

Ash Agrees To Burgess Plan

Union President Carl Burgess has reached an agreement with the Rector, Professor Eric Ash, that will prevent the Union losing control of the Lower Lounge. Mr Burgess met with Professor Ash and College Secretary John Smith on Tuesday to discuss the Union Building issue. It was agreed at this meeting that the Union Dining Hall and Senior Common Room would be available to the Department of Biology for use as seminar rooms. The Lower Lounge will not be converted into a lecture theatre, as College administration had initially intended (see FELIX No 721). The conversion of the Botany/Zoology common room into a lecture theatre for Biology is to go ahead as planned, however.

The original decision to transfer control of the rooms was taken at a meeting of the Rector's policy committee. The Union was not consulted.

Professor Ash agreed to discuss the matter following representations from Mr Burgess over how the decision was made. IC Union Executive met on Monday and approved alternative proposals suggested by Mr Burgess.

Mr Burgess told FELIX that Professor Ash and Mr Smith expressed complete agreement with his proposals at the meeting on Tuesday. He had said that for Biology to take over the Lounge would be an inefficient use of the room. The UDH and the SCR could be made available for Biology to use as morning seminar rooms, and it was undesirable to duplicate existing facilities. Professor Ash and Mr Smith both acknowledged that the Lounge was the only room suitable for parties and discos. It was accepted that the Union should retain control of the Lounge, and should let the UDH and SCR to Biology for a minimal fee. These plans will be put forward for approval of the Governing Body.

Mr Burgess also presented Professor Ash with a document expressing 'the feelings of the student body'. He was particularly concerned over the general lack of communication between College administration



Twenty Flight Rockers playing in the Lower Lounge

and the Union. Professor Ash apparently agreed with much of what Mr Burgess said, but added that there were other factors to take into account. He also described Biology as one of the 'up and coming' departments. He thought that the research projects were too spread out and that it was necessary to bring operations at Silwood back to South Kensington.

On Wednesday Mr Burgess and Deputy President Dave Kingston had a meeting with Keith Garwood, a senior Administrator at Queen Mary College, to discuss the takeover of the Union bar. Mr Garwood told them that the turnover of the QMC bar is £130,000, and its net surplus £20,000. IC Union bar has a turnover of £135,000 and, according to the figures available, a surplus of only £6,500 before overheads. Mr Garwood said that the bar must be run as a separate trading enterprise, and that the revenue from it could not be used to subsidise the Union subvention directly. He added that refurbishment costs would normally be met by the brewery.

Mr Burgess and Mr Kingston are still investigating the licensing arrangements for a student run Union Bar. If a Club

License or a Justice's License is obtained it will not be necessary for the Union to obtain a legal identity. The Union lawyer has advised Mr Burgess that a corporate legal identity could be set up for the Bar alone, not affecting the Union as a whole. This course of action would go against the wishes of the College Secretary. Mr Smith told FELIX last week that he would prefer the Union to have its own legal identity in order to achieve some independence from College administration. He added that the Union will be provided with all the available information on the finances of the Bar. He was not, however, prepared to use staff resources to produce more detailed accounts.

The Union bar floor was inspected recently by the Estates section. It was decided that the floor could undergo a further two sandings before it would have to be replaced. This represents an additional lifespan of 6 to 8 years. The cost of replacement was estimated at approximately £2,500, an amount which contrasts sharply with the figure of £20,000 which had been widely reported.



Editorial

The Union

For the last two months the future of the Union Building has dominated Union Officer's conversation and the news pages of FELIX. Weird and wacky schemes for the Union have been suggested by Sheffield beauraucrats and Union Officers but in the end it took Prof Ash to see sense. It is obvious that the Union needs a room to hold parties in. It is sensible that students should control the Union Bar.

The threat to the Union is still not over though. Biology are (as reported in FELIX last week) intending to move out of Ashurst Lodge gradually and also want to gradually move the staff back to London. This means that in a few years the department will need more room on campus and they will start moves to take over the Union again. College has been muttering about moving the Union from Beit since 1982. Next time Biology ask, they may receive some of the Union. It is vital that Carl Burgess, Union President, gets an agreement from College about the long term future of the Union so that we can plan how to develop the Union.

Security

Over the last few weeks numerous handbags, purses etc have stolen from parts of the College. Professional thieves know that students leave valuables lying about so don't leave things lying about unless you want them to be stolen.

Southside

Having tried Southside Bar — The Sequel (the wine bar next to Southside) I can recomend it thoroughly. The pizzas are excellant value and you can phone in orders (int 3286) and takeaway if you want.

Rag Record

Several weeks ago there was something about a go-go record being sold for Rag. The person selling this is in Pet Eng 1 and not the department stated.

Jobs

Kathy has just told me she has a list of jobs for people wanting to work this Christmas. Go and see her if you're interested.

Normans

It seems that nobody is eating at Norman's Snack Bar on a Wednesday evening. Please support this venture if you play sport. You can only get boring Mars bars at Harlington. Why not eat at Norman's rather than Harlington.

FELIX

There won't be a FELIX next Friday. Instead there will be an extra-special issue on the last Wednesday of term. The deadline for letters, sport etc will still be 1.30pm Monday.

Credits

Thanks to Chris Stapleton (I finally remembered your surname), Dave Jones, Richard Smith, Bill Goodwin, Mike Stone, Richard Smith, Rosemary Hosking, Tony Churchill, Andy Vickers, Richard Ellis, Sarah Kirk, Jim Clayden, Mark Cottle, Charlie Troup, Chris Edwards, Debbie Wilkes, Kamala Sen, Jane Spiegel, Sunny Bains, Grenvil Manuel, Alan Rose, Tracey, Lesley Gillingham, Don Fergusson, Pete Hobbis and everyone else. You're all wonderful.

There will be a staff meeting at 12.30pm today.

**The Union Refectory
Is Open
Wednesday
Evening
5.30pm-7.30pm**

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LETTERS

A Slagging

A Complete Condemnation of the IC Union Sabbaticals by the IC Badminton Club

'What a bunch of wallies!' (A quote from one of the badminton club players.)

Once again, the Union Sabbaticals have made a complete cock-up of what is one of their most basic duties—the booking of minibuses. So, let this be a warning to all you club captains, especially the 'unimportant clubs' ie badminton (or at least that's the impression that the sabbaticals gave us); even after giving three weeks notice of a minibus booking, don't ever actually trust the union!

The Story

Our badminton club captain was told by Quentin to collect the van from Budget Car/Van Hire, in Earls Court. Accordingly we left IC at 11.00am to walk to Earl's Court to collect the van, arranging to pick up the other players at IC at 12.00am.

On arriving at Budget, the brunette behind the desk denied all knowledge of an IC booking—all their vans being fully booked until the end of the month. Unabashed, we tried the blonde, but she too denied all knowledge. Panic. We tried phoning the Union Office-Quentin wasn't in, but Cathy confirmed that we should have had a booking with Budget. We decided to head back to the Union Office, as there didn't seem to be any 'spare' vans in sight.

Back at the Union at 11.50am the refrain of the day seemed to be 'Quentin's returning in five minutes'. Unfortunately, one and half hours later, this refrain had lost some of its appeal. So, as Carl had gone home to visit mummy as he was ill, we were forced (in sheer desperation) to turn to Dave, the deputy president, for help. To our immense surprise, Dave actually acted—picked the Union van bookings file and studied it very intensely.

However, as this course of action wasn't very forthcoming, he turned his attention to a different source—the yellow pages. Several phone calls later he managed to locate a hire company with a spare transit van. This was 1.30pm, and we were told to collect the van in an hour. Hurray—we might actually get there. So, over to Battersea, to eventually collect the van at 3.00pm.

All went well, until we reached the first junction on leaving the van hire firm. The van stalled. Puzzled, we restarted the engine, and continued as far as the next junction, where the van stalled again. Several stalls later we reached IC to pick up the rest of the team, (only three and half hours late, with the prospect of reaching Nottingham on time (ie in a hour's time) fairly unlikely!

However even the least mechanically minded players in the team could perceive that when the van stalled at every set of traffic lights/junction that there must be some 'minor' fault. But the badminton team is comprised of keen players, we all refused point blank to abandon the minibus, and continued on a rather slow journey out of London. Luckily the M1 part of the journey was somewhat more peaceful mostly due to the lack of traffic lights.

Next trouble: the minibus refused to start on Saturday morning-solution, call out the AA, whilst two kind parents take the badminton players to the University Sports hall. The AA man was able to fix the minibus so that we'd get back to London, the main trouble being the choke, but this was partially solved by having somebody with free hands to operate it whilst we were driving.

Luckily for us, that was the last peice of trouble that we encountered minibus wise..unfortunatley the badminton troubles weren't as easily solved as the badminton report will explain

Conclusion

The Union Sabbaticals made a total mess of this duty. Indeed, Quentin F

returned to the Union just after Dave had booked the minibus; he showed surprise at being told that Budget had no van booked for us, but on hearing that Dave had booked another van for us, was quite happy to leave the matter at that, with no thought of an apology even crossing his mind.

We, the badminton club, don't know if any other club has encountered 3½ hour delays, but be warned!!

Susan Yates (Authoress, ICBC Treasurer, ICBC Ladies Capt)

Gary Chapman (ICBC Captain)

Dave Heaps (Driver)

Sean Mulshaw

Steve Madden

Andy McAleer

Bharat Papat

Sarah Threadgold

Where Goop?

Dear People,
Sometime between Sept 20th and now, a box of my junk has been removed (probably accidently) from the Garden House basement store-room in house 12.

Would the unfortunate guardian of my saucepan, cookbooks (2 veggie), assorted rag-mags, ashtrays, signs etc please give them to the people at the RCSU Office, so that they can look after it until my next visit back (Sometime in December).
Yours hopefully
C Crosskey

Dear Dean

Dear Professor Sayers,
As you are no doubt aware there is much strong feeling in the department about the loss of a room free for undergraduates. We realise that the department has been forced into this by a shortage of teaching space, and that this problem will worsen with the increase in undergraduate numbers next year.

With departments such as ours expanding while others stagnate or even contract the time has now come for central control of lecture theatres and teaching rooms. These are a valuable resource. If the only fault of the current system was for rooms such as LT145 to be uncomfortably full when

other rooms are half empty that would be bad enough. However both the loss of the undergraduates' room and the planned takeover of the Lounge and Bot/Zoo tearoom by the Biology Dept. can be traced to the same problem.

If rooms for teaching were shared, with many departments possibly using one room throughout a day, then all these problems would be solved. Initially only small changes to current patterns would be needed, so administrative effort would be small. However as relative sizes of departments change then more changes would be needed, increasing administrative effort. However the savings in time and money would increase too. To have two departments short of space for teaching when the UGC has criticised Imperial for having *too much* of this type of space is surely evidence of inflexibility leading to inefficiency.

Three students from DoC 2 brought this matter up in another context with the College Secretary on November 11th, and he agreed that central control would solve many problems, that the idea has been mooted before, and that it had failed due to resistance from departments.

But surely now is the time for action. We the undersigned in Doc 2 call on the college to prepare a plan of change to be presented at The 5th March 1986 House Committee and implemented before the beginning of the next academic year.

We ask also that you consider lending your support to the idea, and await your reply.
Loads of Computing Students.
Copy sent to FELIX

Posters

Dear Hugh,
Sadly, last week some rather small-minded student(s) decided to tear down and trample over our CND posters entitled 'Can Russia Cheat'. Obviously someone thinks that the defence of democracy and our freedom of speech must not be jeopardised by anything—including those freedoms themselves.

To quote Carl Burgess: 'Anyone caught damaging any society's posters will be sent to a disciplinary Committee who have the

power to fine and/or ban from the union'.

I often find posters offensive, for example the FCS efforts and some of the more sexist offerings that we've seen recently, however if I were to do something about any of them, it would be to speak to those concerned. Indeed, if someone has a genuine grievance over our advertising literature I would be happy to try to make it more 'acceptable', surely, though, people who tear down anything they don't agree with should start asking themselves some serious questions.
Yours sincerely
Mark Harman
ICCND Chairperson.

The End?

Dear Sir,
Last Friday's Guilds Carnival has been widely acclaimed as one of the best events to have been held in College for a long time. All the different acts were of a consistently high quality so that everyone could make the most of all that was going on. In good faith we organised the best quality entertainment for a grand finale to Rag week

with every expectation of making a good profit for charity. Professional entertainment does not come cheap, so we had to raise the cost by 50p from last year to £4.00. Was that really too much to pay? Do members of College want Top-of-the-Pops style entertainment for the price of a cattle-market disco?

Sadly, there were not enough people present and a large loss has been made. In Guilds we have been asking ourselves what went wrong. Publicity in terms of posters, handbills and FELIX was well covered. The ticket sellers were out in most departments and the groups, comedians and discos were carefully selected, so what did go wrong? We would like to know.

At the moment we will have to assume that members of College do not want or are not prepared to pay for good quality ents and therefore we will be recommending that similar events do not take place again.

We deeply regret the loss of union money on this venture.

Yours sincerely and dependently on behalf of
City and Guilds Union
Roger Preece

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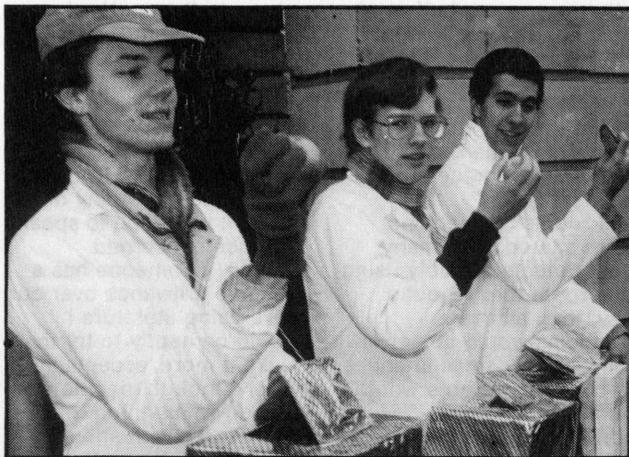



Beit Revisited

Channel Four have been using the Union Building as a set for a new television film this week. The Union is receiving £750 rent for the use of the Union Dining Hall and the Union Building main entrance. The UDH has been turned into a courtroom for the purpose of filming a custody suit. The film, directed by Mike Newel, is entitled *The Good Father* and was taken from the book by Peter Prince. On location at Imperial have been Simon Callow, Clifford Rose and Anthony Hopkins.

Intensive Care

Third year chemist Andrew Healey is in intensive care with thallium poisoning. Mr Healey was taken into hospital on Friday night after his flat mates raised the alarm. Mr Healey was using thallium for his third year project. College safety authorities are investigating.



Several IC students imitated a fruit machine at Covent Garden last Saturday to raise money for Rag Week. With a few changes of cast, the 'show' went on long enough to collect £128.21, 5 pesetas and 2 Irish pence. Playing lead roles were Steve 'Mango' Molyneux, Peter 'Kiwi Fruit' White, Mark 'The Arm' Mascal, Chris 'Passion Fruit' Eardley, and Gary 'The System' Malaghan.

Members Only

The photos of four Union notables exposing themselves in the Union bar will be published in the Christmas Edition of FELIX on Wednesday 11. Some money has already been donated to Rag. All will/will not be revealed!

Guided Petition

Liverpool Guild Executive are petitioning students to support their decision to withhold half their affiliation fees. Guild Executive member Mike Brennan refuted rumours that they were trying to get themselves expelled from NUS. He claimed they were 'definitely not disaffiliating'. They received a telephone call from Ulster University and a Polytechnic Students Union, whose NUS fee had been upped from £18,000 to £27,000. Ulster Union said they were going to refuse to pay the excess.

None Over The Eight

Only 8 people turned out for the repeated RCS Street Collection last Saturday, but they still managed to raise £250 for Rag. The event was re-scheduled after a poor attendance the previous week when 30 students took part in the Collection.

Treble Twenty

The RCS 'One million and one' darts was won by the 'Rest of the World' side who defeated Physics at 6.30am on Monday morning, after playing for over 60 hours. Star of the side was Chris Shaw of Chemistry.

Mascotry Madness

About 25 QMC students raided the RCS office on Wednesday afternoon in an unsuccessful attempt to recapture Mary, their mascot, which is currently in the possession of RCSU. Being unable to find Mary, the students removed a number of QMC signs from the Office and attempted to steal Fagin, the RCS Rag mascot. RCS VP Jackie Peirce remonstrated with the QMC students and told them that to steal Fagin would constitute theft since it is not violate. Miss Peirce rang IC Union office and reported the arrival of the group of students. Guy Perry contacted the Security office, and then brought about ten members of Karate club from Southside gym to the RCS office. Miss Peirce persuaded the QMC students that they would have to meet certain demands, such as a blood donation, in order to retrieve Mary. They finally agreed to this but commented that, if the demands were unreasonable, RCSU would be 'for it'. The students then left the office peacefully. Miss Peirce will be writing to QMC Union to inform them of the conditions which they must meet.

Slightly earlier in the afternoon, three people had entered IC Union office and asked to speak to someone from RCSU. They claimed to be from London Student newspaper, but were not carrying writing materials and did not know the name, or the sex, of the Editor. It became clear that they were QMC students when they recognised Mr Keith Garwood, a senior administrator at QMC, who was involved in a discussion with Union President Carl Burgess and Deputy President Dave Kingston.

In a separate incident on Wednesday a man came into the Union office and asked to see 'Mike'. He explained that he was on an army initiative course and had been instructed to meet 'Mike' in the IC Union Office. 'Mike' is a four-foot micrometer,' the mascot of Imperial College Union.

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Small Ads

ANNOUNCEMENTS

- **Squint? Lazy Eye?** The Vision Research Group is carrying out research into these conditions (Known jointly as amblyopia). If you suspect you have had either of them we would like to see you, maybe you could help us with a few interesting and PAID experiments. Contact Jane Bromley Room 712, Physics Department Ext 6733.
- **Tonight, the Blow Monkeys.** Kiss Tomorrow Goodbye, Disco, only £1.50 the Lounge, 29th Nov see you there.
- **Do you** think leather is hor-ny!
- **Anyone with an interest** in strangely shaped vegetables, see Simon, Life Sci 2.
- **Alaap will soon arrive!**
- **Boys and Girls,** I present Alaap.
- **On the other hand,** Alaap present themselves!
- **What the hell is Alaap?** See the India Soc Committee.
- **Payment of tuition fees by local education authorities** With the abolition of the minimum maintenance award some students may be under the impression that College tuition fees relating to their course of study will be paid automatically by their local education authority without any action by themselves. This is not the case, and unless formal application is made annually to an LEA payments for tuition fees will not be made by the LEA. It is essential, therefore, that any students who have not so far made formal application to their LEA should do so, as a matter of urgency.
- **Anyone interested in doing** any odd jobs with the Jobber Squad—Come along to the ICCAG meetings.

(12.30pm Monday, Union Building top Floor).

- **Come on down y'all** to the rooting-tooting California. Wine Tasting. Guaranteed on-going meaningful evening. Sample subtleties of Sonoma, nuances of Napa and mouthfuls of Mendocino. Tues 6.00pm SCR Dec 3rd £4.00.
- **Oddsoc** meets every Friday lunchtime in JCR. Membership now 21.
- **Will RCS Netball** regroup for their 2nd fixture of the season? Find out at the RCS barnight Sunday, Union Bar.
- **Anyone wanting a lift** to Northumberland or anywhere en route on Tuesday 17 December. Contact Estelle Simpson Chem Eng 3 or Paul Bloomfield Maths 3.
- **The Fourth Day** of the week is on Saturday.
- **Thanks to everyone** who sponsored Charles on his piano playing marathon—if you haven't paid please do so asap!
- **The Fourth Day** of the week is on 999KHz 301mMW.
- **Falmouth Keogh Football** team are looking for (Quality?) opposition for next term. Please contact Russel Hardy via Chem Eng Letter Racks.
- **The Fourth Day** of the week is on 999KHz 301m MW.
- **Don't be left behind**—Join Oddsoc.
- **Happy 7th Birthday** IC Radio, here's to the next 7 years too...
- **Disco for hire,** for all your Xmas parties get in touch with an experienced, reasonable outfit. Book the Linstead Hall Disco via Peter Murphy Physics 3 or Room 322 in Linstead.

FOR SALE

- **Keen to join a Band?** Any standard of guitarist, bassist or synth players wanted. Apply Dan Q Salmons, Physics 1.
- **Besson Euphonium** B Flat and 4 Valves. Imperial Model—matt silver finish complete with hard case ann

lyre. £1250 Contact Andrew Webb—821 8321. or Chem Eng UG letter racks.

● **Complete set Bay City Rollers** albums and platform shoes and tartan flares. Contact Paul Fernandez Physics 3.

ACCOMMODATION

- **Single girl** wanted to share large double bedroom and private bathroom in Lexham Gdns Penthouse flat. Ring Caroline on 373 9214.
- **Many places** still available in 81 Lexham Gdns (College Head Tenancy) for immediate occupation from £30 week approx inc bills. Central heating. See Student Services, 15 Princes Gdns.

PERSONAL

- **Purple and green** should never be seen!
- **Griffin**—put it in the toilet, not in your mouth.
- **Willis Jackson Engagement stakes:** Hevy/Wendy 2-1 on, Grant/Liza 3-1, Kevin/Liz 10-1, Simon/Brenda 25-1,

James/Caroline 33-1, Nigal/Paula 100-1 Tony/Maria non-runner.

- **Beam Me Up Scottie** — to Bot Zoo on Friday and Mech Eng 220 next Thursday!
- **She canna take much** more of this Cap'n! Don't worry Scotty, just put another video in.
- **Ahead** warp factor 6 Mr. Sulu, to Mech Eng 220.
- **See** Spock die!
- **He's dead Jim** - but only if you miss the SFSOC Video Night.
- **Gill's bodywarmer** has gone home. Cheer up! Captain Willpower.
- **Rent-a-scrum?** Contact the Chem Eng Scrum Company for complete satisfaction. Alternatively ring MH on 01-386 5801 for personal attention.
- **P.P.P.** Permanently Pissed Papist. When will you sober up?
- **Thank you Norman,** old fellow. You did us proud. With much love and kisses from the ICR NASB people.

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IC And The Environment

Public awareness of environmental issues has grown considerably over the last decade, and this has been partly due to the work of Greenpeace and the other pressure groups. The result is a growing public concern, which is reflected in an increase in the amount of scientific research aimed at investigating the impact technological developments have on the environment with radioactive releases. Yet, at present there is a great deal we don't understand about the ways that radioactive pollutants become dispersed in the environment, and the detrimental effects on health that may result from exposure to very small doses of radiation. It is important that governments and the public have access to high quality information, so that balanced judgements can be made on the basis of both social and scientific factors.

Here at Imperial College there are a growing number of research teams concerned with the interaction between scientific developments and the environment. One such team is the Environmental Safety group in the Mechanical Engineering Department, headed by Professor A Goddard. Their work focuses on the relationship between engineering plants and the environment, in particular, the risks associated with radioactive releases. Much of their work is theoretical and based in the Mechanical Engineering Department but they are also involved in a great deal of interdisciplinary work, which has involved moving across the interdepartmental boundaries at Imperial. The setting up of the Environmental Technology Centre in 1976 paved the way for this type of work but it is still a formidable task to coordinate projects between departments. However, the breadth of experience gained makes up for this.

A great deal of data on

the effects of exposure to high levels of radiation has been collected from studies on the victims of Hiroshima, and on people who have suffered industrial exposure. The link between human exposure to relatively high levels of radiation, and the incidence of cancer and genetic effects is now widely accepted. However, much less is known about the effects of exposure to smaller doses from artificial sources because they are generally swamped by variations in the natural background level. So most people work on the basis that even the lowest doses of radiation may cause adverse effects. Then the decision has to be made as to whether man-made radiation exposure is only acceptable if it produces direct beneficial effects, or as long as it remains insignificant in relation to the natural background level. In the case of medical exposure people accept that the benefits outweigh the dangers. But, the case of nuclear power plants is far more contentious and people have a right to know the full facts before decisions are made.

Professor Goddard's team have developed expertise in many aspects of the way radioactive releases, accidental or otherwise, are dispersed in the environment. In the past their work has covered theoretical modelling of dispersal around buildings, near shorelines (where nuclear power stations tend to be built) and over longer ranges. Working for the European Community, they have been looking into the transfrontier implications in the event of an accident. Emergency procedures at nuclear power stations are clearly of importance and Dr Apsimon of the group is currently involved in developing improved methods for predicting consequences in the event of a major incident. In these difficult circumstances, decisions would have to be made to protect people, while

detailed information would be lacking.

Pathway analysis for radioactive pollutants is particularly complex as cloud exposure, inhalation, and ingestion of contaminated foodstuffs, all have to be considered. Computer models are used for much of this work, but the data has to be based on a thorough understanding of the transfer processes of pollution in the environment. As an aid to studying how radioactivity from the atmosphere becomes incorporated into crops, a new inter-departmental wind tunnel has been built at Silwood Park. The tunnel, which was designed by Dr Taylor-Russel from Aeronautics, was inaugurated by the Rector on 25 October. Dr Bell from Pure and Applied Biology, and Miss Minski from the Reactor Centre are collaborating on this project, which should provide valuable information for the assessment of risk in the event of accidental release of radioactive pollutants.

The late 1984 there was an exceptional release of radioactive waste into the Irish Sea, from Sellafield. Following this event, the Department of the Environment asked the College to make a study of radioactivity levels in domestic dust in Cumbria. From this project the group collaborated with the Reactor Centre, who have experience in working with low levels of radioactivity, and the Applied Geochemistry Research Group (AGRG) under Dr Thornton. The AGRG have been looking at lead levels in the environment, and their experience in conducting surveys, and dealing with local authorities and the public has proved to be invaluable. The local soils

in Cumbria naturally contain a low level of radiation and the aim of the project was to discover whether any radioactivity found in the building resulted from this natural soil radiation, or if it was coming from the seaspray as a consequence of the waste release. The joint paper is expected to come out in late December or early January.

The group's work also covers the implications of pollution releases on a European scale; more than 10 years ago they were one of the first research teams at Imperial College to gain European Community backing. Using meteorological data extending over the whole of Europe, Dr Apsimon has developed computer models to predict the trajectories of pollutants. These methods, which were originally developed to study radioactive releases and their transfrontier effects, are now being used in Germany to study the acid rain problems. It is believed that many of the current problems affecting German forests are caused by pollution from other European countries, in particular, those Eastern European countries that burn high sulphur coals. It is hoped the studies will either provide evidence that pollution is coming from these countries, or show that the problem results from vehicle emissions and is a much more widespread problem.

As our understanding of the interaction between technological developments and the environment increases, it will allow more balanced judgements to be made. More importantly, however, this increased knowledge will allow us to take steps to protect the environment.

Monday 9pm



Birthday Party

**Competitions
Free Birthday Cake
Fun and Frolcs**



Southside Bar

IC Symphony Orchestra

Today's the day! At last, the musical event for which you've all been waiting—an unparalleled and staggering evening's entertainment the like of which has yet to be seen within College...well, actually it's ICISO's Autumn term concert (but some of that pre-amble still applies!)

Since it's the first concert of the new year, we thought that we'd tell you a

the Orchestra each year.

Well, that's enough about our activities, now for a brief word about our conductor, Mr Richard Dickins. He has been with ICISO for over five years, in that time the Orchestra has grown both in numbers and confidence. Ever more outrageously ambitious programmes are being tackled from 'The Planets'

(students) will enable you to hear the Orchestra in its most romantic vein. Tchaikovsky's 'Romeo and Juliet' opens the concert (It's got a very well-known tune.) This will be followed by 'The Lark Ascending' by Vaughan-Williams. It's an enchanting work for solo violin and small orchestra, based on the poetry of George Meredith. Visions of the English countryside are conjured up; it's a very pastoral and calm piece. In this performance, we are fortunate to have David Juntz, from the English Chamber Orchestra, playing the solo part. David Juntz was born in

Cape Town, South Africa in 1957 and had his first violin lessons at the age of six from Noel Travers. At seventeen he was awarded a scholarship to study at the Royal College of Music, with Hugh Bean and Jaroslav Vanecet. Whilst there, he won all the major prizes for violin and chamber music including the Tagore Gold Medal.

On leaving College in 1981, he joined the English Chamber Orchestra, and has since appeared as a soloist with them, the English Philharmonic and many others. In February this year, he had his South Bank debut. David plays on a fine Italian violin made by Nicolo Lagliano in Naples, circa 1750.

After the interval (to give you time to recover from this wonderful English music), your senses will be stunned by Rachmaninov's 2nd Symphony. It's a large-scale and exceedingly romantic work that is exciting, poignant, sensual and definitely worth hearing!

ICISO are looking forward to seeing you tonight—it should be a good concert, it will whet your appetite for Mahler's 2nd Symphony — next term!



little about what the Orchestra gets up to, with whom and where, and try to entice you to this evening's concert.

Imperial College Symphony Orchestra has, at present, about eighty members. A good proportion of these meet every Wednesday at 7.00pm in the Great Hall for a three hour session of blowing, scraping, bashing and generally driving our conductor to despair. In addition to these weekly rehearsals, there are occasional repertoire mornings when the Orchestra tackle a wider variety of music than in the year's concert programmes.

An annual event that everyone looks forward to is the residential weekend, held in the first term. The venue is Silwood Park, Imperial's field research station near Ascot. This provides a wonderful opportunity for new members to meet older ones, and to play a great deal of music in beautiful surroundings. In between full rehearsals and much-needed trips to the local pub, chamber music groups find time to meet and get together. It's a very concentrated weekend, but one which is enjoyed by

Suite' to last year's epic, Stravinsky's 'The Rite of Spring'. And just wait for next year's monumental presentation...anyway, back to the Maestro.

Richard Dickins began his musical training as a chorister (but he soon grew out of that). In 1975 he entered the RCM as a clarinetist, and the following year he was awarded an exhibition. It was at this time that he began his conducting studies with Norman Del Mar. He left the College in 1979 having won a number (which?) of prizes for both clarinet playing and conducting.

Richard's debut was in 1980 in the Albert Hall, since when he has kept a busy schedule, rushing between La Scala, Edinburgh, Sadler's Wells and darkest Exmoor. He is currently music director of the Minehead and Exmoor Festival, and the Covent Garden Chamber Orchestra. (What the written word cannot convey is the dynamic nature of this man's conducting—it has to be seen to be fully appreciated!)

Now for this term's concert. It's tonight (November 29), at 8.00pm in the Great Hall. Just £1

LEMMING JELLY PRODUCTIONS
in association with Guilds
present

The almost Winter Solstice gig



HAZE

plus TWICE BITTEN

Monday 9th December

8 till 11pm

in the Lounge

£2 on the door

£1.50 in advance from Jelly
in the Guilds office, or from

the Felix office.



"money for nothing"

For many students a grant is now a vague memory, either spent or down to the last few pounds, time now to think of claiming money over the Christmas vacation. This article should give you an idea of what you can claim and how to do it.

Undergraduate Students
The undergraduate student grant contains an element of £27.50pw to cover your living expenses during the Christmas and Easter vacations. Unlike term-time, there is no element included in the grant for rent over these periods. If you have to pay rent during these vacations, you are entitled to claim the money back.

Postgraduate Students
Postgraduate grants contain living and rent elements for 52 weeks of the year and therefore postgraduate students have no extra eligibility for benefits over the vacations.

Which method should you use?

A) Staying in London: There are two methods of claiming rent money back, the one to use depends partly on whether you intend to remain at your term-time address over the Christmas period. The fastest and most efficient way to get the maximum amount, if you are eligible, is to 'sign on' as unemployed with the Department of Health and Social Security, the DHSS. For payments from the DHSS, Certificated Housing Benefit, you need to be in London throughout the Christmas period, be classed as a householder and be available for work in the area in which you live.

B) Going Home: However, for those who do not want to remain in London over the Christmas break but have to pay rent for a term-time address you can still claim the money back through Standard Housing Benefit.

If you have ever been employed: In addition to Housing Benefit those who have been employed in the relevant tax year, see next section, may be entitled to Unemployment Benefit.

How to claim and what to claim:

Unemployment Benefit
The calculations behind this benefit are long and complicated particularly over the Christmas vacation as the conditions of eligibility change on January 1st.

Who is eligible: Anyone who has paid or been credited with National Insurance contributions on earnings of at least £1689 in the tax year 1983/84 will be eligible for the entire vacation period. Anyone who has paid or been credited with National Insurance contributions on earnings of at least £1767 in the tax year 1984/85 will be eligible from the 1st January. If you only become eligible from January 1st DO NOT APPLY IN DECEMBER, if

you do you will be ruled ineligible and your claim will remain invalid for the entire vacation. **This is called the 8 week rule.**

To claim: Go to your local Unemployment Benefit Office on the first weekday of the vacation and 'sign on' as unemployed and available for work. They will need proof of your identity and will need to know your National Insurance number. Read on to the section on Standard Housing Benefit.

It is worth noting that Unemployment Benefit can be claimed from any Unemployment Benefit Office in the area you are staying in when you become eligible. If you are claiming Unemployment Benefit you should be able to claim Standard Housing Benefit.

Staying in London: Certificated Housing Benefit
This form of Housing Benefit is only available to those able to 'sign on' as unemployed and available for work in the area in which they are paying rent. **It is also dependent on your eligibility for Supplementary Benefit**

To Claim: Go to the local Unemployment Benefit Office on the first weekday of the vacation and 'sign on' as unemployed and available for work. If you are not eligible for Unemployment Benefit then your papers will automatically be forwarded to the local DHSS. The Unemployment Benefit Office will tell you if and when they want you to 'sign on' again and will give you form B1 to take or send to your local DHSS office. The DHSS may call you for an interview and will need proof of identity and your financial situation ie recent bank statements etc. The DHSS pay a basic living allowance and will authorise the local Housing Authority to pay Certificated Housing Benefit. The Housing Authority will send out forms to be completed to be returned with proof of rent and rates. Payments of

Benefit are considered a priority and should be processed within fourteen days, though they rarely are. The main disadvantage of the Certificated Housing Benefit system is its dependence on eligibility for Supplementary Benefit which excludes a large proportion of students.

Who will qualify: Students not receiving grants should qualify, other students will have to rely on the possibility of being classified as a 'householder', by the DHSS. There are two types of Supplementary Benefit — householder and non-householder. A householder is defined as someone who is solely responsible for meeting all the costs of their 'household' and they receive a slightly higher rate of Supplementary Benefit.

Householders: However, some students living in individual bedsits may be classed as 'householders' and as the student vacation element is lower than the 'householder' rate you should be eligible for a small weekly sum from the DHSS and in these cases the DHSS will authorise

payment of Certificated Housing Benefit. The Term 'householder' is loose and ill-defined and open to appeal but obviously the DHSS will seek to classify students as non-householders if possible.

Non-householders: Most students living with a landlady/landlord or sharing a flat with friends will be classed as non-householders and as the living element in the grant is a slightly higher amount than the non-householder rate, you will not qualify for Supplementary Benefit and will not be eligible for Certificated Housing Benefit.

Housing Benefit Supplement
If you do not qualify for Supplementary Benefit, the DHSS should still make an assessment for Housing Benefit Supplement. They will send you a Standard Housing Benefit claim form to send to the Local Housing Authority but it will be marked with an 'excess income figure' which in the long term will provide you with slightly more benefit than if you approached the Housing Authority direct.

How to claim if you are leaving London for the vacation
Standard Housing Benefit
Some of you will hopefully already have submitted claims for Standard Housing Benefit during term-time although most of you will still be awaiting the result of your claim. During the short vacation your official weekly income drops to £27.50 pw and there is no rent element included in this sum, so if you claim standard Housing Benefit over the vacation you will receive considerably more than term-time. Students who were not eligible in term-time using this system should be eligible for some money back in the vacation due to a drop in income. This benefit doesn't involve any 'signing on' and can be paid even if you are not resident in your term-time address over the vacation.

To claim-if you have already submitted a claim: In theory if you have already submitted a claim, stating term dates you

should automatically be re-assessed. In practice this rarely happens. It is wise to write to the Housing Benefit Office and state that it is now vacation time and that as your weekly income is only £27.50 pw you wish to have your Housing Benefit reassessed for the period 14th December 1985-5th January 1986. Also inform them that you will not be working over the vacation. They will send you a declaration to this effect, for you to sign.

To claim-if you haven't already submitted a claim: You should submit claim forms the week before term ends. Student Services has forms for 22 boroughs, if we haven't got the one you need then we can tell you where to get hold of them. When you submit your form you will need to include proof of your grant from your Local Education Authority, proof of rent is rent book/rent receipt/letter from your landlord/letter from Student Services if we are your landlord and a note of your term dates. **Remember claims will not be backdated so apply before the vacation, not after.**

"money for nothing"

"money for nothing"

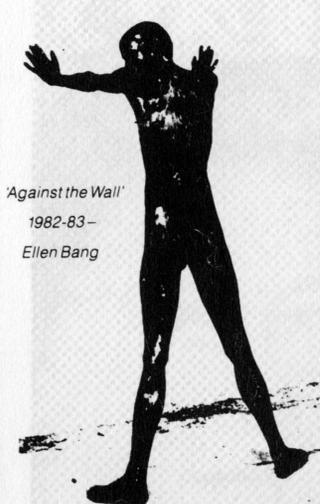
Hamlet Gardens
1 flat for 2 1 flat for 6 1 flat for 8
Shared Single Spaces Available
£26.50pw plus bills

Lexham Gardens
Flats For 5 and 6
Various double rooms and single shared spaces
Ten minutes walking distance from College.
£30pw plus bills

Applications invited from groups of any size. Call into Student Services now! Or ring 3601

Anyone passing the RCA recently can't have missed the incongruous sight of two Christmas trees agitating in a washing machine and another being rotated by a bakery mixer. This blatant misuse of confiners is intended to attract you to the **Art in Norway Today** exhibition which continues until the 8th December. The exhibition features the

work of thirteen artists and the number is yet another reminder of the legendary Scandinavian depressiveness which is apparent in the vast majority of the pieces on show. All the work is abstract with the painting ranging from dark brown and suicidal to the obscenely fluorescent with plenty of drivel between. Thankfully there is little of



Against the Wall
1982-83 -
Ellen Bang

the 'it's art because I threw the paint 20 feet with one hand behind my back' school, though some comes close, and one or two do have the touch of genius. Upstairs there is a display of complex yet uninspiring glassware but the most impressive aspect is the very high standard of sculpture. All in all it is well worth a visit, it's free and just two minutes walk from College. Just make sure you're cheerful before you go in. For those who don't want to look too hard for an underlying metaphor keep your eyes peeled for a painting called 'drug orgasm'.

reviews

I've been bombarded with various unsolicited and rubbishy books lately; here are three of them...

The short timers by Gustav Hasford is yet another nasty Vietnam book with lots of blood, guts n' gore, trying to shock all us bourgeois readers into feeling guilty about a stupid American

war. Just 'cos its got street cred, thats no excuse for bad writing, unintelligible

books

plot and boring characters. I pity the author having to go though all that twice - once in Nam and once on

paper.

Published by Javelin is a collection of 'funny' radio and TV comedy scripts, put together by ex-Goodies Graeme Garden and Bill Oddie. These are no-where near as brilliant as they sound on record and certainly not worth shelling out £1.95 for.

The last and worst book is

another Javelin one - called Comet Catastrophe by Roger Sutherland. It takes 120 pages to ramblingly propose the theory that major disasters and moments of mass hysteria are caused by the close proximity of Halley's Comet. In another 76 years it'll probably be a collector's item.

SHAKESPEARE

The performance of **King Lear** at the Almeida in Islington begins a short season of plays that were well received on the Edinburgh Fringe. This production by the Kick Theatre Company, a professional ensemble with strong connections with the Central School of Speech and Drama, was universally acclaimed in Edinburgh by both critics and audiences alike, which in itself is a major achievement.

According to the programme notes, Kick Theatre 'specialises in the innovative production of classic works', and this intention can certainly be seen in their version of 'King Lear'. None of the cast left the stage during the performance—when not involved in the action they sat around the edge and watched, or remained motionless at the top of the three large step-ladders which together with a chair formed the only scenery. The storm scene was played with two or three spotlights and two sets of extremely loud kettle drums, while the actors dipped their heads in buckets of water in case the audience still hadn't got

the message.

There is a fine borderline between innovation and gimmickry, and it can be all too easy for inventive direction to degenerate into cleverness for cleverness' sake rather than adding something worthwhile to the script. Here, a combination of intelligent direction and the excellent acting of (most of) the cast help to

save the production from this danger. I found it easy to grasp the intricacies of the plot, whereas some other productions have been rather more difficult to follow—and so the imaginative staging seems to pay off.

The Kick Theatre **King Lear** closes at the Almeida Theatre (Almeida St. Islington) on Saturday Nov 30th.

Alan Ayckbourn's **Bedroom Farce** can be extremely funny. He has taken the infamous plot of bed-swapping and constructed a play on the theme. The radically different characters indulge in a stunning interplay, ignoring reality and sinking deeper into muddle and mayhem, to emerge triumphant and happy (ever after).

Imperial College Dramatic Society have developed an interesting, if not

muscle strain, and his wife Jan (Ros Benster), an ex-lover of Trevor. Trevor's parents, Ernest and Delia (John Haslam and Vivienne Inkster) are a typically normal, middle aged, middle class, demobbed couple. They present a contrast to the fourth pair, Malcolm and Kate (Ciaran Hasset and Sara Townson) who are young, newly housed, over keen to sort out their lives, but extremely hassled.

imaginative

production of

this farce under

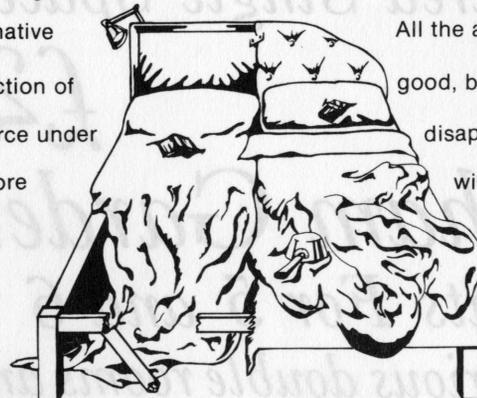
the more

All the acting is

good, but I was

disappointed

with the



than competent direction of Nikki Scott. The set is good. The action is set in three bedrooms and involves four couples. Trevor and Susannah (Simon Lewis and Vanessa Dodge), a young, trendy and way out pair, have a troubled marriage. They make life unbearable for Nick (John Burgess) who is bed-ridden with dorsal

characters. I felt that Ernest was not sufficiently ex-army and Jan was not sufficiently severe. But all told, ICDS's production of **Bedroom Farce** will provide a good evening's entertainment for a mere £1.50. I recommend that you see it on December 4, 5, 6 or 7 at 8.00pm. Watch out for Nick's battle with his Book!

KICK THEATRE

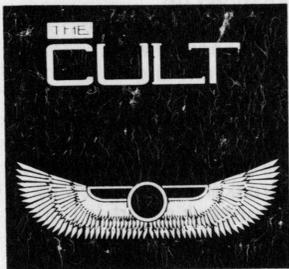
ANDSB IDSB S

£4.50 Love

There is a disturbing trend among some contemporary rock guitarists to compete for what one might call *Jim Hendrix credibility*. There is also a disturbing trend among modern audiences for turning concerts into boxing marathons. Both were in evidence at the Hammersmith Palais last Sunday where The Cult wound up their UK tour.

Despite this they produced an evening of searing sweat and entertainment.

Hippies are back, no question about it. Ian Astbury looks like a cross between Jim Morrison and Neil of the Young Ones, although where Morrison was the eloquence of a generation Astbury's vocabulary consists largely of 'Ta'. From even before they came on to a blaze of



projectors there was no doubt that the evening was laced with the trappings of psychedelia. The symbolism embellishing the new album 'Love' is a ringer for Led Zeppelin/Blue Oyster Cult, the titles echoes of the peace generation. They even played Doors and New Faces over the PA between bands. But this is a new sort of love and peace, thrashing along to reverberating guitar, pierced by tribal rhythms. And out on the floor almost the whole area seethed with flailing people. The bare chested heavies were 'chicken dancing' almost before the group came on, but this wasn't about a small crowd at the front, this was total audience reaction. This sort of gig is a physical endurance test, I was surprised no-one got hurt -most of all me. With gigs like this at the Palais one wonders why the Hammersmith Odeon bothers to stay in business.

Table Tennis

The table tennis club is still looking for high standard League players for its first and second teams. Anyone interested please contact Andy Lenny on internal 5957 or come up to the table tennis room which is on the top floor of Beit building east. The club meets every Wednesday afternoon and Tuesday and Thursday lunchtimes. We are now well into the season with relatively infrequent victories being scored but alas, these have been overshadowed by more frequent losses.

A board of inquiry was set up to investigate last week's horrific incident in the JCR. A masked man, thought to be the Phantom Soaker, carrying a bucket was pursued into the JCR by a patrol of QT vigilantes. In the confusion one ever so slightly over zealous QT Chairman thought the Phantom was escaping justice, and promptly blew him away.

According to fellow patrol members the chairman followed correct procedures before firing by shouting 'Halt! Drop that bucket and raise your hands, or I shall be forced to shoot'. However a number of witnesses have

QT

claimed that he actually said 'Eat lead Soaker—make my day!'

The body was dragged from its pool of blood by the patrol over to the Union building, where it was unfortunately mislaid. Therefore the identity of the suspect remains unknown: Was it the Soaker or was it the College window cleaner?

The Board retired to consider their verdict after being advised by the Chairman of their future prospects for advancement within the QT. Their verdict: the Chairman had been slightly naughty and shouldn't do it again—too often

RCS

Many thanks to all those who supported RCSU events during Rag Week, especially those who spent last weekend playing '1 million and 1—down' darts. Looking forward to this weekend, and on Sunday RCSU is having its Freshers' (!) Barnight in the Union Bar, starting 7pm. Better late than never, this is the one that was

postponed, from the first week of term, by the bars' boycott. There will be free barrels on for boat racing and for freshers to try a yard or half yard. We'll also be christening the new 'Song Sheet'.

Finally a reminder to all RCSU officers and reps that Gen Comm is on Monday 6pm in the Lounge, Union Building.

Tennis

The Tennis club will be holding its Annual Dinner on Friday 6 December at Lubas Restaurant in Knightsbridge. We will begin warming up in the Bunch of Grapes pub (near Harrods) from 8pm. Expected cost per head should be about £6. If you would like to attend please see any of the following committee members with a £1 returnable on the night deposit: Steve Cain Chem Eng 3, A Power Bio Chem 2, M Morcos Aero 1, B Hunt Civ Eng 1.

Captain's log. Stardate 31.41.6. We are approaching the planet Video at Wars factor 6. By 6.30 this evening we will be in geostationary orbit above the Bot-Zoo common room.

Showing on the main screen is 'The Right Stuff', 'The Blues Brothers' and more. 'Spock, what is it?' 'I don't know, captain. It appears to be some sort of incredibly complex space freighter' 'Not an ICSF' 'Run away Warp factor 8.' The intercom beeped. 'Yes, Scotty' 'She will not hold together,

Model Aircraft

Pack—ICMAC) will never buy that' 'Now that is where you are wrong, Terence—you're getting as bad as 'er indoors. No, as long as Mr Chisholm keeps his nose out, we're well in. I might go and see ICMAC above Southside bar on Thursday'.

Arthur Daley toyed with the controls and the plane looped and rolled in the sky. The 'plane climbed and plunged in a series of uncontrolled stall turns. Arthur smiled. 'I think I'm onto a nice little turner' he said.

Appropriate Technology

Careers—what useful work can we do when we leave College?

Appropriate Technology Society is attempting to offer some answers to this problems. Please see our noticeboard along the walkway, and look out for information on careers department noticeboards. Mr N P W Moore (Mech Eng) and Ms A M Martin (Careers Dept) are very helpful you can also join the network for Alternative Technology and Technology Assessment. (Open University), details on our notice board. There will also be an opportunity to talk to members of staff at our winter solstice/Xmas lunch—12.40pm Thursday 5th December in the Lounge (Union). This wholesome and tasty meal will be free to members. (£1 to join).

SF

Sir. At this speed we'll break up' 'She didn't survive 76 episodes and 3 films for nothing. Now divert power from the deflectors'. 'Aye, aye Cap'n. But Captain, aren't you going to mention that ICSF Soc are showing Star Trek 2—the Wrath of Kahn'. 'I was just getting round to that Scotty' 'Yes sir'. 'Next Thursday at 7 o'clock. Just after I'm finished on TV, I will be in ME 220. Be there or have your armpits infested with tribbles (What?). 'And the same to you, Lieutenant'

Football

New College 1st 2 IC 1st 1
IC lost their 100% League record in the ULU Premier Division to a side who had obviously thought hard before the game on how best to play against IC, their tactics eventually paying off.

It all started so well with IC going one up after 10 minutes when Dave Lynne met Martin Bradley's curling free kick with a header which went in off the post. Despite several more goalscoring opportunities which IC were later to rue, the score remained 1-0 until half-time.

The second half was finely poised when New College equalised with a hotly disputed goal with the referee 'I laugh when I'm joking' judging 3 New College players all offside but not interfering with play (one of them scored the goal).

With Nick Tarn performing acrobatics in goal, the game appeared to be heading for a draw when IC, obviously dreaming of the high standard of football that the ref had been in control of, allowed New to take both points from the game from a corner followed by a goal mouth scramble.

RSM 1sts 4 IC 2nds 1

In a thrilling display of wildly dazzling stunningly brilliant one touch football, RSM 1st's, a team surely unparalleled in the brilliance and verve of their attacking play since the Brazilians of 1970, swept aside the miserable mumbling wretches of IC 2nds with an overwhelming tide of four goals marvellously created and clinically finished by a group of players whose skill on the football field is surely only matched by their humility and generosity off it. After battering IC's goal the deadlock was broken after 20 minutes by Pete 'Bullet' Sedders, who added another ten minutes later past the cowering imbecile who now guarded the visitors goal. Second half goals came from 'Curly' Woodward and 'Chopper' Wardle as the annihilation was completed. IC actually managed to score near the end with their only shot on goal.

SPORTS

Hockey

Wednesday

UAU

IC 1sts 1

(after extra time)

IC won 4-1 on flicks

ULU League

Royal Holloway 1

Saturday

Middlesex League

Mens

IC 1sts 1

ULU League

Ladies

IC 1sts 6

Sunday

Mixed

St Georges 1

IC 3

Wednesday

ULU League

New College 1sts 2

RSM 1sts 4

KQC 6ths 4

Saturday

ULU League

IC 1sts 3

IC 3rds 0

RSM 1sts 4

Friendly

India Soc 3

City 1sts 1

RCS 1sts 0

Harrow 1sts 2

QMC 2nds 0

IC 3

IC 1sts 1

IC 2nds 1

IC 5ths 6

Goldsmiths 1sts 2

IC 2nds 8

UJH 2

Sri Lanka 1

The results table this week is a little sparse. This is because nobody bothered to come in and tell me how they did apart from the teams above. The deadline for results and articles is Monday 1.30pm. If you want your Wednesday results printed then see me in the Union Bar on Wednesday nights, drop in to FELIX or, if you are

playing away phone up the FELIX Office (01 589 5111 ext 3515).

Some of the articles have been severely edited this week. If you do fill your articles with 'in jokes', names without surnames etc, then they are of no use to anyone but the 11 or 15 people who played. The small ads is the place for 'in-jokes'.

Richard Ellis
Sports Editor.

Hockey

IC 1 City 1 (4-1 on flicks)

IC 1st XI hockey team, having gained maximum points in their UAU group, played the Southeast finals against City University on Wednesday.

A scrappy but hard-fought first half saw Imperial with a 1-0 lead at the break. Nick Hope slotted home a right wing cross before impaling himself on the goal post. In the second half City piled on the pressure but the home defence held out desperately and the opposition forwards found it difficult to get into the 'D'. Special mention must go to Jim Garside's defenders for their excellent 'do or die' tactics. Eventually the City centre-forward scored a brilliant individual goal so ensuring extra time. This too was goalless, meaning the match was to be settled on penalty flicks.

Ian Parker, Paul Colman, Justin Brooking slotted their flicks to make it 3-1 leaving Nick Collie to seal the match with his highly deceptive, 'snail like' daisy cutting flick.

IC moved into the last 16 to play Leeds University on Wed 4 December.

IC 1sts 1 Harrow 2

Imperial started the match intelligently, moving the ball around and marking the opposition tightly, this led to a well taken goal by Ian Parker, now the team's highest scorer. In the second half the opposition ran the ball around and with a little help from the umpires scored two quick goals from short corners. Ian's Parker's polite comments to the umpire about going to the opticians meant Imperial were down to ten men, but the opposition failed to capitalize on it. The final score was probably a fair result. Moral of the game: All old people go blind!

St Georges 1 IC Mixed 3

This was another epic day for IC Hockey, with the first mixed victory in quite a while.

Perhaps the most remarkable achievement on Sunday was getting all the team members to turn up, more or less bright-eyed and bushy-tailed after a late night in that hot bed of sin more commonly known as Ms Rofé's flat. Then come our first major setback as we narrowly missed the train at Waterloo (by fifteen minutes), and had to wait 45 minutes for another one. The game eventually started a mere one and quarter hours late but we got off to a very good start as Ann lost her skirt warming up.

Penny Ottway, still in a hypnotised state after Thursday night, was our star player managing to score twice—sorry we didn't have any Moet et Chandon. Umpire Jon Stonham then took pity on St Georges and awarded them a very controversial penalty flick which St Georges greedily snapped up.

With the light fading in the second half IC took a stranglehold grip on the match with plenty of penetrating attacks. However the game had to be stopped to deal with a streaker on the pitch as Jill Thurlbeck's skirt fell off during a short corner. (It should be noted that the male half of the team does not necessarily approve of the ladies new designer skirts.)

In the throws of the game new recruit Pete Drummond Smith scored his virgin goal for an IC team. (Its not all its cracked up to be Pete), to take the final score to 3—1.

All in all a good day rounded off nicely with a quick game of hockey on the station platform at Cobham against Guy's Hospital—score nil all.

Tennis

Totteridge 8 IC Mixed 1

It was cold. It was early in the morning and IC didn't have a full team as J Macmanus (Met and Mat 2) didn't get out of bed in time. Otherwise IC had no excuses for losing the first match of the season to a team who were much better than us on the day. The team was M Morcos (Aero 1), B Hunt (Civ Eng 1), S Cosulich (Biochem 1), and A Hill (Mech Eng 1).

Rugby

IC 1st XV 0 UCL 1st XV 8
IC slumped to a shock defeat in this vital UAU qualifier at Harlington last Wednesday.

Weakened yet again by the uncompromising requisition orders of ULU and seeming never quite to warm up in the arctic conditions, the IC pack lost too much set-piece possession to the more urgent UCL eight.

Starved of any decent ball, the IC backline found itself having to defend more often than not and was pressurised into squandering much of the possession that was gained.

So came to an end the glowing start to the season which saw eight wins in nine outings— however, an encouraging game against a strong Saracens team on Saturday suggested that IC will be difficult to beat in the Gutteridge Cup.

Ladies Rugby

The IC Virgins played a brilliant match on Sunday, November 17 against Charing Cross at Harlington. IC drew against them, although IC should have won. IC kept the ball down their end of the field in both the first and second halves. Vicki Williams was within about 2 feet of a try when sadly, she was tackled. And Captain Anne scored a try which everyone saw, except the referee who did not count as he wasn't wearing his glasses. But being fair—the Ref was a good lad and showed no bias.

There were only a few near fatalities. These included poor Nathalie Laidler getting booted in the ribs (which resulted in her being made to sit on the sidelines for a few minutes).

Anne Parsons got bitten in the ruck (painful!-Ed). Afterwards the Charing Cross girls said they had never played so violent a game before.

Water Polo

On Friday IC recorded its third win of the season by beating an impressive Royal Navy side 15-11

This win was obtained by an understrength team missing two of its strongest players, Andy Longman and Steve Davis. Many of IC's substitute players,

Rugby			
Wednesday			
UAU Play-off			
IC	1sts	0	
Friendly			
IC	2nds	3	
Saturday			
Mens			
IC	A	9	
Ladies			
Surrey		20	
Badminton			
Wednesday			
UAU			
Mens			
IC	1sts	8	
Ladies			
IC	1sts	6	
Tennis			
Totteridge		8	

though, put up spirited performances against 'experienced' opposition.

Although IC expected this to be a physical contest, the only serious sufferer was Paul Richardson who, despite some heavy tackling, managed to score a beautiful goal from his own half early in the third quarter to turn the tide against the Navy team. Other scorers were Nigel Williams, Rob Easterman, the highest scorer so far, and Nick Ireland, who scored with a spectacular shot from the opposition's half in the final quarter of the game.

Boat

At the Allam Cup, an event for University of London crews, Imperial led the way and swept aside the opposition.

In the Allam Cup event itself which is for men's Open VIII's IC beat crews from QMC and London Hospital. This was the first time the new eight Eric Ash was raced.

In the men's open coxed fours and open coxless

UCL	1sts	8	
Hendon Police		13	
Saracens		22	
IC		4	
Essex	1sts	1	
Brunel	1sts	3	
IC		1	

pairs IC again won, this time beating crews from QMC, Royal Free, Charing Cross, London Hospital, UCH, St Mary's and Kings. The men's scullers competed in all three events namely Open, Senior C and Novice Sculls and won all three, the latter of these nearly catching the race ahead. The IC Senior C men's coxed four beat UCH and London Hospital in their semi-final before annihilating St Georges in the final. This left the Novice men's VIII to see how they would fare in their first race ever. In the quarter-final round they rowed through Kings and St Thomas' to win by two lengths. In the semi-finals they lost by a length in a spirited performance but were disadvantaged rowing in a much older boat than their opposition.

The women entered three events, Womens Open VIII's Open IV's and Novice IV's. They saw off oppositions from Barts, UCH, Guys, St Mary and Kings in the Open VIII's. They also beat Royal Free in a hard race in the Open IV's final. The women's squad completed their hat-trick of wins by winning the womens Novice IV's.

Wednesday's Results

*Hockey				
Guilds	4	London Hosp.	1	
Rugby				
RCS	1sts	17	Met Pol Cadets 1sts	4

As nobody has bothered to submit results, here's a message from Karate Club....Please could anyone wishing to go the Grading dinner on Wed 11 December please make sure they give their names to me (Jeremy Hague) by Mon 2nd December and pay me in full (£8 for members; £11.75 for non-members ie guests) by the Wednesday lesson at the latest. The dinner is at the Strand Palace Hotel in the carvery (vegetarian meals catered for). I'm in Linstead Hall if you need to get in touch. I need the numbers by Monday, please.

Jeremy Hague
(Treasurer)

Badminton

UAU Individual Championships

In the mens singles, Andy McAleer was unlucky to have a hard draw, and was knocked out rapidly. Gary Chapman fared better, beating his first-round opponent 15-4, 15-4, but he encountered difficulties in the second round, losing 15-7, 15-4. SL Tan put up a fantastic performance against the no.4 seed and was unlucky to lose in a very close match.

Sarah Threadgold had an unlucky draw against the no.4 seed in the ladies singles and lost in the first round. Susan Yates did better winning her first round match 11-4, 11-7. However she was then beaten by the no.3 seed.

In the mixed doubles, the newly formed partnership of Dave Heaps and Julie Goodeve were unlucky to lose a close match, as were Bharat Popat and Sarah Threadgold. The best performance came from Sean Mulshaw and Susan Yates, who beat pairs from Southampton and Hull, before losing 15-10, 15-11 to the no.4 seeds from Loughborough.

Bharat Popat and SL Tan produced IC's best result in the competition. In the first round they beat a pair from Swansea, in the second they beat a Kent pair (one of whom won the mens singles), in the third round they beat Exeter, in the fourth round they beat Bristol but they lost to Loughborough in the quarter-finals. Andy McAleer and Gary Chapman lost in the first round as did Sean Mulshaw and Dave Heaps.

Ski

Unprecedented in IC Ski history, the dry-slope Ski team consisting of Katherine Milrow, Martin Steber, Mark Schmidt, Matthew Norris and Mike Johnston surged to a fabulous victory in Saturday's ski competition. This impressive performance at Welwyn Garden City puts IC in 2nd place in a league of 14 University of London Teams.

Skiing is taking on so fast at Imperial that we were even able to send a 2nd team (coming 9th) to the event.

What's On



Today

1230h

Union Upper Lounge
Orienteering Club. Meeting to organize social events for the weekend.

1245h

Volleyball Court
Basketball shooting practice. For all players; to teach beginners how to shoot, and help more experienced players improve their shooting.

1300h

JCR
ICCND Bookshop Buy your posters badges and cards. 10% discount to members.

Union Building
Islamic Society congregational prayer.

Beit Gym
Keep Fit Please bring suitable clothing and jogging shoes.

1830h

Bot Zoo Common Room
SFSoc Video Night. Lots of videos. Admission £1. Membership available.

Volleyball Court
Badminton Club. Everyone welcome.

2000h

The Lounge
IC Ents present the Blow Monkeys and Kiss Tomorrow Goodbye. Disco as well. Admission £1.50 (with Ents card £1)

International Students House
Aid For Africa. Weekend of concerts, films, videos etc. All proceeds go to Oxfam.

2030h

Southside Bar
Southside Bar Disco

Saturday

1030h

JCR
Course in Welsh folk dance organised by the London Welsh Folk Dance Group. Contact Mike Morgan (int 7485) for details.

1300h

9 Princes Gardens
Islamic Society prayers.

1430h

Selfridges
Visit Father Xmas. Come along to take handicapped children from Acton Playgroup to see Father Xmas. Contact Paul Kapusta Physics 2 for details.

1930h

JCR
Twmpath Ddawns (Barndance) with the London Welsh Folk Dance Group.

Sunday

1000h

Sherfield Consort Gallery
Chaplaincy communion service

1130h

More House, 53 Cromwell Road
Catholic Soc Mass — All welcome for reflection and worship.

1300h

Senior Common Room
Wargames Meeting. 10-15% discount available on games. Membership £1.50.

9 Princes Gardens
Islamic Society prayers

1630h

Union Gym
Wu Shu Kwan Kick the boring Sunday habit, literally! Learn to look after yourself and enjoy fitness with IC Kung Fu Club

1800h

More House, 53 Cromwell Rd
Mass followed by debate: 'This house believes that education can not be measured in terms of economics'

1900h

Union Bar
RCSU Freshers Barnight

Monday

1230h

ICCAG Office
ICCAG Meeting to arrange a collection for 'Crisis At Christmas'. Anyone willing to collect on Thursday come along.

Southside Upper Lounge
Hang-gliding meeting

Southside Upper Lounge
Waterski Club. Come along and sign up for Wednesday and Saturday trips.

1300h

9 Princes Gardens
Islamic Society prayers

Beit Gym
Keep Fit Please bring suitable clothing and jogging shoes.

1730h

Volleyball Court
Basketball training for first and second team members.

1745h

Great Hall
Wind Band rehearsal

1800h

The Lounge
RCSU Gen Comm. All Officers and reps please attend.

Southside Gym
Keep Fit Please bring suitable clothing and jogging shoes.

1930h

Physics LT1
The Humour Of Politics. A Wellsoc talk. Everything you ever wanted to know about the lighter side of politics but were afraid to ask.

Great Hall
IC Badminton Night. Everyone welcome.

2000h

301m, 999KHz
IC Radio — The Early Years. John Allen, IC Radio's first Station Manager, takes a look back at the history of IC Radio with some of the best moments from the past.

Junior Common Room
Beginner's Dancing Class

2100h

Southside Bar
IC Radio 7th Birthday. Join in the celebrations. Win fabulous prizes and get a free slice of birthday cake.

Tuesday

1230h

Chem 231
Catholic Society Mass, lunch and people. Quiet after quantum theory, transisters etc. Everyone welcome.

Union Upper Lounge
Audio Society buy your discount records, order today, collect Thursday.

Southside Upper Lounge
Scout and Guide lunchtime butties.

1300h

Huxley 342
Irish Problem Debate Debsoc discussion on the new Anglo-Irish treaty. Free to members.

Pippard Theatre
Balloon Debate Physics vs Chemistry vs Biochemistry. Admission free.

Southside Lounge
Boardsailing Club. Regular meeting to organize Wednesday afternoon trips. Membership £4.

Southside Lounge
QT stunt coordination meeting

9 Princes Gardens
Islamic Society prayers

TV Lounges
STOIC Anything could happen.

1730h

Brown Committee Room
Amnesty International Meeting.

1800h

KCOF
AGM of KCFOS with Sir Harold Smedley speaking on 'The Defence of the South Pacific and South-East Asia'. Please notify KCOF (internal 3919).

TV Lounges
STOIC Anything could happen.

Union SCR
Californian Wine Tasting. Superb quality red and white wines from across the Atlantic. God bless Ronnie Reagan. Admission £2.50 for members.

Southside Gym
Imperial Workout wear something comfortable and any type of training shoe. A towel/exercise mat is also useful.

1830h

Union Gym
Judo Coaching Session. Instruction from BJA resident and guest instructors. All welcome, especially beginners. 60p mat fee.

1900h

JCR
Dancing Club Intermediate

1930h

Music Room, 53 Princes Gate
Opsoc rehearsal

2000h

JCR
Dancing Club Beginners

2100h

301m, 999KHz
60's Pirate Radio. One hour documentary on the 60's pirates like Caroline and leading up to the start of Radio 1. Part of IC Radio's 7th Birthday Celebrations.

Wednesday

1230h

Beit Gym
Keep Fit Circuits. Free to members of IC Keep Fit Club. Membership £1

1300h

Above Southside Shop
Micro Club. All members have all access to our computers and word processing facilities membership £2.

Southside Gym
Keep Fit Please bring suitable clothing and jogging shoes.

SCR
Wargames meeting

9 Princes Gardens
Islamic Society prayers

Lower Union Lounge
Caving Club meeting

1315h

Brown Committee Room
Rubber/Duplicate Bridge

9 Prince's Gardens (basement)
Islamic teachings course series D: Muslim Beliefs.

1400h

Mech Eng Foyer
Make Kids Toys for handicapped children

1900h

Junior Common Room
Advanced Dancing Class

Great Hall
IC Orchestra Rehearsal

2000h

Union Concert Hall
Bedroom Farce. The West End extends to South Ken with Alan Ayckborn's famous comedy. Admission £1.50.

Junior Common Room
Medals Dancing Class

Thursday

1230h

Huxley 413
Methsoc. An informal communion service followed by lunch.

Union Upper Lounge
Audio Society collect today records ordered on Tuesday.

Mines B303
Scout and Guide slideshow.

1240h

The Lounge
Winter Lunch. Celebrate the Winter Solstice/Xmas with a wholesome and tasty meal supplied by IC Appropriate Technology. Admission free.

1245h

JCR Sherfield
North American Stall Information on BUNAC work and play in US this summer.

Southside Lounge
Riding Club meeting

1300h

TV Lounge
STOIC Newsbreak for latest College news, film reviews, interviews.

9 Princes Gardens
Islamic Society prayers

Green Committee Room-Top floor of Union building
SFSoc Library meeting. Access to the SFSoc library of over 1000 titles, plus discussion and organisation of future events.

1330h

9 Prince's Gardens
Quranic Recitation

1730h

Chemistry Theatre A
Flames A pyromaniac demonstration by British Gas

Aero 254
Gliding Club Meeting. Arranging lifts to Lasham, videos & films.

1745h

Mech Eng 342
Imperial College Choir. Rehearsal.

1800h

Southside Gym
Imperial Workout wear something comfortable and any type of training shoe. A towel/exercise mat is also useful.

1830h

Union Gym
Judo training. An informal session

1900h

Mech Eng 220
Star Trek 2 SFSoc show the best Trek movie so far, at a special time so you can see Trek on TV before, trip to Owe Tun after. 50p members, £1.50 others.

1930h

Volleyball Court
Basketball beginners' training.

Room 2E, ULU
ULU Gay and Lesbian meeting

2000h

Union Concert Hall
Bedroom Farce. The West End extends to South Ken with Alan Ayckborn's famous comedy. Admission £1.50.

2115h

Weeks Hall
ICCAG Soup Run. Tea, soup and meeting London's down and outs.

Friday

1400h

Bot Zoo Basement Lecture Theatre
Dr RB Pearce, Department of Forestry, University of Oxford, talks on 'Stopping the rot: antifungal defence in living wood'.

2000h

Holland Club
Wellsoc/Indsoc Xmas Party Lots of alcohol and food; also a disco. Members £2, non-members £3.

Union Concert Hall
Bedroom Farce. The West End extends to South Ken with Alan Ayckborn's famous comedy. Admission £1.50.

Bot-Zoo Common Room
Why Christmas? A Christian Union talk on why we celebrate Christmas and the Christian message. Food provided. Admission free.

Bunch of Grapes
Annual Tennis Club Dinner

2030h

Southside Bar
Southside Bar Disco

Saturday

2000h

Union Concert Hall
Bedroom Farce. The West End extends to South Ken with Alan Ayckborn's famous comedy. Admission £1.50.

Tuesday

1230h

Chem 231
Catholic Society. Mass, lunch and people. Quiet after quantum theory, transisters etc. Everyone welcome.

1300h

Consort Gallery
Christmas Carol Service Drama, singing, music. All welcome. Organized by West London Chaplaincy

1830h

Union Gym
Judo Coaching Session. Instruction from BJA resident and guest instructors. All welcome, especially beginners. 60p mat fee.



INTERNATIONAL BANKING

MIDLAND BANK ARE PLEASED TO INVITE ALL IMPERIAL COLLEGE STUDENTS WHO ARE INTERESTED IN LEARNING MORE ABOUT CAREER OPPORTUNITIES IN INTERNATIONAL BANKING

TO A

PRESENTATION

ON

WEDNESDAY 4TH DECEMBER - 6.00 p.m.

ROOM 327, SHERFIELD BUILDING

Sherfield Shuffle

Plans for the new Sherfield refectory were placed before the Refectory Users' Committee on Thursday. This refectory is to be set up in what is now the JCR, while the present refectory will be converted into a new JCR. One main change shown on the plans is the inclusion of a fast-food counter where the JCR bar is at present. In the main servery, which is where the Buttery is at present, food counters will be arranged around a salad and drinks section, instead of the present layout in which they are placed along one wall. The students' dining area (seating 450 people) will have movable furniture and partitions so that it can be converted for formal dinners.

The plans for the JCR have not yet been revealed. IC Union would like such improvements as a purpose-built bar, lowered ceiling, movable partitions

and a lighting rack, to enable them to arrange live music and small discos. The College Secretary has informed the Union that only the money for basics is available. The work on the changes is expected to go on from Easter to the end of the Summer term.

Union President Carl Burgess does not intend to approve the changeover until he has received and checked the plans of the new JCR. But if approval from the Union is not given before the proposals are taken to the Finance and Executive Committees of the Governing Body in February, work could be delayed for at least a year.

Late News

The plans were greeted with general enthusiasm by the Refectory User's Committee yesterday afternoon. No decisions, though, will be taken until the corresponding plans for the JCR are available.



Sultans Of Swing

Guilts Carnival has made a loss of between £500 and £1000 because of low attendance. The exact deficit is not yet known. Guilts entertainments officer Jill Cottee said that the numbers were low because of poor response from first year students. She described the event as 'a really good evening' and complimented all the performers. She added that the publicity for the event had been generally good, but she was disappointed in the word-of-mouth publicity around the college. People had not gone out and encouraged others to buy tickets, and so not enough interest had been generated.

**BEECHAMS
PHARMACEUTICALS**
will be giving an evening
presentation in the Ante-
Room, Sherfield Building at
6pm on Tuesday 3rd
December.

Representatives from our
research sites will talk
about opportunities in
research and development
for Chemists, Biochemists,
Biologists, Pharmacists and
Pharmacologists.

Refreshments will be
available.

Brothers In Arms

College lecturers are to be asked to strike next term by the Association of University Teachers. The Imperial branch will ballot its members between December 6 and 18. The AUT has recommended its members to vote for up to two one-day strikes which must take place within 28 days of the ballot result. IC AUT officials though have yet to make a recommendation. January 15 has been earmarked as a probable date for the first strike.

It will be left to individual lecturers whether the lost lectures are rescheduled. The action is both a protest at the current 4% pay offer and a stand against the continuing erosion of university education.

Pizza Hotline

Roger Pownall, Manager of Southside bar is 'very pleased' with the response to the new food and wine bar. The bar provides freshly baked pizzas, ploughman's lunches, salads and coffee at lunchtime and in the evenings. A consumer told FELIX that the pizzas are 'not as good as Pizza Express, but are significantly cheaper'. Some concern was expressed over the time delay between ordering and receiving the food. However, Mr Pownall has assured FELIX that this is only a teething problem, and he is encouraging people to order their pizzas in advance on the pizza hotline 3286.

Union General Meeting
Tuesday, 1pm
Great Hall, Sherfield