.

West London Chaplaincy

S. America is one of the world's most inhumane continents. Poverty, hunger and military dictatorships make the lives of the people there almost as bad as those of IC students. The West London Chaplaincy is hosting an authoritative speaker, recently returned from Peru, on this issue. The talk is on Thursday lunchtime.

Conservative Society

Conservative Society will be holding a display in the JCR on Thursday on human rights violations in the USSR.

Labour Club

Labour Club will be holding a display in the JCR on Thursday on human rights violations in Chile.

Positive Alternatives to Abortion Society

PATA's display in the JCR on Thursday will be dealing with the human rights aspect of the abortion debate. Particular emphasis will be placed on the unborn child's rights as defined in the United Nations Declaration on the Rights of the Child, the European Convention of Human Rights and the decision of the West German supreme court which decided that unborn children in Germany were protected by the constitution.

Jewish Soc

When leaning on bars can be a little different

Imagine the National Front has gained power in Britain. Now assume that you, upset by this development, wanted to leave the country but they won't allow it. Legally you can go but in practise....tough. 400,000 people have applied, but only 400 people, this year, were granted the permits now required to leave the country.

Does all this sound rather unlikely? Well, if you replace Britain with Russia and the National Front by the Communist Party, we are describing a situation that exists today. If you wish to know more about how you can be thrown out of university when all you want to do is leave Russia and if you want to know what you can do to help, visit our stall in the JCR next Thursday. It won't take you long, busy as you are in the hectic eleven week terms of Imperial. In Russia the terms are somewhat longer.

UN Soc

There will definitely be a stall on Thursday in the JCR describing the work of this new society. At least one speaker meeting during the week is being held.

Islamic Society

We will be holding a bookstall and have a speaker on Wednesday, December 9, in the afternoon.

Amnesty International Group

The AI Group will be adding a different aspect to Human Rights Week. We're holding an hour-long filmshow, screening *The Hand* and *Paradise Lost*. 'The Hand', a short, animated film, depicts the oppression of the individual behind the Iron Curtain, whilst 'Paradise Lost' focuses on Paraguay, a country ruled by a military dictator for the past seventeen years. Venue and time to be announced.

We also intend to have a speaker from our British section, explaining Amnesty International's work. John Cleese, Peter Cook and Kate Bush won't be here, but someone more knowledgeable will. Definitely an evening event.

At the AI stall in the JCR, you will be able to play in the 'Dictator's World Cup' (adapted from the book *Junta United*). In addition, Christmas cards will be on sale, and we'll be on hand to explain the work we're doing on behalf of Firmin Awadon. Firmin was a student, just like you; unfortunately, the military dictator in Benin (just west of Nigeria) won't tolerate discussion of his policies, and has had Firmin imprisoned for two years now without trial. Needless to say, the prison conditions are disgusting. Come to our stall, and find out how you can help set the world to rights.

Anti-Apartheid Group

The Anti-Apartheid Group is definitely holding a picket outside the Rector's pad next Friday at 11:00am. This is to protest against College policy on South African government-sponsored students on the nuclear technology course here. The group believes that such students will, on their return to South Africa, actively assist in the production of nuclear weapons.

On a cultural level, the group is offering students here an opportunity to appreciate native South African art. There will be an exhibition of paintings by children on level two of the Sheffield Building.

Baha'i Society

Since the beginning of the Iranian revolution, the Baha'is of the world have grievously borne the news of the persecution of their fellow believers in that country. The largest religious minority in Iran, the Baha'i faith has been excluded from the new constitution.

On a large scale, holy places have been destroyed, many Baha'is executed, and private property looted and burned. Life savings have been confiscated, and the entire Baha'i community is subjected to many forms of discrimination, humiliation, and violence.

The Baha'i faith is a world religion with its own scriptures, laws and calendar. It represents a cross-section of humanity, including almost every nationality and trade. The central teachings are the oneness of God, religion and mankind. The terrible persecution now being witnessed in Iran stems from an intolerant attitude on the part of the authorities there. The Baha'i Society will be holding a speaker meeting on the subject of Baha'is in Iran next Thursday at 1:00pm, in Lecture Theatre 213, Huxley Building.

Catholic Society

Catholic Society is using the theme of equality for Human Rights Week, believing that nobody should be discriminated against as a result of their race, creed or culture. To this end, the society is holding a stall next Thursday in the JCR.

Catholic Society is helping to give people in Tanzania the right to food. Unfortunately, our sponsored walk to raise funds for a fish farming project is not being held next week, but in early March. However, the stall should have more information about this.



IC Bookshop

If by a slim chance we haven't yet been able to supply the book, or even books, you wish to give as presents this Christmas, we do stock **book tokens** from 50p. These can be redeemed in any bookshop in the British Isles.

Reference FELIX 596, I did hear on the radio that a bill will be before Parliament in the new year to legalise brothels!

Diaries are useful "stocking fillers". We have a large selection for 1982. Also, we have the College diary at £1.50, which covers the academic year September-October.

Book-A-Book this Christmas

Penguin Complete Sherlock Holmes Sir Arthur Conan Doyle, Penguin £3.95

Gossip 1920-1970 Andrew Barrow, Pan £3.95

Complete Atlas of Britain Automobile Association, £9.95

James Herriot's Yorkshire Michael Joseph £8.50

Phaidon Dictionary of 20th Century Art Phaidon £4.50

Puzzle Mountain Gyles Brandreth, Penguin £4.95

Motor Cyclists' Handbook, David Minton, Pan £5.95

Second Book of Insults Nancy McPhee, Deutsch £3.95

Macmillan Encyclopedia of Art Macmillan £5.95

Queen Victoria' Sketchbook Macmillan £3.95.

Thomas Bewick's Birds Gordon Fraser £4.95

Marilyn lives! Joel Oppenheimer, Pipeline £5.95

Bargain Basement

Traditional Islamic Craft in Moroccan Architecture V1&2 £180.00 now £130.00.

History of World Furniture £40.00 now £35.00.

Special Announcement

Wednesday, December 9, at 2:30pm Subject Group Captain Sir Douglas Bader—Author Laddie Lucus will both be in the Bookshop to sign copies of the only authorised biography of Sir Douglas Bader, *Flying Colours*, Hutchinson, £8.95.

The book contains a new and controversial assessment of the Battle of Britain. The author exposes for the first time Douglas Bader's tactical concept of the battle and his critics are decisively answered with facts and fresh official evidence.

If by unfortunate chance you will not be able to come and meet Sir Douglas Bader but you would like the book signed, let me know and we will get them to sign for you.

Socialist

Which British political party has twelve MPs, several hundred councillors and an individual membership of 15,000?

The answer is the Co-operative Party. The co-operative movement is perhaps best known for its familiar high street shops run by local co-operative retail societies and schemes like the Meriden Motorcycle Co-operative. Few people are aware of its political wing. On Tuesday, December 8, Peter Clarke, a research officer at Co-operative Party headquarters will be speaking about its aims and, in particular, its novel scheme for tackling youth unemployment through self-supporting groups.

The meeting is at 1:00pm in Maths 341 and all are welcome.

Ents

OK, it's Friday already and you still haven't bought your 'Almost Xmas Party' ticket. You can still get them (only £1) from the Ents Room or Hall Reps—see Hall noticeboards. The band at tonight's party is a pop/reggae band called 'Bumble and the Beez'—have you ever heard a reggae band use electronic drums before?! They recently supported both Hazel O'Connor and John Martyn on their British tours and their single is already in the charts.

Forthcoming events include a 'Heavy Rock' night (next Friday) with 'Overkill' and 'Blue Man' in the Lower Refectory—we would like to thank Mark Smith for moving the venue of the FELIX Dinner to allow this event to take place!

An 'Xmas....at last' party is also being organised for Wednesday, December 16, in the Concert Hall. There will be a disco, bar, rock band—A Blue Zoo (more about them later) and....and wait for it....cartoons!—all for just £1. For just 50p, this Thursday's film is *Taxi Driver*.

As you will see elsewhere in FELIX today, next Thursday we are having official elections at 1:00pm in the Upper Lounge. If you're at all interested, please come along as there will also be a general discussion about entertainments at IC.

Wing Chun

In Chinese history Buddhism and Shaolin temple are synonymous with Kung Fu. Wing Chun Kung Fu has its roots here. A Buddhist nun, who after observing a fight between a white crane and snake devised a system of self-defence from the action of these animals. She took into account the difference in physique between men and women when she created the art, whose close range techniques have simple yet fast and lethal moves.

Master Yip Man introduced the art to Hong Kong after the Second World War. Through his students (such as Bruce Lee and Master Lau) Wing Chun gradually spread across to the western world. Master Lau is one of the leading exponents in Wing Chun.

The IC Wing Chun Club is a division of Master Lau's Wing Chun Academy. To celebrate the birth of our club recently we have arranged a social evening on December 12, at 7:00pm, in the Union Building.

The programme includes a demonstration of Wing Chun Kung Fu by Master Lau, food, drinks, raffle, music and party games.

If you are interested, hurry and get your ticket from Sandeep Jesndasen Civ Eng 3, Edgar Pilkington EE1, Benny Notarianni Phys 3, Union Office.

Wing Chun classes are held on Wednesdays in the Union Gym between 3:00 and 6:00pm; and Saturdays in the Union Gym between 11:00 and 2:00pm.



H.G. Wells Society
proudly presents
JIM FRANCIS
creator of Special Effects for
'THE HITCH HIKERS GUIDE TO THE GALAXY'

SF Soc

What does the devil do in his spare time? How unsmoothly is it possible for the course of true love to run? If you want a right good belly laugh and a solution to the problem of evil, then go to *Bedazzled*, the next SF Soc film on Tuesday in Mech Eng 220 at 6:30pm. If comedy and theology aren't your bag, then don't forget that Raquel Welch is in it (as well as Peter Cook, Dudley Moore, Barry Humphries and Eleanor Bron). Definitely a film redolent with not-to-be-missedness.

While on the subject of films, it has been brought to my attention that Ents think I don't like them. Nothing could be further from the truth. All my past statements about them were genuine expressions of sympathy and gratitude for blokes with a hard job who so often are blamed when things go wrong and are not mentioned at all when things go right. I was not being sarcastic at all, and was dismayed to learn that I was being taken the wrong way, which comes as a bit of a blow to a person as articulate as I am. Still, life's like that. No jokes this week, and for several weeks no by-line either. Depressing isn't it?

CND

The meeting of Thursday, November 26, was addressed by Mike Terry, an active member of Anti-Apartheid. Mike presented a highly informative account on the history and prospects of nuclear proliferation in South Africa.

Unquestionable evidence was presented for the existence of a South African bomb, along with disturbing developments in battlefield nuclear shells and weapon delivery systems. Mike laid the blame directly with the US and British policies to provide large amounts of technological assistance for so-called "peaceful development of nuclear reactor facilities".

Work is now beginning on the production of leaflets and eventually a larger and more comprehensive newspaper. However it is essential that people offer to help in the writing of these. If you would like to contribute in the form of articles, cartoons, format, or whatever, please send your ideas to C.J. Harries, Mech Eng PG, so that we may consider them and tell you if we think it's worth doing.

An ICCND Bookshop is now set up in the JCR every Monday lunchtime. Please go along, and, more importantly encourage those who remain undecided to pay it a visit.

The final meeting of term, on Thursday, December 10, will be addressed by Owen Greene, who many of you will know, has been working with the "London After The Bomb" SANA group. He will be talking about some of the group's preliminary findings.



Natural History

The society organise regular lectures, trips and films. So far this term we have had Professor Smyth and Doctor Lamb give lectures on parasites from pets and wine-making. We organised an afternoon trip to Silwood Park field station to introduce first year life scientists to the station and the work that is done there and two groups from the society went around the British Museum (Natural History) during its open days. So far this term we have been on four bird-watching trips. At Rickmansworth, we had good views of *siskins* and *redpolls* and at Barn Elms Reservoir we saw *goldeneye* and a *kestrel* at very close range. We have also been further afield; at Rainham in Essex we saw *bramblings* and a *hen harrier* despite being under fire from the local army ranges! At Sheppey on the North Kent coast we saw another *hen harrier* and a *short-eared owl*, *purple sandpiper* and flocks of wintering *snow buntings*.

Coming up we have a lecture by Mr A. Secombe on 'The Wildlife of the Seychelles' and an RSPB film accompanied by cider and cheese. Next term we have already organised lectures on Butterflies by Prof E. Laithwaite, Pollution by Doctor D. Dolby, and Schistosomes by Dr C. Wright.

Community Action

If any one is interested in any of the following come to the meetings, top of the Union, every Monday at 12:30: draughtproofing old people's homes on Wednesday, December 9 in the afternoon; helping with the children of battered wives, taking them to sights in London, etc.; helping with handicapped children on Saturday afternoons; soup runs on Tuesday and Thursday, meet 10:30pm, Falmouth Kitchens; visiting patients in St Pancras Hospital or taking them out on trips.

Next Tuesday and Wednesday, November 8 and 9, it's **blood donating**. Please give your blood, it is needed.

Economy Drive

"Student driver"—this produces images of a beat-up Mini, doing wheel spin starts at traffic lights. Well City and Guilds Motor Club does like to try other things as well. For example on the 29th of this month it is organising an Econorun.

Translated out of jargon this means that competitors will be trying to squeeze every last mile out of each gallon. Following a challenging route from easy navigation. So the event is not only a competition in its own right, but also an excellent introduction to rallying.

I can hear some of you saying "But my Land Rover only ever does 17 miles to the gallon." Well, to make things fair, your result is compared to accepted consumption figures for the model.

So, if you fancy stripping off the roof-rack, winding up the windows and trying not to lose any speed on the corners, why not enter.

If you have images of throwing around a fully prepared RS1800, but have never driven competitively, why not come along.

Details from the Motor Club noticeboard in Mechanical Engineering.

You might even enjoy driving economically!

SPORT



Rugby

Seconds

On Wednesday the Second XV travelled into the sticks to play the Royal Vets College. When the referee eventually turned up the game started with IC dominating.

Aggressive play by the forwards set up the ball for the backs who, despite changes of position, ran the ball well, ending in the left winger R. Frith scoring two tries, and the right winger R. Flynn scoring one. Two of them were converted by M. Winsor.

The vets capitalized on a lull in the enthusiasm in the second quarter and ran in two converted tries. These were probably due to players being confused by technical line-out calls like 'bovine mastitis'!

After the interval IC regained their confidence and played most of the remaining game in the opposition half and with good forward support the ball was moved along the backs, leading to R. Frith scoring his third try.

From a well tuned penalty move W. Aston crashed over the line to score and with M. Winsor converting this and a later penalty, Imperial were the eventual winners by 29-12.

Team: M. Winsor, R. Frith, G. Pike, W. Chapman, R. Flynn, M. Thompson, J. Paixão, S. Bell, C. Cole, J. Hutton, C. Henderson, T. Garr, D. McGee, W. Aston, M. Pearce.

Judo

We arrived bright and early for the tournament which was an invitation tournament between teams from universities in Europe. The competition started at 10:30am and we were drawn in a pool with Dijon, Bochen and Eindhoven 2 (the home B team). We were at a slight disadvantage as we only had a six man team so in any contest we lost the first bout by default, also our team consisted of two brown, two green and two orange belts whereas all of the other teams were mainly black belts.

We were drawn to fight Bochen first and made a valiant effort, winning two fights; the losing members of the team put up incredibly good opposition and their loss can be blamed on lack of competition experience.

Next we fought Dijon and in the tradition of French clubs they were very good, we only managed one draw, this time some of the blame can be laid on bad refereeing as we got two bad decisions.

In the last fight in our pool against one of the home teams we managed one draw and suffered greatly from lack of experience.

There ended the competition for us so missing the final (we were showering) which Strasbourg won, then retired to the Street of a Thousand Bars for a quiet drink. It was generally decided that the team fought incredibly well, perhaps next year we may do better.



Football

Firsts

To be sung to the tune of "Robin Hood"

1. Bogey Rolla, Bogey Rolla with his pad and pen

Bogey-Rolla, Bogey-Rolla leaving from South Ken

With the IC team

Just to set the scene

Colliers Wood, Colliers Wood, Colliers Wood (Chelsea).

2. Stevie Ward, Stevie Ward jumping for the ball

Stevie Ward, Stevie Ward up above them all

Ball hits his head

Goalkeeper dead

Stevie Ward, Stevie Ward, Stevie Ward

(Goal!)

(Chelsea Scored)

3. G. Rickard, G. Rickard star of IC Firsts

G. Rickard, G. Rickard only comes in bursts (or so we hear)

Dressed all in blue

He managed two (or so we hear)

G. Rickard, G. Rickard, G. Rickard (Goal(s))

4. S. Dunhill, S. Dunhill like an antelope

S. Dunhill, S. Dunhill full back couldn't cope

Crossed just in time

Goalie said it's mine

Goalie missed, Goalie missed, must be pissed

(another goal)

(ORANGES)

5. David Dean, David Dean covering all the grass

David Dean, David Dean fell upon his bottom (again)

Malcom hit a shot (low)

Goalie not too hot

Stevie Ward, Stevie Ward, followed in (yet another goal)

6. Corner shot, corner shot coming from the right

Aled calls, Aled calls, with his impaired sight

Aled's out a mile

Chelsea's all a smile

'Cause they scored, 'cause they scored, cause they scored.

7. Bogey-Rolla, Bogey-Rolla sat on the train (tube really) (Too late hee-hee!)

Bogey-Rolla, Bogey-Rolla felt a little pain

Looks down below

It's all aglow

Rash is worse, rash is worse, rash is worse

Copyright—Vergin

Seconds

Hartland (10)

Veenman (4)

Wiggins (2)

Elsby (2)

Beer (1)

(PS: Jim missed a sitter, Steve's knees got cold, 19-0 to IC.)

ACC Meeting: on Tuesday, December 8, 6:30pm in the Union Refectory. Will all club captains and women's captains please attend. This will be followed by a Stoats' Run.

Swimming

IC proved that they are the best squad in ULU by virtue of a brilliant performance at the ULU Championships on November 19. The men's team won the men's trophy and the women's team had representation in most finals.

Richard Leach almost 'stole' the 33m dash, then took first place in the 100m backstroke. Nick Last and Steve Taylor finished second and third in the 400m freestyle. When Rich finally ran out of energy (i.e. couldn't finish the 100m butterfly), Paul Rodgers fought his way into third place. Graham Singleton also picked up points with a third in the 100m backstroke. Jim Boucher, the team coach, finished fifth in the I.M. and third in the breaststroke.

The girls, some of whom were competing for the first time, produced some excellent swims. Wendy Moore and Caroline Tombs led the way with Caroline taking third place in the 200m freestyle and IM while Wendy finished fourth in the 33m dash and the IM. Other notables were Jane Campbell in the backstroke final and Maria Tuck who was fourth in the 100m breaststroke.

The men's A team won the medley relay, with our B team a close second. In the freestyle relay the A team were second to Bedford College as Rich let his kid brother beat him on the final leg.

Team: *A. Last, R. Leach, J. Boucher, C. Garton, P. Rodgers, G. Singleton + 2.*

A. Hammond, W. Moore, C. Tombs, J. Hillier, J. Campbell, M. Tuck, Françoise and Mary.

Water Polo

IC Water Polo team followed up the success of the swimming team by winning the ULU knock-out last Thursday at ULU. We were handicapped by a number of goals to give weaker sides (i.e. the rest!) a chance.

Early on we disposed of London Hospital 4-1, with goals from Chris and Richard; and Kings/LSE combination 3-1, Nick scoring three goals.

The final took place over four quarters and due to handicapping we started the match 8-2 down to Bedford College.

IC started well, reducing the deficit to three goals after the first quarter, and we only trailed by two goals at the end of the second. Although Bedford's GB international took over in the third and we went 5 down at one stage, our fitness and teamwork enabled us to fight back to be 13-10 down with 1 quarter to play. Due to brilliant shooting we forced extra time with the score 14-14 at the end of normal time.

The first period of extra time was scoreless but IC took the lead for the first time in the match early in the second period. Although Bedford equalised, Chris clinched the winner for us shortly afterwards.

Team: *Leach, Boucher, Garton, Casini, Ashwin, Burnett, Edwards, Heffernan, Roberts, Last.*

RESULTS

Wednesday, November 25

Football

IC I	vs	Chelsea I	5-2(A)
IC II	vs	Bedford III	19-0(A)
IC III	vs	Bedford II	9-2(A)

Rugby

IC I	vs	Royal Veterinary College I	8-9(A)
IC II	vs	Royal Veterinary Col II	29-12(A)

Badminton

Ladies	vs	Kings	3-6(H)
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Saturday, November 28

Football

IC I	vs	UC I	1-0(H)
IC III	vs	UC III	2-5(H)
IC VI	vs	UC V	3-3(H)

Hockey

IC I	vs	Borough Rd Coll	0-0(A)
IC II	vs	Uxbridge	6-3(H)
IC III	vs	Bank of England	1-2(A)

Rugby

IC I	vs	Hon. Artil. Coy. I	7-9(H)
IC II	vs	Hon. Artil. Coy. II	4-20(H)

Badminton

IC II	vs	QEC	1-8(H)
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Bowling

On Friday, November 27, twelve bowlers made their way to Birmingham to compete in the Birmingham Marathon. Bowling non-stop from midnight Friday to midday Saturday, all in aid of the NSPCC.

After a brief (?) warming-up period in the bar, the two teams took their lanes.

IC I had a slow start, but warmed-up quickly and reached a peak at about 5:00am when Steve Bryer bowled the team's high game of 223, for which he won a bottle of wine. From then on the game levelled off with the team finishing 7th overall with 14,548 pins.

IC II had a good start and a good finish and, apart from Kevin Short who bowled well all morning and got the team's high score of 177, not very much happened. The team came 14th overall (out of 15) (thanks to Brunel C. who came last) and scored 12,128 pins.

IC I team: *Ray Cook, Chris Wells, Paul Gear, Martin Harrison, Wai Cheong Man, Steve Byer.*

IC II team: *Martin Smith, Kevin Short, Marie Cheong, Colin Grant, Mark Stanley, Bobby Thong.*

Sailing

The IC team were not up at the Harp being beaten last weekend—instead they were being beaten at Cambridge.

Having travelled down in anticipation of sailing "zooms" (the new boat Cambridge have on approval) on a decent lake. We found ourselves sailing decomposing, leaky "Larks" on a duck pond down a muddy lane in the middle of a wood. The trees around the lake made the wind unbelievably shifty and light in certain areas.

All credit to Cambridge who managed to spot the headers that you could almost tack on without moving the tiller.

Team: *Anita and Pat; Graham K. and Graham D.; Julian and Jim.*



Football

Firsts

The game began Harlington again the venue. Elsbly making his debut. Rough stuff by Dean=booking. Ankle injury the result. Scored, via Dean (tho' he fell down). Half time (no oranges). Reeve pirouetted like Nureyev. Exciting stuff! Tantrums from Niccolls. UC try to score—Resilience pays off. Now is the end (we won!) Spot the message.



Hockey

Seconds

The seconds maintained their fine run this weekend, with a convincing win over local rivals Uxbridge. Following the shock of having eleven players, an umpire and seeing Andy Garms is a suit and tie; the team made its own way to Harlington; Mr Gray strategically placed next to Tim Mitchell's girlfriend (Hope you're not reading this, Dana!).

Still in shock, the defence allowed Uxbridge to take the lead, but a goalkeeping error allowed Tim to equalise almost immediately—probably due to him having his thighs massaged as a pre-match warm-up! Team spirit consequently rose and by the interval we were two goals up through an excellent goal by Andy Garms and a Wylie Special.

In all a fine all-round performance by the team, especially Mr Stroomer, whose typically-aimless runs and consequent demolishing of the Uxbridge defence were an inspiration to all. Thanks to Arthur for pitch A and to Sarah for Tim's performance!

Team: *Jones, Cunningham, Whitehead, Rampton, Roessink, Stroomer (Capt), Garms, Gray, Mitchell, Wylie. Umpire: Mike.*

Ladies

Today, we decided to have another bash at beating Wye and even managed to put out a team of eleven players for the occasion. However it was a disastrous game and we were soundly beaten (5-2)—it's a pity we didn't play as well as we did against them last week. Still, it wasn't a total waste of time because Wye are a friendly bunch and gave us a lovely tea and we had a super ride through the Kent countryside. We arrived so early that we had time for a fifteen mile detour to see all those golden cornfields and rolling hillsides. Full marks to the driver for some inventive manoeuvring along some very tricky country lanes (I hope his cough gets better). Many thanks to Johnson for the constructive criticism (and for umpiring).

Team: *A. Coates, A. Longstaff, A. Crumbie, A. Wall, M. Storey, S. Halbard, K. Barnett, R. Lane, C. Brown, J. Birbeck, S. Crocker.*



QEC-IC Merger

Even though the statement issued this week was only a draft proposal to be put to both the governing bodies, it is quite obvious that as both principals have accepted the draft it will undoubtedly be the basis for any merger. Thus the students of this College must make their views known.

The draft proposal would seem to suggest that the biosciences from Imperial College would be combined with the food and nutrition courses at QEC to form a fourth Constituent College. I for one think that we should not kiss the Life Sciences division goodbye as a sacrificial lamb to save QEC. The Royal College of Science of necessity must include the Life Sciences and already has a strong reputation and tradition in this field. Establishing a fourth constituent college which would not have any real status (initially) by chopping off a lump of RCS seems ludicrous,

especially as RCS already has the status.

An emergency UGM has been called for which will take place next Thursday. This is the only way in which the Union can form policy with the direct involvement of the students involved. It is up to you, the students, to turn up and make your feelings clear.

I sympathise with the plight of QEC, who have been hit very hard by the cuts and must struggle to survive. But in keeping their identity, we must not lose ours.

Come along to the Emergency UGM being called for next week and let your views be known.

Bound Editions

Those people who took the wise decision to invest in a bound copy of last year's FELIX will be delighted to know that they have arrived. These can be collected from the office and reminders will be sent to those who ordered them.

The Knocking Shop

Still no response from the College about the awfully embarrassing refectory flat in the Union Quad. However, I note a bill before Parliament to legalise brothels, so I suppose Mr Mooney could take advantage of the situation and open a profitable outlet in the Union Building! We could whell in Lampost Lil and Backland Brenda and have a really wonderful time and it would probably be cheaper than his horrible beefburgers.

Douglas Bader

I'm delighted to see that Douglas Bader and the author of his official biography (Laddie Lucas) will be signing copies of the said tome in the IC Bookshop next Wednesday afternoon. See Bookshop News (page 9) for details.

The Sound of Silence

Surprise, surprise! Still not a word about the beef pasties which Mooney has been selling as lamb for God knows how long. Surely this sort of mistake requires not only an apology but a public explanation. After all, there are several groups in College who have been extremely offended by the whole affair. Mr Mooney, on the other hand, is obviously not treating the matter seriously.

If I have not received an explanation or denial by Monday (to print next week) then I suppose I shall be free to pronounce that Mr Mooney is personally responsible, as he obviously cares little for the thoughts (or stomachs) of the students at Imperial College.

So own up Vic—were they lamb or not? If not, why not? Or are you too scared to explain.

Credits

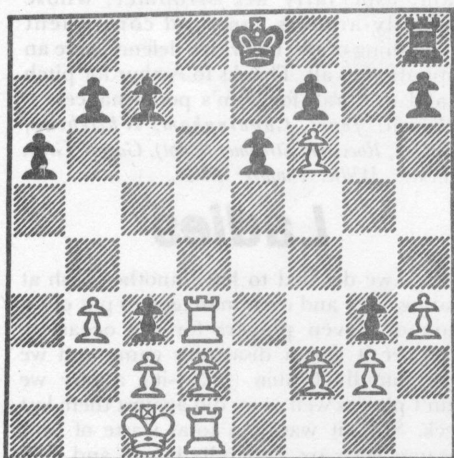
My thanks once again to Lesly, Peter, J. Martin, Martin, Paul, Christine and Adrian.

A special thank-you to Patrick (guest writer!) and all the wonderful collators (especially Izy).



Blanche and Melanie were deep in thought over a chess game when Wodge entered the room and wandered over to the board to watch. Blanche, as usual, was white and after a few minutes thought, she played a move, giving the position shown in the diagram. With more than his customary politeness, Wodge waited till the game was over before he started making comments.

Melanie (Black)



Blanche (White)

"Did you realise that from the position when I entered the room, Blanche could force mate in three moves?" he enquired.

Melanie looked suspicious. "Does it use any of the funny, obscure rules of chess?"

Wodge laughed, "the only 'funny' rules, as you call them, are castling and the en passant

rule, and neither of them is particularly obscure or difficult; they're just a little surprising when you come across them unexpectedly in puzzles. But there's no en passant involved here."

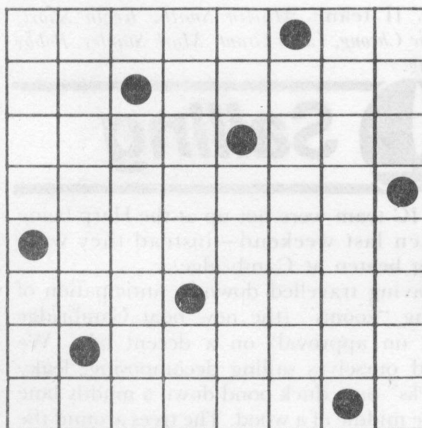
"What about castling?"

"I think you've had enough clues," grinned Wodge. "Let's see you find this mate in three."

What was the position when Wodge entered the room? What move did Blanche play? What should she have played? And how did Wodge deduce that this leads to mate in three? 'Mate in three', of course, means that White plays a move, then Black, then White, then Black, and then White mates.

Solutions, comments, criticisms to me at the FELIX Office, please. A prize of £5 (donated by Mend-a-Bike) and two tickets to the IC Choir concert will go to the correct solution drawn at 1:00pm on Wednesday.

Last Week's Solution



There are two solutions (without counting rotations and reflections) and the diagram shows the less obvious one. Tracy Carter, Civ Eng 1,

can collect her prize on Monday afternoon. Honourable mention for Antony Broadbent, Physics 2, who was the only one to find both solutions.

Sportsmanship

When I've set easy puzzles in the past, it has been obvious that one or two people have submitted duplicate entries, either under their own names (!) or names of collaborators. Now while I grudgingly admit that there's nothing to stop solvers showing their friends the solution, I'm a little annoyed when such unfair practices reach the point they did this week, with several sets of duplicate entries, and even reports of one mercenary (whom I won't name) selling the solution in return for an extortionate 75% share of the winnings.

So to protect the interests of those who solve and enter legitimately, any of you who are discovered perpetrating unsportsmanlike schemes in future will find yourselves blacklisted, and all your entries will go straight in the bin. I realise, of course, that such measures cannot prevent malpractice, but it will at least force you to disguise your handwriting on duplicate entries.

Christmas Competition

Inspired by Mr Humphries' superb letter on page 2, I'm offering a litre of wine and a large Christmas pud for the best anagram of any College personality, building, institution, domestic secretary, etc., etc. Closing date is Monday week, 1:00pm, and 'best' means 'most appropriate, witty, succinct, etc.'

Other News

Thanks to the choir for the extra prize this week. The tickets will be in the winner's pigeonhole by Wednesday evening.

Thanks too, to Grey Spider for this week's puzzle. After a run of easy ones, this one is good and difficult!

Finally, I forgot to tell you that the text I encoded in the 'triangle' puzzle four weeks ago is the first page of Kit Williams' 'Masquerade'.