



# Felix



## NEWSPAPER OF IMPERIAL COLLEGE UNION

### COUNCIL SLAMS UNION EXEC

The Union Executive was censured by IC Union Council on Monday for refusing to allow the award of a pot for the Alternative Prospectus Editor. A motion proposed by Internal Services Chairman Hugh Southey questioned the right of the Exec to make such a decision and called for a review of the role of the Exec.

The motion also authorised the allocation of a pot for the AP Editor from the Union stock. The pot will now be placed in the bar as soon as it has been engraved.

A new constitution is to be drawn up to more clearly define the Exec's decision making powers in matters other than those needing urgent action.

Whilst the matter over the Exec were censured is seen as a relatively minor one, though nonetheless important, the constitutional issues raised by it

may be more far reaching. Opinion is growing among many Union officers that a change in the Exec's structure is needed so that decision making in the Union becomes more broadly based.

Proposals for the radical reform of the Union constitution were included in the order papers for the Council meeting by External Affairs Officer Peter Burt. His proposals are for an expanded Exec of eleven

*Continued on page 3*

### Who's had enough?



Having been ritually coated in a mixture of rotting fruit, fish, milk and other nasties at their AGM on Wednesday, the new RCSU exec lead a Kangelra from the Round Pond—Pictured above are (left to right) Paul Bloomfield (Hon Sec), Sean Davis (DP) and Ann Collins (President).



Jubilant AP editors, past and present—Diane Love, David Rowe and Hugh Southey

### SOAP ON TV

The new launderette in Southside is now complete. However, the new facility will not be open for another two weeks whilst a TV security system is installed.

College Chief Security Officer Geoffrey Reeves told FELIX he had asked for the system to be installed because the launderette will contain coin boxes. Much damage could be caused to the machines by anyone breaking into these. Also, he pointed out that the room was quite isolated in the basement and that a TV system would make it safer late at night, particularly for women.

It seems that these security matters have only just been realised, otherwise the system could have been installed before the launderette was completed. The delay caused by this will hopefully be the last in a series

which have resulted in the original opening date of 5 March being put back by nearly three months.

The TV monitor will be installed in the Sherfield security office where it can be watched 24 hours. It will join the other monitor which watches the Exhibition Road vehicular entrance. The Security Office is considering extending the TV surveillance system over the next few years to cover other parts of the College. To this end the entrance lobbies to Falmouth and Tizard Halls is to be wired for TV camera installation whilst a second set of doors is being installed. The camera will not be installed at present but will be in the future if College find TV surveillance a successful way of providing security cover.

## Consoc Smear Campaign

Dear Pallab

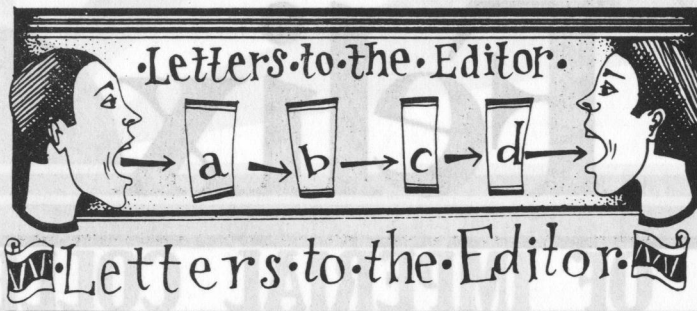
May I say how sorry I was to see that members of the Federation of Conservative Students at Imperial College have apparently decided to launch a smear campaign directed against the National Union of Students.

In his letter to FELIX last week, Graham Brown alleges that the report of the two Imperial College Union visitors to the NUS Easter Conference is, in effect, untrue. These allegations are not only an insult to the integrity of those who attended the Conference on behalf of ICU, but are apparently based on no more than hearsay. To the best of my knowledge Graham himself did not attend the conference. It is therefore hard to see how he can claim to have firsthand knowledge of events occurring at the conference unless he possesses remarkable powers of extra-sensory perception.

The whole point of sending IC Union visitors to the conference was to establish for ourselves whether harassment and intimidation is rife at NUS Conferences as has been claimed in the past. I would far rather place my trust in the accounts of independent and trustworthy Union officers who were actually present at the event than in the rantings of an individual who shows clear political motivation in attempting to undermine the credibility of the NUS.

The last thing I would wish to do is accuse Graham of fabricating these stories in a deliberate attempt to mislead Imperial College students. However, I would be most interested to see Graham produce hard evidence to substantiate his allegations. Since libel is a criminal offence in civil law, I have no doubt that he will be writing again to FELIX so as to make his position crystal clear on this matter.

I am happy to be able to reassure your readers that, far from helping other colleges in London to disaffiliate from the NUS as Graham suggests, I will continue to point out to them from an impartial position both



the dangers and benefits of pursuing such a course of action.

*Yours more sincerely than Mr  
Brown  
Peter Burt*

## Democracy?

Dear Pallab

Ever since entering this university I have been bitterly disappointed with the Union. I knew it was 'right wing', I knew it was run by 'unfeeling bastards'. What I didn't know was that it was undemocratic, that the majority of IC students had no say in its affairs, and that it metes out justice according to personal prejudice.

Instead of calling quorum herself, as any union leader conscious of her responsibility to uphold democracy in this College, Gaynor just sits and frowns when quorum is called. Instead of abandoning the UGM, because it is not large enough to be representative, and organising another next week and publicising it properly so that all students will know about it, the Union hacks just continue with their reports, knowing their decisions cannot be overturned by the students, and they hold all power.

Take, for example, their decision to ban a Union member from a UGM. Of course the Exec should take disciplinary action against students who break Union rules, but no Union member should be prevented from attending a UGM. This amounts to expulsion from the Union, and if Gaynor wants to expel that member, then let her say so now. It is a grave state of affairs when the Exec can meet in private and secretly ban a Union member from attending a UGM without having any appeal or even consulting that UGM.

So let's have an end to ad hoc expulsions from the Union, and an end to iniquate UGMs and

let's see if the Exec during their last term of office will pay as much attention to democracy as they do to alcohol.

One final note: 6 hours a year is not much time. If every Union member gave this up to attend UGMs then we would see democracy done, and there would be no need to call quorum. I say this, because the Exec should be saying it, only they're probably in some committee meeting talking to the College administration.

*Please Gaynor talk to the students as well.*

*Yours angrily  
John Martins*

PS: It was me who called quorum, and if anybody tries to intimidate me or attack me again I will inform the police and consult legal advisers on the possibility of action against ICU members or ICU itself.

## Destroyed Credibility

Dear Pallab

Pallab Ghosh in last week's FELIX has probably destroyed any remaining credibility I might have had. It appears all he can do to oppose my views is a vicious character assassination.

In The Phoenix I wrote a serious short story about a man in prison for rape, who believes in fascism and is slowly being destroyed. I fail to see how this could be described as 'pornographic', a 'little jerk off' or 'degrading to women'.

There are attitudes in this world that we should all seek to understand; our attitudes towards each other that result in torture, physically and mentally.

We degrade those we disagree with or seek to use, we attack their mental abilities, we call them names, we laugh at them and mock them. The Jews were laughed and jeered at in

Nazi Germany, Negro slaves were a centre of amusement in the 19th century, it seems this College supports a similar entertaining degradation of women. Women fuck pigs and dogs in front of cameras so we can laugh. It's individual freedom they will shout! Michael Newman's a twat anyway! It's all a good laugh!

When will we realise that even when those who torture or degrade are enjoying themselves it does not become a mere laugh? When will we realise that to assist them is to support them?

I have called all IC students pimps, I think we are far worse, I think we support the degradation of women and consequently their oppression, torture and rape.

*Yours sincerely  
Michael P Newman  
Life Sci 2*

## Poison Tipped Pen

Dear Sir

The impressive rhetoric delivered by Steve Marshall drew my attention to your letter column two weeks ago. I am whole-heartedly in favour of such provocative language and have long since rejected the 'be nice' attitude of the 'middle of the road'.

I hope, therefore, that Steve Marshall will proceed to use his undoubted talent to provoke discussion on more important, relevant and demanding issues.

May I influence his eagerly awaited subsequent publications by citing the fact that approximately 4,000 students at this College couldn't give a toss about the social impact of their selfish pursuit of academic or financial success. Science and engineering are meaningless and dangerous disciplines if they are not treated foremost as a service to humanity.

Therefore I suggest he uses his poison tipped pen in a more constructive manner to stir these murky waters of Imperial College.

*A Causebrook  
EE1*

*(Steve Marshall graduated from Imperial College in 1980, was FELIX Editor for the 1980-1 session and has been leaving College ever since—Ed.)*

Continued from front page

members, to include three more officers and two ordinary members in addition to the three sabbatical officers and three CCU Presidents who now constitute the Exec. Whilst a number of Council members do not support the proposals as they stand at present it is likely that they will open the issue for wider debate.

## Hair today.....

Guilds President Mike Stuart is to have his head shaved at the Rag Fete on Saturday if £300 is raised for Rag funds. The shaving will be carried out by Maribel Anderson, Guilds President-elect. Maribel has also promised to have her head shaved at next year's Rag Fete for a similar amount, this to be carried out by Mike Stuart.

The Rag Fete will be held on the Queen's Lawn starting at 2pm. There will be a 6 foot TV screen since the FA Cup Final is on the same afternoon. The Queen's Tower will be open for climbing and there will be numerous stalls and games.

Those hoping to see Mr Stuart's head being shaved are advised to be prompt as it is not expected to take long.

## Banging on the Queens Lawn



*The Windband giving their annual performance of the 1812 Overture next to the Queen's Lawn on Tuesday. The performance was accompanied by the peal of the Tower's bells and the blast of cannon.*

## Pete pulls it off!

Eight members of IC Union attended the lobby of Parliament on Wednesday afternoon, led by External Affairs Officer Peter Burt. The IC contingent spoke to Peter Brooke, local MP and Undersecretary at the Department of Education, about the problems caused by the Government's recent decision on student travelling expenses

(reported in FELIX last week). They also met a number of other MPs, most of whom were sympathetic to their arguments.

Hugh Southey, a member of the FELIX staff who was at the lobby, met Mick McGahey, Vice-President of the National Union of Mineworkers. The ensuing interview will appear in Felix next week.

## NUS sex scandal

Playboy FELIX Editor-elect Dave Rowe enjoyed "eating, drinking, 'smoking' and screwing" at the Union's expense he reported to Council on Monday.

Dave the Rave, as he is known to his friends admitted to the outrageous behaviour at the NUS conference in Hull. He was there on an all-expenses paid trip as IC's observer, *but it wasn't the conference he was observing!*

Sex crazed Dave has yet to file his expenses claim, but FELIX has learnt that it will easily top the generous advance he was given before the trip. As yet he hasn't produced his receipts, but they should make interesting reading for no-nonsense Christine Teller.

And cheeky Dave ends the report on his hotel high-jinks with the plea "Can I go again next year please?"

IC's other observer Hugh Stiles was more cagey about the trip. When asked about 'smoking' and screwing he refused to comment saying "Give me a good pork pie anyway".

## Boring but true!

**Women students are coming to Imperial in increasing numbers and now form over 16% of all students at the College. However, there are still wide differences in their numbers across the departments. This is one of the many interesting statistics in the 1982/3 Imperial College Annual Report which was published at the end of last year.**

Particular concern was expressed that the College had been unable to find money for general maintenance of building, other than repairs necessary for health and safety reasons (as reported in FELIX 662).

The report states that the College has so far managed to cope with spending cuts, although with 'no little inconvenience to staff and students', and finished the year 'still on course', being able to make small advances in 'selected areas of development'.

### IC and the Cuts

In the present situation with continued education cuts the state of the College finances is of particular interest. The report notes that the main factor affecting finance was the loss of income caused by the drop in the

numbers of overseas students. Since 1979/80, the year before 'full cost' fees were introduced, the number of overseas students has dropped by a third. The College received about £30m from the UGC in its block grant and other earmarked grants. Fee income was £5.4m, with a further £13.5m in grants and contracts to support research projects of which 45% came from non-governmental sources.

### The College and Industry

The College founded a new company, Imperial Software Technology Limited, in association with industry. The company will enable the College to capitalise on its expertise in a commercial environment, as with the college's other companies Imperial Biotechnology and Imperial Polymer Technology.

To further investigate the possibilities of the commercialisation of research the College has carried out a study which will be published shortly.

The College is also appointing a second Pro-Rector for External Development to improve the College's liaison with industry.

### Student Statistics

A large part of the report is devoted to tables of statistics and some of the more interesting points are listed here. The number of full time students increased by 4.2% from 1981/2, an increase of nearly 200 to 4767. Of these 3250 were UGs and 1517 were PGs, of whom 894 were research students and 623 advanced course (MSc) students. Women students increased by 8.8% to 776 and formed 16.3% of the total number of students. Overseas students formed 14.4% of the total, 686 in number, of whom 446 were PGs. This shows an increase of 2.8% over 1981/2. UG admissions were up by 4.3% to 1160, although applications were down by 1.5%. The number of students will have to be reduced to conform to UGC targets for 1984/5 and the Pro-

Rector is to investigate how this should be achieved. Since the 1983 intake, was up again on 1982 it seems the College will find it hard to meet these targets.

In addition the College had 114 part time PGs and an additional 1216 people took part in post-experience or other short courses. These are primarily designed so that companies can send staff to college in order to benefit from the latest developments in their field.

### New Courses

A new four year course in Software Engineering leading to the BEng degree is to be introduced from this October. The first two years will be common with the present computing course, but the last two will concentrate on software design and will include a large practical content with at least one term in industry.

The College Engineering Board is undertaking a review of four year courses now that they are becoming well established. A number of the courses have come in for some criticism.

*to be continued.....*

# A Computer Called

ALICE stands for Applicative Language Idealised Computer Engine. Although it sounds difficult, what is on the way is a completely new type of computer which combines revolutionary design with amazing simplicity. The Japanese have nicknamed the technology 'fifth generation' but ALICE is all British.

The ALICE team are based in the Department of Computing and are led by Dr John Darlington.

In order to understand how ALICE works, it is necessary to have a quick look at the computers we are more familiar with.

From the first computer made from valves, from the smallest ZX80, to the ultra-fast Cray, almost all computers have a 'serial' architecture. This means that the computer, no matter how fast, does only one thing at a time. This is reflected in the structure of the languages used—machine code, Basic, Fortran, Pascal and Algol 68 all do just one thing at a time (with varying degrees of efficiency).

Fundamental physics governs how fast computers can operate, and although commercial computers have not yet reached those limits, it is becoming ever more difficult and expensive to gain increases in speed. While it may seem to many that computers work fast enough as it is, there are many problems which actually take computers many hours to solve.

Some such problems have a very regular structure that can be exploited, for instance modelling the behaviour of all the molecules in a crystal, or predicting air pressure and temperature at points on a grid map. For these purposes the Distributed Array Processor or DAP was born. This consists of any array of many (usually 4096) small computers, which are serial, but work simultaneously, like an army. To fully exploit these, DAP variants of familiar languages such as Fortran and Pascal were developed allowing single commands to work on arrays. DAP programming has become highly fashionable in some fields, but not all problems can be conveniently fitted to the DAP. What is really required is a computer which can divide any task into a lot of simple steps and perform each of these steps simultaneously.

# ALICE



*The ALICE team: Victor Wu, Sandra Evans, Ian Moor, John Darlington, Tony Field, Mike Reeve, Martin Cripps and Roger Bailey.*

**Imperial College is a centre of excellence for scientific research, yet not many people hear about the pioneering work being carried out here. This article will be the first in a series of articles on interesting scientific work being carried out at Imperial. This week we kick off with the work being carried out in the Department of Computing on fifth generation computers.**

To achieve this goal, both a new architecture and a new type of language were necessary. Research on the so-called Declarative Languages has been going on for about ten years, and has now split into two fields—the logic languages and the functional or Applicative languages. Basically, the difference is that rather than tell the computer exactly what to do at each stage, these languages provide either a set of logical conditions (Prolog) or functions (Hope) and some initial conditions and then the computer works out how to slot them together to give the required result. Prolog, Hope and similar languages work about ten times slower than conventional languages on conventional machines.

ALICE will use the functional language Hope, and this should work ten times faster than a high-level language on an equivalent serial computer. Any other language will be able to be implemented on ALICE, but the advantages will be lost.

In functional languages, a data structure called a 'packet' is used. The packet has three parts: the first is a reference which tells the computer where to put the result once it is calculated, the second is a function like 'square' or 'add two numbers' and the third is an argument, which is of the right type (one number or two in this example) and may be a reference to another packet. Packets can only be processed when their

arguments have been reduced to the appropriate form.

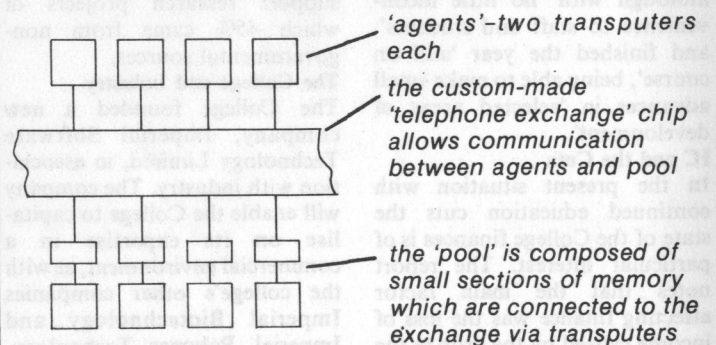
The hardware consists of three sections: the 'pool' where all the packets are stored, the 'agents' which delve into the pool, fish out packets, process and return them, and the 'telephone exchange' which allows the agents to communicate with the pool.

The telephone exchange chip has been custom-designed and built to allow the fastest possible switching speeds (tens of nanoseconds). The agents have been designed to use the transputer chip, a British invention which seems to fit the bill exactly. However, it is eventually hoped to have a VLSI design (ie everything on a very few large chips). At present, ALICE has not yet been built, but its operation has been successfully modeled on a conventional computer.

The design allows any number of agents to be used, however, as they work in parallel, the more agents, the faster ALICE will work. A computer with two agents will work 1.6 times as fast as one agent. As the number of agents becomes larger, the increase in speed from each drops to about 0.3, but adding more agents can never make the machine slower.

The first ALICE will be no bigger than a small fridge. Eventually, ALICE's of all sizes will be available: small enough for the desktop, large enough for the biggest problem. ALICE is a completely general purpose computer which will excel at any task. It is also a very flexible design, as to double the capacity and increase speed you will just need to buy another ALICE and 'bolt it on' to the one you already have.

## ALICE ARCHITECTURE



# U1U Travel

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# INCOST '84

The theme of INCOST 84 was the social effects of Information Technology. Most valuable contributions were made in the discussion groups which were timetabled every day and frequently overrun allocated times. There were also scheduled a number of lectures and visits, which gave a certain amount of background technical information. The lectures and visits were intended to provide an appreciation of the possibilities of the new technologies, the implications of which were discussed afterwards in groups.

The theme itself was subdivided into five different sections: the implications to the household; recreation time, business; education; and the individual. In order for discussion to be more effective the participants were divided into four groups each day.

The fact that the conference was given in English, the second or even third language of most participants, posed fewer problems than expected, although the ability of some lecturers and delegates varied considerably. Some heated

arguments arose because of misinterpretation of a phrase but, in general, effective discussion was hampered by a lack of committee etiquette making ICU Council seem decidedly peaceful and democratic. The Dutch appeared to have the knack of throwing a discussion into total disarray just as it was reaching a logical conclusion. In fact, it became obvious that the group could never come to a unanimous decision. The political stance of the delegates also varied considerably, from the arch-capitalists to the Dutch 'Greens'.

After the Mechanical Engineers' Annual Dinner and Dance, for some reason called the Cuba night, on the first evening, followed by a traditional raw herring breakfast and a champagne tram tour of Helsinki, social events were confined to evening activities. The IC delegation gave the rest of the delegates a lesson in how to get absolutely devastated yet still turn up for each morning's lectures. Memorable highlights (depths!) were Jo's blissful ignorance of the contents of the

free drinks given away after the Chemical Engineers Dinner (and subsequent regrets!), and Jim's breath the morning after a heavily spiced Russian meal amply washed down with vodka. The idea of having an Opsoc chairman helped enormously on the song evening when the delegates, and totally bewildered Finns, were treated to an IC bar nite version of Of Alouette and Sloop John B.

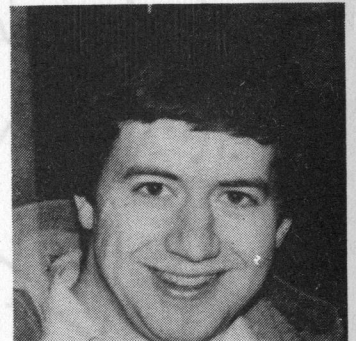
On the organisation side the Finns have an enormous advantage over other student unions in that they have the resources to own and run a very impressive, modern conference centre. The campus is the Olympic village of the 1952 Games and students pay the equivalent of £12pw for single or double rooms, better equipped than any IC block, all of which are run by the Union. Through letting of its facilities the Union can boast a turnover in excess of £4m pa. Particularly impressive was the standard of cleanliness of campus facilities and the respect given them by students. Even after late night parties, comparable to Carnival, there was no evidence the next morning of anything having taken place.

The degree system is totally different with student loans being used for courses lasting up to

seven years part or full time work. Engineering students have to undertake industrial work after basic studies and complete their degree with a Master's thesis. Having said that there is no evidence that the students are any better than IC graduates but they do have very pleasant, spacious departments.

Through informal discussion and formal presentations by each delegation, we learnt a lot about European students' organisations. In general, apart from Finland, other countries unions tend to be much more bureaucratic and inefficient. In spite of our limited resources, we at IC appear to have a more efficient organisation, with better accountability, which is less top heavy than our European counterparts.

Jo Claydon  
Jim Boucher



Jim Boucher—drunk in Finland

## The Shape of Things to Come

In the sabbatical elections David Rowe promised to "Bring FELIX back from the dead". Here he gives some of his plans for next year, and asks for your help.

Next year there are going to be a lot of changes in FELIX. Between now and October I'm going to look carefully at each section in the newspaper to see how it can be extended, compressed or re-designed. But FELIX is meant to be your newspaper and I am particularly anxious to find out what you want it to be.

### Cartoons

Unfortunately IC is losing three very good cartoonists at the end of this year. Are there any budding artists out there who would like to try their hand? If so then please drop in to the FELIX Office some time.

### Advertising

If, on the other hand, you want a career in the advertising industry there is a place for you on FELIX next year. We need someone to co-ordinate ad bookings and to sell FELIX to advertisers.

### Sport

Sport is one of the areas that I promised to change. With the help of club captains, I am going to have a weekly results table to show how IC teams are doing. As for the sports articles themselves, I would like to see them presented in a more professional way. The first thing I'll do will be to get rid



of those horrible logos (for which I must accept responsibility).

### Features

I hope to continue having regular features from clubs and societies. This doesn't necessarily mean a lot of work on your part, and is the best way of publicising your club's activities. Any newly-elected club captains who are

interested in a feature can discuss their plans with me this term.

While on the subject of clubs and societies I would ask all publicity officers to start planning their posters and handouts for Freshers' Fair. There is always a rush for printing to be done in the week before term starts and so it is best to get it done this term or during the summer.

Finally, if anyone is interested on working on FELIX next year in any capacity, then please come along. No previous experience is required, and no great commitment is expected. If you just have a good idea for FELIX next year, then please feel free to drop in to the FELIX Office to discuss it.

**If you would like to have FELIX delivered by post next year then just fill in this coupon and send it with a cheque for £12.00 (payable to ICU Publications Board FELIX) to the FELIX Office.**

Name.....

Address.....

# A DREAM OF FLYING

Imperial College Gliding Club was the first university gliding club in Britain and is 54 years old this year. It is affiliated to the Lasham gliding club in Hampshire, which is one of the largest gliding centres in Europe. To go up in a glider has always been an ambition of mine, so when Dave Keene, captain of the gliding club offered me the opportunity to spend a weekend with the club I jumped at the chance.

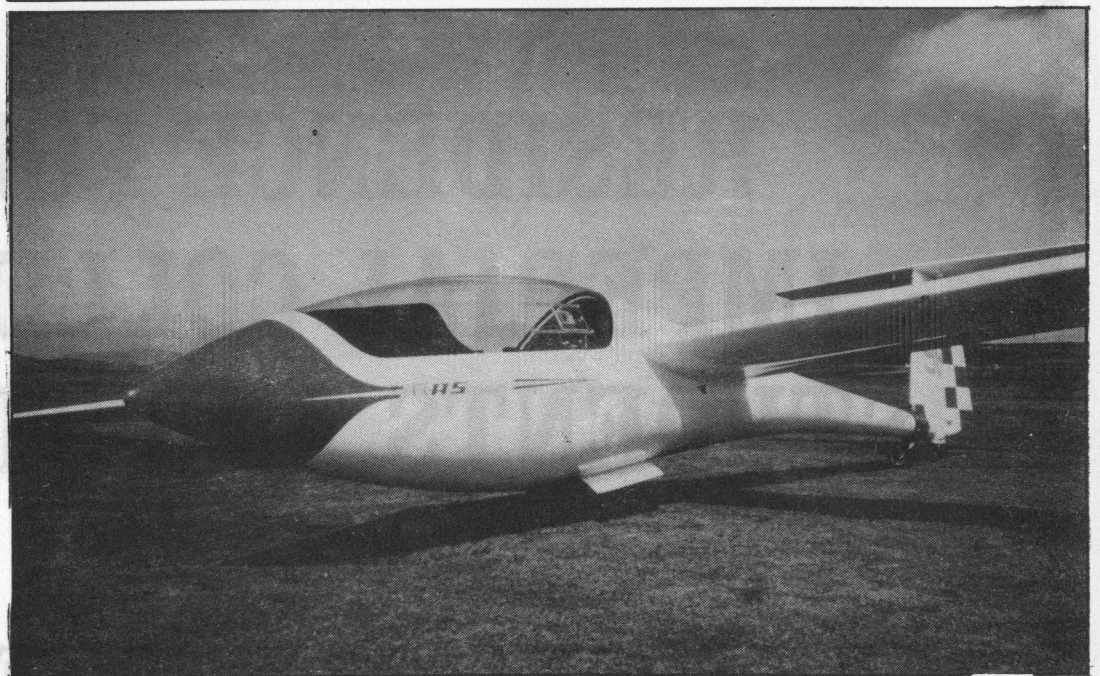
The usual procedure is for club members to either make their own way down to Lasham, or to get lifts from other club members. Lasham's facilities are available all year round, every day of the week to IC club members. However, most people just go down for the weekend. Any number between five to fifteen students spend a weekend at Lasham, it depends on the time of year.

In the bad old days members had to make do with the Lasham club's bunk houses for accommodation which used to be so grim that even the rats moved out. Dave told me that no matter what the weather or time of the year the overnight temperature of the bunkhouses was always the same—bloody cold! Since then the club has purchased an old scout hut which accommodates 14 people. It has all the mod cons: a kitchen, toilet, hot and cold water and, most important, a parafin heater.

On arriving at the scout hut on Friday I discovered that the old hands had bagged the bunks closest to the heater. It wouldn't have been so bad had I bought an ultra expensive, thermally insulated sleeping bag like everyone else had. Foolishly I bought along a sleeping bag I found in the FELIX Office. Whilst it served a useful purpose accommodating former Editors overnight in the FELIX Office, it was definitely not the thing for a scout hut in the middle of the exposed Hampshire countryside. I shivered consoling myself with the thought that it would be warmer in the morning—I was wrong.

I awoke to a bleak February morning. An icy cold wind swept across the snow covered airfield. I emerged from my sleeping bag with trepidation about the forth

*Whilst most people are content just to dream of soaring like a bird across the skies, members of Imperial College's Gliding Club actually, do so, every weekend. Pallab Ghosh reports on a day spent with the club.*



*The Club's high performance ASW19 waiting to be launched*

coming day. After a hearty breakfast of hot baked beans and tea at the clubhouse we put our names into the ballot. The order in which names are drawn out decides the order of flights. Next we had to push out all the gliders that were going to be used that day from the airfield's main hanger. Although it is possible to hire Lasham's gliders for flights most enthusiasts group together and buy their own glider. The club have three single seat gliders, a K8 for early solo flying, a Club Libelle for intermediate and cross-country flying and a high performance ASW19 for cross-country and competitions.

While waiting for your turn for your flight you are expected to push other peoples' gliders into place for take off. The enthusiasts are very much a community and the emphasis is on cooperation and working for each other.

Soon it was my turn to go up. I was just to be a passenger with an instructor at the controls behind me. I was strapped in the checks were made and we were ready to go. There are two ways for a glider to be put up into the air. It can be towed up like a kite

by a purpose built tow truck or by a light aeroplane. Aerotows are more expensive but do take you higher and you get more time in the air. Because of the conditions that day aerotows were out.

I saw the tow truck in the distance move off. The tow rope slithered quickly like a snake along the ground as the slack was taken up. The glider jolted forward and within a few seconds the ground fell away from under us. The glider slowly climbed to a height of about 1,500 feet. You could see nothing but white sky and hear only the roar of the wind.

Suddenly the tow rope was released and momentarily we sank, my heart was in my mouth. Panic and exhilaration filled me. I was flying on the edge of the elements away from the frenzy of life on the ground. It was like flying in a dream, gliding effortlessly over the ground, and feeling totally free.

Once up the glider sinks back to earth at about 200ft/min. My pilot was searching for lift to keep us up. The search and utilisation of lift is the basis of gliding. A

good thermal can send a glider up 600ft a minute.

I, like most people who go up in a glider for the first time, was hooked. For students who have time and money the next stage is to fly solo. Before being allowed to fly solo a pupil has to undergo a certain amount of training in a two seater glider with a qualified instructor. There is no minimum number of hours to be flown, pupils are sent solo when their instructor is satisfied they are safe and competent, usually this takes between 40 and 60 flights. The club receives a generous subsidy from the Union which reduces costs to about £3 per training flight.

Once solo you have just begun. The next stage is to pass another series of tests to be able to cross country. To be able to spend several hours gliding in the air. This is really what gliding is all about.

*Anyone interested in being taken up for a flight with a view to joining or taking part in the club's summer activities should see Dave Keene via Chem Eng UG letter-racks or through the Union Office*

# **SUMMER VACATION**

**1984**

## **RESIDENCE FOR IMPERIAL COLLEGE STUDENTS AND STAFF**

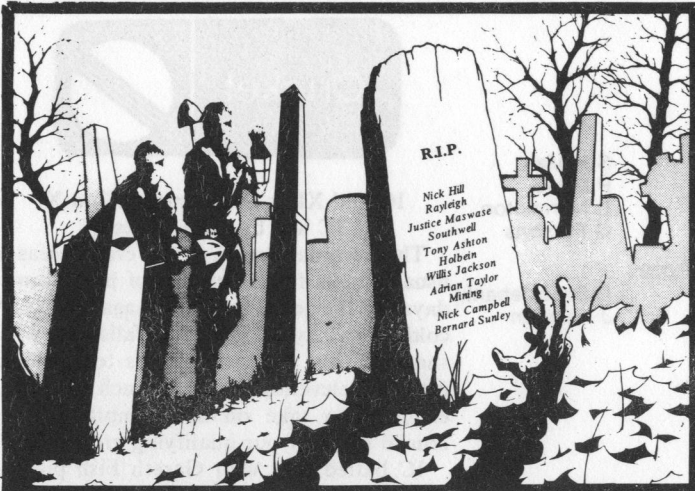
**APPLICATION FORMS FOR RESIDENCE  
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**N.B. Those living in residence and  
wishing to stay on for the vacation  
must also apply.**

**CLOSING DATE FOR APPLICATIONS FRIDAY, 25 MAY 1984**





## HOUSE WARDENSHIPS

Wardens are required for the 1984/5 session for the Houses in Evelyn Gardens.

All Houses will be available.

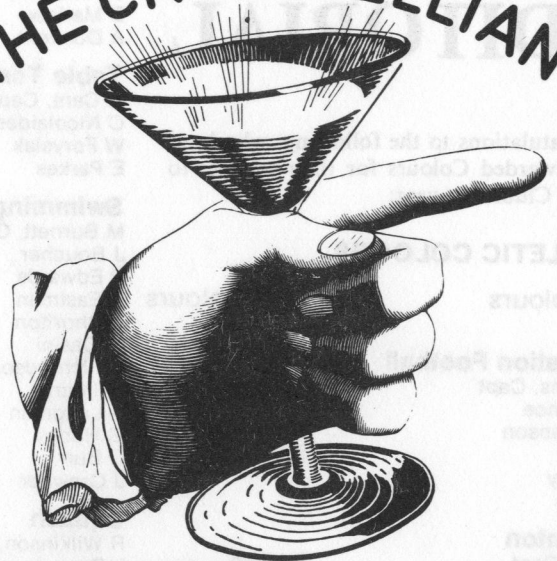
Application forms are available from IC Union Office and should be returned to the President, IC Union by Tuesday 29 May 1984.

Applicants should be responsible, mature people, preferably postgraduate and married.

Accommodation is provided.

Further information available from IC Union.

## THE CROMWELLIAN



### COCKTAIL BAR

Mon-Fri 6.00-11.00 Sat 8.00-11.00

**Happy Hour** **Monday Special**

6.00-9.00 Cocktails £1.60

Cocktails £1.50 all night

**NIGHTCLUB** Tues-Sat 11.00-3am

Entrance to Night Club half price on presentation of Imperial College cards

Entrance on: 3 Cromwell Road, SW7. Tel: 584 7258

## S M A L L A D S

### FOR SALE

●Pioneer tuner amplifier, 45w per channel RMS. Perfect working order £800.00. Tel 370 4957.

●Mini 1000, L reg, good condition, MoT and taxed, serviced, reliable £500 ono. Ask for Clive Stanway either on int 4082 or 607 6288 (eves).

### ACCOMMODATION

●Flatshare place vacant for summer contact Rob 675 0617.

●Person required to share large double room in flat near college, 42 Queensgate Gdns, 581 2403. Male only. £25pw.

●3 person private basement flat (Lexham) for lease over summer, approx £30 each. Contact 373 1544 after 6pm—Frazer or Jackie.

### JOBS

●Mathematics graduate required to teach Mathematics up to open scholarship standard from Sept 84. PGCE not essential. Chigwell School is an independent HMC School, 12 miles from London. Salary above Burnham Scale II. Further details from the Headmaster, Chigwell School, Chigwell, Essex IG7 6QF, tele 01-500 1396.

●Stockroom attendant at 'Visnews' near Hanger Lane, ability to lift heavy boxes a distinct advantage. Must start 11 June, finish end of July. £100pw Phone Ms H Walker, 965 7733 x251.

●UROP. Physiological flow studies unit are offering summer bursaries at the standard rate for UROP students of £700 for ten weeks. Suitable for aeronautics, chem eng or physics undergraduates. Contact Prof C G Caro or Dr M J Leve, E552, ACT Building.

●Two UROP Summer Projects. Suitable for students of computing but also others with a strong background in computing. Both projects will

require the use of assembly code on the LSI/11.

1. Data Acquisition in Real Time on an LSI-11 computer, develop test and document software for streaming analogue data without loss of samples from several channels onto digital magnetic tape at continuous rates up to the hardware limitations of the system. Routines for reading the data back and previewing it graphically are also required.

2. Network Filing. LSI-11 computers are to be connected to an existing omnet network which contains a disk file server. The directory formats of the Omnet disk are not the same as standard directories for the LSI-11 system, routines are required for transferring files from the Omnet disk from the LSI-11 (more difficult because the Omnet directory must be updated safely).

UROP bursaries are available for these projects at the current UROP rate of £700 for 10 weeks. Those interested should apply in writing to Dr D M Monro, Elec Eng. Please give details of relevant experience and the name of a staff member familiar with your computing work.

●More summer jobs on the Union Office noticeboard.

### ANNOUNCEMENTS

●RCS Motor Club Ground Crew—see BBC 1 Friday 5:40pm.

●ICAF3 3rd XI photos collectable from me in Philips Lab (Old Chem) any afternoon. Bring £1.50. Love, F-Ish.

●Could all equipment belonging to the Hockey Club be returned to C Jones, Chem NB 432.

●University of London Chorus and Orchestra will be performing 'Dream of Gerontius' by Edward Elgar at Southwark Cathedral on Friday 25 May at 7:30pm. Tickets (£2, £3) on the door.

●Live in concert—Jonathon Kemp (and support) Briscoe Lab 22 May 10:30am.

### PERSONAL

●Those beefburgers were puke, Dulwich.

●Don't throw sticks in Smirkes road, Deany.

●You couldn't stomach two Guinness, Wizard.

●Deans a Library man and he's afraid, he got mugged in the light of day.

●What's a stuffed dog doing at Wimbledon Station? About 10 miles an hour.

●Why did you resign, Arnold. Why why why why why?

●Wilke's has got a big belly.

●Where did you get that hat where did you get that hat.

●Nuclear Calculators for sale—apply Rohleder, East Berlin.

●Come to the Harvey Casino disaster—large teeth and bad breath essential.

●Wanted: accommodation for the Young Ones. Contact Yorkshire Snooker Sex Star, the Crucible Sheffield.

●Fresh (?) Fish for sale. Apply 203 Hamlet Gdns.

●To the rest of you (whoever you may be)—there's nothing at all wrong with you, or so I've heard.

●Message from Charley 'Can I have a Dulwich?'

●Well done the Omelette on your cup success.

●The rambler of the year is.....

●Wheres that radio-active pen?

●Zippee and George's Big Bungle is watching you!

●Don't be late, late make a it, the party sixth room, to be common in the pizza held.

●Living in harmony harmony in Cloppa Castle blah!

●Jill Thurlbeck: The Usual Two skill think you're beautiful.

●Why is RCS Broadsheet better than FELIX?—Because it has staples.

●What is better than a Broadsheet with two staples? A Broadsheet with ten staples.

●Why don't you pull your finger out Hugh?

●What do little catholic boys do in their nightshirts Hugh?

●Has Hugh got the seven year itch?

### SERVICING & REPAIRS at

## RICKY'S GARAGE

(Personal service guaranteed.)

19 QUEENS GATE PLACE MEWS,  
SOUTH KENSINGTON,  
LONDON S.W.7.

Tel: 01-581 1589

### MONEY

I graduated last summer and soon afterwards entered into the world of finance. Now I enjoy a 5-figure income. I would be delighted to train people living in the London area. Please contact Graham Duckett 01-831 7831.

## EDITORIAL

Congratulations to the following, who have been awarded Colours for their services to Sports Clubs this year:

### ATHLETIC COLOURS

#### Full Colours

#### Association Football

D Griffiths, Capt  
G Lawrence  
D Stephenson  
D Hardy  
P Bravery  
R Clarke

#### Badminton

J Scott, Capt  
I Bull  
D Demico  
L Yap  
S Francis  
M Ross  
A Royles  
J Ellis

#### Basketball

T Vink, Capt  
K Jarrett  
G Droungas

#### Boardsailing

C Leuchtenberg, Capt  
F Carr

#### Cross-Country

R Morrison, Capt  
S Cafey

#### Hockey

P Cunningham, H Capt  
M Realff  
M Hall  
N Farmer  
M Storey, L Capt  
S Shelbourn, Capt

#### Judo

A Binding, Capt  
T Stockings  
I Nevitt  
M Smith  
G West

#### Kung Fu

D Ogaram, Capt  
B Alley

#### Rifle & Pistol

G Bowser, Capt  
S Harrison  
T Higgs  
A Hamilton  
G Jones  
G Kolbe

#### Rugby

D McGee, Capt  
C De Rohan  
S Philips  
I Hutchinson

#### Sailing

G Kennedy, Capt  
A Jones  
P Howarth  
G Castle  
P Bevan

#### Half Colours

R Heath  
J Rigby  
N Vandenberg  
D Lynne

P Milne  
D Allen  
A MacAlear  
C Bean

A McKenzie  
H Haghighi  
M Diaz

S Ramm

G Booth  
G Harker

A Stewart  
P Dubenski  
R West, M  
A Banks  
L Wakeling  
K Barnett, L

S Parker  
K Markham  
C Scott  
R Kowe  
P Mellor  
C Dunn

S Considine  
N Hallows  
G McHale  
E Ashford

J Exley  
M Thompson  
A Ralph  
P Seccombe

A Jefferies  
K Bennet-Clark  
C Hill  
P Robson  
E Webb

#### Sporting Motorcycle

J Faircloth, Capt  
B Marlow  
A Durwent

#### Table Tennis

G Cant, Capt  
C Nicolaides  
W Forsyiaik  
E Parkes

#### Swimming & Water Polo

M Burnett, Capt  
J Boucher  
P Edwards  
R Eastman  
S Chorlton  
M Casini  
P Richardson  
M Peart  
A Langman  
G Hurley  
C Burr  
J Crowder

#### Squash

R Wilkinson, Capt  
L Daneshmend  
P Jones  
H Douglas-Defresne

#### Volleyball

M Lam, Capt  
P Walker  
D Song  
S Adams  
M Florida-James  
A Hedges  
C Christou  
S Scicinski

#### ACC SOCIAL COLOURS

John Scott, ACC Exec  
Steve Harrison, ACC Exec  
Gabby Shields, ACC Exec  
Tim Stockings, ACC Exec  
John Davies, ACC Exec  
Dr Dave Chadwick (RA)  
Jimmy Lee Young, Boardsailing  
A Mae Alear, Badminton  
C Bean, Badminton  
H Shannon, Badminton  
Fraser Thompson, Bike Club  
Peter Hardee, Rugby  
Max Casini, Rugby  
Mark Hudson, Rugby  
Jim Ward, Hockey  
Jo Hannah, Hockey  
Duncan Wigney, Hockey  
Jon Barden, Football  
Rich Heath, Football  
Garry Lawrence, Football  
Dave Keen, Football  
Nick Walker, Squash  
G Bowser, Rifle & Pistol  
J Bennet, Sailing  
R Tostevin, Sailing

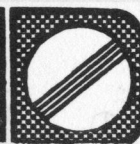
S H Man  
P Milne  
B Norminton  
G Parsons

D Brocklebank  
J Pearson

I Rogers  
H Mashanyare  
P David

R Sharifi  
V Shorleson

### Cricket



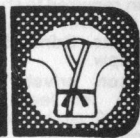
#### IC 2nd XI vs Southampton 2nd XI IC lost by three wickets

The eventual arrival of the cricket season usually casts forth illusions of hot summer days and the gentle thud of bat against ball. A cold windy day at Harlington falls somewhat short of this, but nevertheless ten intrepid men (our eleventh arrived at lunch) grave the elements to take on Southampton in the crucial game of our qualifying group.

IC batted first with Gareth Fish playing some rather cavalier strokes before lobbing a catch to mid-off. Dave Jones on the other hand, having been dragged out of Mech Eng reading room at 9:30am and wearing an assortment of other people's kit was having difficulty seeing the ball let alone hitting. However he and Roger Wilson pushed the score along to 85 before Dave was eventually out. At this point the middle order staged a dramatic collapse, Chirs Cole's impression of Derek Randall however did provide some amusement for those who weren't trying to keep warm inside. In the end we were all out for 132 which we knew wasn't really many runs to defend.

At the beginning of the Southampton innings we took the wickets of their two opening batsmen in the first two overs and suddenly we were in with a chance. However at this stage one Southampton player decided to smash the ball to all parts of the ground and there was little anyone could do to stop him. Fortunately we got him out before tea but it seemed unlikely we could win. However after tea Chris Cole, bowling with the wind, took a couple more wickets and gave us a chance again, but in the end Southampton just crept home leaving us to drown our sorrows in the bar and look forward to Saturday's game.

### Judo



On Sunday 6 May, three members of the IC Judo Club went to the LJS in Stockwell for a grading. Jim Dawson, at his first grading, threw his first opponent for ijpon, and got a well deserved yellow belt. Caroline Scott, recently elected next year's Captain, was promoted to green belt, not helped by some dubious referee decisions. Modesty prevents me saying how well Graham West did, but suffice it to say I was promoted to brown belt, after two straight wins.

In addition to Cathy, Ian Nevitt, Sarah Parker and Chris Dunn were elected onto next year's exec.

The last scheduled practise is next Tuesday. Those wishing to continue Judo may do so at ULU on Friday evenings. A social event has been provisionally arranged for Thursday 21 June, further details will be available on Tuesday.

### Badminton



The AGM will be held on Friday 25 May at 7:00pm in the Volleyball Court. Papers are up for those wishing to stand for posts on the Badminton Exec. All members of the club are welcome to stand, whatever their ability. I dare say there might be a little drink in Southside afterwards.

# SOCIAL COLOURS 1983—84

## GENERAL

### Students

Jim Boucher, Academic Affairs  
Chris Brannick, Nightline  
Bruce Bricknell, General  
Ian Bull, screwing  
Peter Burt, External Affairs  
Joanna Claydon, General  
Ann Collins, Academic Affairs  
Sean Davis, ICU Hon Sec  
Pallab Ghosh, FELIX  
Chris Hendy, PG Affairs  
Dave W Parry, General  
John Passmore, General  
Simon Porter, Ents  
Dave Rowe, Pub Board  
Jeremy Rudd, Silwood  
Jeremy Bryson, Beit Hall  
Jane Merry, Silwood  
Andy Adams, Silwood  
Caroline Johnston, Silwood  
Hugh Southey, Internal Services  
Hugh Stiles, General  
Adrian Taylor, House Warden  
Christine Teller, ICU Dep Pres  
Graham Thorpe, Academic Affairs  
Gaynor Lewis, ICU President

### Staff & College

Roger Pownell, Southside Bar  
Malcolm Aldridge, Finance  
Pat Baker, Union Typist  
Dave Burkenshaw, Estates  
Paul Gooderson, Police  
Jen Hardy-Smith, Union Administrator  
Joanna Hewanicka, Union Receptionist  
Roy Hicks, Bookshop  
Fred Hollinshead, Finance  
John Smith, College Secretary  
Ray Tavener, Finance  
Ieuan Thomas, Domestic Secretary  
Ken Weale, Hon Sen Treasurer  
Roger Serpell, Red Cross  
John Thole, Humanities  
Ann Reynolds, Harlington  
Mick Reynolds, Harlington

### SCC

Robin Graham, SCC Exec  
Dr Sinclair Goodlad, Pimlico Conn  
Charles Penman, Amnesty  
Mic Robinson, Amnesty  
Sara Casson, TWF, Soc Soc, Cath Soc  
Paul Riley, UN  
Martin Attwell, Soc Soc  
Erica Fuller, A-A, TWF  
Ian House, Soc Soc, TWF  
Nigel Blake, Cath Soc  
John Parkin, Meth Soc  
Heather Green, CU WLC  
Chris Mannall, WLC  
Laurence Gergel, Jewish Soc  
Nigel Young, WLC  
John Sattaur, SCC Exec  
Jonathan Gerson, SCC Exec  
Dr Robin Smith, SCC HST  
Michael Newman, CND  
Guy Riddihough, SF Soc  
Ian Stockdale, Con Soc  
Chris Day, Ind Soc  
Dave Procter, Ind Soc

## SCAB

Mark Williams, Chamber Music Soc  
Nick Shackley, Deb Soc  
Nikki Scott, Dramsoc  
Matthew Chevassut, Dramsoc  
Stephen Bull, Dramsoc  
David Simmons, Dramsoc  
Mark Priestly, Dramsoc  
Chris Guest, Orchestra  
Ellis Pike, Op soc  
Mike Hodgson, Wind Band  
Richard Robinson, Orchestra  
Robin Fountain, Op soc  
Clive Paget, SCAB Exec

## Pub Board

Maz Fellows, Typesetter  
Diane Love, FELIX  
Steve Cook, HST Pub Board  
Adrian James, Handbook  
Tim Noyce, FELIX  
Tony Atkins, Phoenix  
Peter Rodgers, FELIX  
Jeremy Mocek, IC Radio  
Phil Skeldon, IC Radio  
Martin Smith, IC Radio  
Pete Coleman, IC Radio  
J Martin Taylor, FELIX  
Matt Fawcett, FELIX  
Jon Jones, FELIX  
Neil Collins, IC Radio

## RCC

Jim Loughin, Audio Soc  
Ian Meadowcroft, Audio Soc  
Chris C Jones, YHA

## FELIX Anti-Social Colours 1984

Every May IC Union holds its own version of Hollywood's Oscar ceremony, the Awarding of Social Colours "for services to the Union". Both events are similar in that many dubious awards are made and the most deserving parties are frequently overlooked or deliberately ignored. That's entertainment (sic)! Works of fiction are particularly successful on both occasions and it is with these thoughts in mind that FELIX this year presents its own Anti-Social Colours.

**The Bo Derek Chest Expander**—David Rowe (FELIX Editor-elect and NUS observer) for screwing the Union at Hugh 'Nobby' Stiles expense.

**The Dresser Award for Costume**—Hugh 'Greystoke' Stiles (RCC Chairman and NUS observer) for 'sporting' the 'meanest' 'threads' this side of the Kings Road.

**The Year of Living Dangerously Razor's Edge**—Pallab Ghosh (FELIX Editor) for walking the editorial tightrope with equal disregard for grammar and things in general.

**The Terms of Endearment Space Suit**—jointly to Gaynor 'Jack' Lewis and Ian 'Shirl' Bull with love and kisses.

**The Francis Ford Coppola Award for Self Indulgence**—to Peter Rodgers for this column.

Jeremy Frazer-Mitchell, Chess  
Neil Macmillan, Canoe  
Annabel Mak, Dancing  
Dave Caballero, Dancing  
Clive Orrock, Caving  
Andy Fanshaw, Mountaineering  
Martyn Crownshaw, Surf  
Emlyn Jones, Canoe  
Ken Morrison, YHA  
Ian Bond, Bridge  
Nigel Brandon, Wargames  
David Keene, Gliding  
Mark Williams, RCC  
Ian Jones, YHA  
Debbie Armstrong, Caving  
Stuart Calvert, Snooker  
Andy Hurford, Snooker  
Chantal Smitherman, Riding  
Dave Rusby, Hang Gliding  
Andy Meritt, Graffiti  
Kathy James, Caving

See sports page for ACC Social Colours.

## Academic Affairs

Alex Parfitt, RCS AAO  
Lee Evans, Physics Dep Rep  
Greg Simpson, MRE Dep Rep  
Roy Hepper, Maths Dep Rep

## Rag

James Benbow, Chairman  
Carl Burgess, Rag Mag  
Tim Williams, RSM VP  
Mark Coulthead, Guilds VP  
Gareth Fish, Beer Festival

What's  
On

friday

**1740h** BBC 1 TV  
60 Minutes featuring RCS  
Motor Club at Biggin Hill.

**1900h** Meet  
Union Bar  
RCS Motor Club Dinner, 7:30,  
Soho Wong Kei. Under £5.  
RCS MC get stuffed rigid.

tuesday

**1800h** SCR  
Wine Tasting Society general  
meeting for all members to  
discuss term's future events.  
Numbers for future events will  
be gauged by turnout this  
evening. Will also be  
accompanied by an informal  
tasting.

## IMPERIAL COLLEGE CHOIR

Haydn

Mass in Time of War

Vaughan Williams

Serenade to Music

Stravinsky

Symphony of Psalms

Gabrieli

In Ecclesiis

Friday May 25 at 8pm

The Great Hall, Imperial College

Admission £2 Students £1.50



## South Africa

The Conservative Society are considering inviting the South African Ambassador to speak at Imperial College next year. There are a great many black students at Imperial who would find not only the presence of a representative from such a brutal and devious regime abhorrent but would also be offended by the fact that such a person was speaking at the invitation of a Union society. Other colleges refuse a platform to declared racists and fascists.

On the other hand if universities do not provide a forum for free thought then what hope is there for free speech and debate? The Union has a policy against racism, it also has a policy for free speech—which do you think is more important? Submissions to the letters page should be sent to the FELIX Office by 1:00pm Monday.

## Futures

It is a shame that at a place like Imperial buzzing with exciting research on the forefront of science that there is no science page in the College newspaper. In an attempt to remedy this I have started a FELIX Futures page (page 4) which I hope will continue next year. This week it is about work going on in the Department of Computing on the development of fifth generation computers. If this page is to continue we will need the cooperation of staff and students to tell us about any interesting or exciting research they know of. Please get in touch with either myself or David Rowe via the FELIX Office.

## Rag Fete

Tomorrow is Rag Fete. There will be all kinds of stalls, the Queens Tower will be open, the Guilds custard pie brigade will be out in force and Mike Stuart will have his head shaved if £300 is raised. You don't even have to miss the Cup Final since there will be a giant video projection screen showing the match live. It will start at about 2:00pm on the Queens Lawn.

## Free Accommodation

Please note on page 9 there is an advertisement for new House Wardens. Apply to the Union Office by Tuesday 29 May.

## Credits

Jon Jones, John Scott, Ulysses, Dave Rowe, Diane Love, Hugh Stiles, Peter Rodgers, Pete Hobbs, Nigel Atkinson, J Martin Taylor, Mike Smith, Chris Martin, Nick Shackley, Maz and Pete.

Pallab Ghosh



# ULYSSES

## This Week's Puzzle

For this, I am indebted to 'Rupert Bear'. It's a logic puzzle which is better than the usual, and even though I said I'd make them easy this term, I'll make an exception this week.

There is an old tradition in the physics department at Primelia College. Every year, at the end of the autumn term, there is a Christmas Test to see how the first year students are getting on. Unfortunately there is another well established tradition that if a student finds out that he has failed then he waits until lunch time before climbing to the top of the Queens Tower and jumping off. One year, after receiving all the results, Dr Keith Barnight, Head of the department, had an idea to help the struggling students without the possibility of any fatalities. He wrote notes to all the first year students listing those people who failed, always leaving out the name of their person to receive the particular note if he was also a failer. This way, he thought, the people who needed help would get extra support from friends without actually finding out that they had failed. After delivering all these notes in the afternoon, he relaxed knowing that the students wouldn't show each other the lists at the risk of causing unnecessary damage to the Queens Lawn.

After five days without anyone jumping, Dr Barnight thought everything was alright. However, on the sixth day after delivering the notes, the six freshers who failed all went up the tower and jumped off. Assuming there is at least one failure, how did the failers know that they had failed?

*Solutions, comments, criticisms to me at the FELIX Office by 1:00pm on Wednesday, please. £5 cheque, courtesy of Mend-a-Bike, for the randomly selected winner.*


## Last Week's Solution

80809
12470020316
992
1003
992
1116
1116

Of 25 correct solutions, the randomly selected winner is R B H Tan of Chem Eng 3 who must know where to pick up the cheque from by now.

Thanks Neil.

If anyone wishes to apply for the job of Puzzles Editor for next year, could they please contact me by Wednesday week (30 May) with a few puzzles.



**IMPERIAL COLLEGE**

**UNION**

**AGM**

**24 May Great Hall 1pm**

# EXEC NEWS SPECIAL

## ANNUAL REPORTS

### PRESIDENT'S REPORT

#### INTRODUCTION

As the President has overall responsibility for the running of IC Union the annual report of the person holding this office is usually an assessment of the many and varied aspects of IC Union, as well as a report on issues which have been the direct responsibility of the President.

This year is the first in three years that the Union has not lost one or more of its sabbatical officers. I believe that the Union has functioned more effectively than in recent years due to team work of the sabbaticals. A friendly, working atmosphere in the Union Office generates a smoother more efficient Union and hopefully produces more results.

One of the major disruptions in the Union Office this year came with the loss of Jo, our receptionist, in early April. Jo left us to return to her original vocation, graphic design, and is thoroughly enjoying her new job. I would like to take this opportunity to thank her for all she has done for IC Union and wish her the best of luck with her new job and in the future.

The loss of a receptionist put more pressure on Jen, Pat and the sabbaticals due to the increased workload. As ever both the staff and students coped amazingly with the extra work, and I am extremely grateful to all the Union officers, especially Jo, Hugh and Ian, who 'stepped in' and helped when the office was under strain. There is no doubt that the Union would have suffered without the extra support of these people.

#### UNION GENERAL MEETINGS

Union General Meetings have usually been quorate this year. I feel this is directly related to the discussion of issues that are relevant to the student body within IC. Although issues such as student grants, the Inner London Education Authority, and human rights have been discussed, there is no doubt that the majority of people attending UGMs were more interested in the 'Freedom of Choice' and NUS motions. However the importance of the UGM as a body to which the sabbatical officers are ultimately responsible should never be lost. I have been disappointed and angered this year by certain individuals, who because a decision has not 'gone their way', have called quorum either at the beginning of the meeting, or at a point during the discussion when it is obvious that their feelings are not in the majority. Personally, I feel that these people who advocated democracy and responsibility, do not live up to their own expectations and certainly do not live up to mine. When such incidents have occurred it was pleasing to see so many people remaining to ask one or two questions.

#### COUNCIL

This year, although this committee has been fairly active I have felt that it was unable to discern between matters of immense importance to the Union and minutea. Issues such as the takeover of the Union refectory raised little discussion, whereas minor changes to student representation on College committees appeared to be extremely controversial. However, the attendance at Council this year has been extremely encouraging with no meeting failing to be quorate.

#### The Executive

The Executive met this year only when relevant issues needed to be discussed or after a certain time lapse. There is certain feeling amongst some Union officers that the Executive this year has not fulfilled its function, but although the Executive has not functioned as well as I might have liked this year, I do not feel that their opinions are fully justified. I believe the Executive committee is essentially an information committee, which takes decisions on everyday matters but makes policy only when the time scale involved prohibits the issue being discussed beforehand by Council. This year the executive has had to make disciplinary decisions, some of which were overturned by various appeals. Dealing with the disciplinary actions made me realise that the Union disciplinary procedure needed updating. I presented the updated version at Council which was approved; I would ask this UGM to approve this updated version, with the inclusion of the recommendations of the last appeals committee.

#### CONSTITUENT COLLEGE UNIONS

The Constituent College Unions have in general functioned well this session, and have been active in many different ways. Certain events fielded have caused controversy within the Union and its members, resulting in many motions being tabled at IC Union General Meeting, with some decisions being overturned from one meeting to the next.

I was disappointed by the attitude taken by some of the Constituent College Union newspapers during the IC Union sabbatical elections, which contributed towards the decision of the elections committee to

disqualify one of the Presidential candidates. Whilst I am aware of CCU autonomy, I would recommend that if in future a CCU newspaper directly contravenes ICU election rules then that paper should cease to be funded through IC Union subvention.

#### MAJOR SUB COMMITTEES

As usual the major sub-committees have worked well and been very active. The regular meetings serve as a useful forum for information to the sabbatical officers. It was my loss that I was unable to attend as many as I would have liked.

#### Athletics Clubs Committee

At the beginning of the 1983/4 session IC Union affiliated to the Universities Athletics Union, in order that sportsmen and women would be given the opportunity to compete on a national level. The results speak for themselves, with IC winning the national finals in volleyball and waterpolo, being runners-up in a 6-a-side cricket, winning regional competitions in many sports as well as individuals from IC being chosen to play for the UAU team, in some sports. With full representation in all sports next year, this can only improve.

I am extremely grateful to College and John Smith in particular for providing special grants so that the sporting facilities at IC could be improved. This included the installation of shower facilities in the volleyball court and the initiation of a loose weights facility in Southside.

Sportswomen at IC have also received recognition this year, with Ladies Rugby making their debut TV performance in a large bubble bath at Harlington.

#### Overseas Students Committee

OSC suffered many problems at the beginning of the year with the election of its officers and attendance at meetings being low. However with the appointment of a new chairman the situation is quickly improving. A new society was formed this year, the Nigerian Society who have been exceptionally active since their formation.

#### Publications Board

Controversy reigned early in the Union publications this year, with the Executive censoring certain articles in the IC Union Handbook. It was felt that some articles reflected too much of the Editors own views rather than providing general information about IC Union.

The Rag Mag also caused controversy, with a delegation of women coming to see me to voice their complaints. Nothing came of this incident, as the Executive were satisfied with the contents of the Rag Mag.

Again the annual publications of the Phoenix and the Alternative Prospectus were produced, the quality of both being high.

FELIX, the newspaper of Imperial College Union, exhibited a certain style this year that caused major discussions both on Council and in College. The style and personal comments in many articles caused College to produce an alternative magazine, Fido, expressing views that had not been published in FELIX, as well as different types of articles. After the publication of Fido, Council made known its views on FELIX, which I hope were noted by Pallab. From my own viewpoint, I was disappointed that I had to continually correct inaccuracies that had been reported in FELIX. My only other comment on FELIX this year is that my personal opinion of the Editor is not very high!

#### Recreational Clubs Committee

The activity of many RCC clubs appear to have increased this year, with many achieving national notoriety, including hang-gliding and chess. A new innovation in RCC this year was the introduction of first aid courses for the safety officers in the 'hazardous clubs'.

#### Social, Cultural and Amusements Board

As usual the societies in SCAB have excelled themselves, in their various productions and debates. Iolanthe, Gallileo, the choir productions and Debsoc's debates being well supported by both students and staff.

#### Social Clubs Committee

With the increased activity of a number of the clubs, the notoriety of people invited to speak at many of the clubs meetings has also increased. In many other colleges the reaction to controversial speakers has been violent activity would occur at IC, clubs have had to ensure adequate security whenever speakers have been invited.

#### UNION COMMITTEES

##### Academic Affairs

This year academic affairs have had a lower profile than last year, however I believe many departmental representatives have worked well within their departments.

##### External Affairs

Peter Burt, EAO, has put a tremendous effort into his post this year, guiding the committee into an active? involvement in campaigns against

the reductions in the student maintenance grant, the decrease in student travel awards and the abolition of ILEA. Peter has expressed the view that the sabbaticals and Council have not supported the External Affairs Committee. Personally, I did not stand on a politically inclined platform and have felt that my priorities lay with many other aspects of the Union, which may have led to my involvement with External Affairs being less than that of my predecessor.

I have attended GUC (essentially ULU Council) as a representative of IC Union, however in my opinion the committee has very little to offer IC. The internal sabbatical structure of ULU has been put under great strain this year, which has led to a loss of direction of any objectives it originally had. GUC has functioned, but has suffered in my opinion from the political inclinations of the other London colleges in attendance.

#### **Internal Services**

The Internal Services Committee was set up for the first time this year. It has worked well, being actively involved in the discussions on the takeover of the Union refectory. I hope it continues to work well next year under its new chairmanship.

#### **Rag**

Rag looked doomed at the beginning of the year with the failure of the Rag Chairman, however thanks to Sean, Dave Parry and James Benbow and their active involvement during the summer and autumn term it has succeeded beyond anything I could have imagined. The CCUs have been active with many different stunts and have contributed wholeheartedly to the Rag Charity appeal. I believe the Rag total this year is hoped to reach £7,000.

#### **Union Finance Committee**

I was pleased that the responsibility for the finances of the IC Union returned to the Deputy President this year. Chris, has chaired the committee with great expertise and a responsible attitude, which has resulted in a more balanced financial view of the Union by both major sub-committees and CCUs. My thanks must also go to Dr Ken Weale the senior treasurer of IC Union who has exhibited great patience and calm when we have continually introduced further financial commitments onto IC Union.

#### **Union House Committee**

I have regularly attended House Committee and am pleased with the progress that has been made in redecorating and refurbishing Union areas. However, both Chris and I have been fed up of moving furniture around the Union Building that clubs have borrowed but not replaced.

#### **Union Transport Committee**

I have been more involved in transport matters than many of my predecessors. This year we proposed certain changes to the IC Union transport system, which has resulted in a larger number of clubs and societies regularly using Union vans rather than having to hire externally. Due to this re-vamping of the bookings system I have negotiated a deal with Budget Van Hire, so that minibuses may be hired at rates lower than standard commercial charges. On one or two weekends during the summer term, a shared costing exercise was used, in order that no club suffered financially from being unable to use a Union van. This worked well and I intend to charge the summer tours on a similar basis. Next year I have recommended that the Hon Sec is responsible for transport, as this ties in well with the extra aspect of insurance incorporated due to the external account being set up with Budget.

#### **COLLEGE COMMITTEES**

##### **Governing Body and Finance and Executive Committee**

These are the two most senior committees within the College structure, both are chaired by Sir Henry Fisher and are attended by senior College administrators and College Governors. IC Union has three representatives on these committees, who have observer status. On several occasions this year we have been given opportunities to voice our opinions on matters ranging from the progress, or lack of it, on the fire alarm installation in Southside, the 28 UGC questions, to the development of the Harlington Gravel with a view of possibly £1,000,000 being made available to expand the sporting facilities at IC. I feel that these meetings are exceptionally valuable to the student representatives as a vast amount of internal College business is discussed, often producing immediate action after discussion at these committees.

##### **College House Committee**

This is a smaller, internal version of Governing Body and F&E, and chaired by the Rector. It deals primarily with matters relating to residences, refectories, estates and conferences. Again, Chris and I, as student representatives have been vocally active on many issues, stating our dissatisfaction with aspects of the Estates and Refectory sections of College. In general, this is not the committee to initiate internal arguments criticising the inefficiency of certain aspects of the College administration, however we did raise a number of issues during the spring term meeting as we were frustrated by the lack of progress being made even though we were continually reporting our dissatisfaction at lower committee levels. This has resulted in something being done—however whether College are able to improve efficiency in certain parts of their administration must remain as a long term objective.

##### **Overseas Students Committee**

This year the committee has been actively involved in the recruitment of overseas students from certain areas. This is directly linked to the College objective of attaining a 40% postgraduate level and restrictions imposed by the UGC.

#### **Graduate Studies**

This committee is concerned with the postgraduate sector of College. It is notable that many of our postgraduates are unable to complete their studies in the allocated three year period, which often results in financial problems. I am grateful to Chris Hendy for his support on this committee.

#### **Welfare Committee**

I found this an unusual committee—it appears to make very few decisions, but receives reports from various sectors. This year we have discussed the Health Centre, student counselling, student residence and women students.

#### **Athletics Committee**

An interesting committee chaired by Sir Toby Weaver. It was unfortunate this year, that for the first time in many years, two fatalities in the Sports Centre had to be reported. The first involved a University College student who committed suicide in the rifle and pistol range, the second, a tragic accident, in the swimming pool where Christopher Darkes, an Elec Eng first year drowned. On behalf of the Union I expressed condolences in both cases. I was able to attend Chris's funeral in December. One of the notable achievements on the committee this year was the agreement that the entry charges to the Sports Centre would not be increased for the 1984/5 session.

#### **Athletics Ground Committee**

A thoroughly enjoyable committee. My thanks to Mick and Ann Reynolds for their work at Harlington—Ann's catering has been well received by all. It is pleasing to report that the attitude of the committee is that any surplus in the bar or catering accounts should be spent on student needs. The mid-term reduction in bar prices was greatly appreciated by sportsmen and women. The only disappointing report at the final meeting this year was that Mick and Ann were still awaiting work on their kitchen by the Estates section, first reported two years ago. To quote Peter Mee, the chairman, "the student representatives see this as a further confirmation of their views of the Estates Office." However, further to Peter's memo to the Estates section, action was taken within hours, and Mick and Ann may even have a modernised kitchen by the end of this session.

#### **Student Residence Committee**

This committee has functioned well this year, although there have been occasions where decisions appeared to be 'railroaded' by the Chairman after possible indications that further discussion was necessary. Meetings have often proved frustrating due to the continual lack of progress made by the Estates section on many important projects.

Following the Lauwerys report on residences last year, many of the issues discussed at SRC were directly related to the report. A College notice, published in February cleared up many uncertain aspects of residences, reiterating the College commitment to obtain a minimum of another 125 residence places, as the loss of the Fremantle is expected in June 1985, with many of the smaller Head Tenancies being lost at the end of the current session.

One of the more controversial aspects of the College notice included the transfer of messenger and security personnel costs onto the residence account. The initial figure discussed was in the region of £90,000. The chairman of SRC, Don Monro and I discussed messenger and security personnel with the Chief Security Officer and eventually proposals were put before John Smith that resulted in the service being costed at approximately £40,000. It remains to be seen whether or not the proposed service will function adequately, although both Don Monro and I believe that students must take an active role in contributing to the efficiency of any security service. Personally, I also believe that, apart from a notable few, security guards employed by the College are totally uninterested in their responsibilities and actively contribute towards the failings in our security service rather than attempt to improve them.

The appointment of the Managing Surveyor (Residences), Peter Hallworth, initiated several discussions. Peter is on secondment from the Estates section and his primary responsibilities will be the upkeep, refurbishment and management of College residences. In recent years Wardens have found it almost impossible to get prompt action on many occasions where work has been requested. I hope this appointment will improve the situation.

Controversy has also predominated this year over the occupancy of the Southside penthouse flats. I am disappointed to report that, although the reasoning has been continually questioned, it appears that the Southside flats will in future be occupied by academics. On a similar but more satisfactory note, the Rector has agreed that the Linstead flats presently occupied by academics, will be put at the disposal of the Students Residence Committee as soon as possible, for use as student accommodation.

One of the issues, on SRC actively taken up by the student representatives this year was the loss of Gerrard Mansions. As this accommodation is unfurnished it was felt that College had acted unfairly in failing to inform students taking up the accommodation at the beginning of the session that the loss of the accommodation at the end of this session would happen, thus making reapplication impossible and the financial outlay on furnishings heavy. I am pleased to report that the decision was taken to renegotiate the lease for a further 12 month period which was satisfactory to all concerned.

It has been a great concern of the SRC this year that the loss of a large number of residence places will occur at the end of the 1984/5 session. A great deal of work has been done by Michael Arthur, Don Monro and John Smith in searching for suitable new accommodation. Although we have viewed several properties this year, none have proved to be

acceptable. One of the major contributing factors to this follows on from the recommendation that the residence should be essentially funded on the basis of a self balancing loan financed scheme served from income, but College now realise that a large gap exists between going property prices and the likely income from present levels of student rents. Due to this shortfall, the residence account is attempting to provide a small surplus each year in order to retain reasonable student rents in the new residence.

A report has been compiled recently on aspects of the Lauwerys report that as yet remain without any action, this is yet to be discussed at SRC. I have also compiled a revised appointment procedure for Wardens, Subwardens (Houses) and Head Tenancy Managers which is soon to be discussed. I would like to make clear that a warden, subwarden or manager should not be reappointed if they have not been satisfactory during the course of a session.

#### **Refectory Committee**

Refectory Committee has been chaired by Dr Simon Perry this year. The meetings have acted as a forum for bringing together the reports of the sub-committees—Wine Shop, Suggestions and Complaints and Bar Committee. On a number of occasions this year we have felt that although the student representatives continually reported their dissatisfaction with the standard, quality and presentation of the food in the refectories, the solutions for a number of our complaints appeared to be the improvement of the environment in which the food is eaten. Although I agree that pleasant surroundings are desirable in a refectory, I do not believe they will make up for poor food quality and extortionate prices. During the year it appeared that the refectory committee were unwilling to make decisions on the major objectives of the refectory system ie whether each outlet should be functioning on a break-even basis or how much profit the bars should be making. It was always stated that in the past the system has worked—however I feel this was more luck than judgement.

I have been disappointed with the management of the refectory system within College—the situation oftened appeared as if no one really knew what was happening. The number of occasions when the student representatives questioned why the system should be managed in such a way, was only outnumbered by the number of times it was reported that someone "would look into it". Chris has fully documented refectories in her report—I don't believe I need to report any more.

#### **Shop and Suggestions Committee**

I was asked to take over the chairmanship of S&C Committee in the spring term. I did so hoping that this would improve the communication into the refectory system. I failed dismally. It appeared that we were continually minuting the same problems meeting after meeting with little having been achieved to solve them at any point. I do not believe these committees work well as the basic problem lies with the quality of the food, not in talking about it meeting after meeting after meeting.

#### **Union Refectory**

The dissatisfaction of the refectory system offered by College caused the Union to investigate the possibility of taking over the Union refectory.

ICU submitted proposals to College in late March, indicating their interest in running the present refectory as a snack bar outlet under IC Union control. The objective being to provide a complementary service to the present College facilities available, providing a simple hot and cold food during the lunch period, and snacks mid morning and afternoon.

It was envisaged a committee would be set up as a means of communication between the Union and the manager of the outlet, and would consider problems such as suppliers of food, long term fabric of outlet etc. The manager would be responsible for ordering of stock, day to day running etc. College have agreed to the Union's proposals for the refectory outlet, however the final discussions regarding capital expenditure, financial aid from College and personnel matters are still to take place. Chris and I will be meeting the senior College personnel involved to discuss these issues at the end of May.

Although the sabbaticals originally began work on this project, I am grateful to Hugh Southey and the internal services committee for their help during the final stages of the proposal, indicating that a strong continuity through to next year will exist, which will ensure that the outlet is managed effectively and efficiently. This is undoubtedly one of the major achievements during this year, and I wish everyone the best of luck for next year.

#### **WELFARE**

There are numerous aspects to welfare problems at IC, some of which have been solved this year, some of which are unlikely to reach a more satisfactory solution than at present.

#### **Health Centre**

The continual problem of a long waiting list and 'all day' open clinics has increased this year. The Health Centre has attempted to alleviate the problem through introducing a ticket system at the open clinic—however this has done little solve the problem as the centre is overworked with the present level of staff.

#### **Rape Alarms**

At joint Council last year, policy was made that every female student

would be entitled to a rape alarm if they felt this necessary. Both Chris and I have always been dubious as to the use of these hand-held rape alarms as we felt they were unreliable and possibly dangerous to the victim as well as the attacker. We investigated the possibility of distributing a different model but have had limited success. I would like to recommend that next year's welfare officer thoroughly investigates the sources of supply of rape alarms if this policy is to continue and (ii) is responsible for the distribution of the alarms.

#### **Welfare Handbook**

I was disturbed to find that there were a number of inaccuracies in the IC Welfare Handbook 'But were afraid to ask', I also felt it lacked information directly related to IC. I hope this situation will be remedied before the Handbook is reprinted this year.

#### **Welfare Assistant**

I was extremely pleased that Karen Stott was appointed as a permanent member of staff this year. She is an invaluable asset to Student Services and our welfare service.

#### **OVERSEAS STUDENTS**

Judgements made at the House of Lords during the past eighteen months regarding the terms and conditions under which ordinary residence of the United Kingdom was considered, leading to the decision of whether home or overseas fee status is applicable, has had a significant effect on a number of students at IC. Many students previously classified as home students now have to pay overseas fees. I had to deal with a number of queries at the beginning of my term of office, with many students being in a financially desperate state. Fortunately, in most cases the departments involved were able to cover the extra fees for the remainder of the research period. However some students suffered from the decisions. One of the outcomes of the judgement was that some students may be eligible for a refund in fees for the 1982/3 session. This may have affected about 50 IC students. College are awaiting a decision on a test case presently in the Courts before they take any further action.

#### **POSTGRADUATES**

My involvement with the postgraduate sector of IC has been very low this year. Although I have had a fair amount of communication with postgraduates through clubs, societies and financial problems, my involvement has not really extended beyond those issues. However, I would like to thank Jeremy Rudd (Silwood) and Chris Hendy for their involvement in postgraduate issues, and congratulate them on an extremely successful joint Postgrad party held at Silwood in March.

#### **CONFERENCES**

This year the sending of delegates to conferences has been one of the main issues of discussion, with a decision to send delegates to NUS Conference as observers being made at Council and subsequently overturned at a UGM. However, a number of delegates have attended conferences this year.

#### **Presidents Informal**

I attended this two day conference in Bradford. Although the intentions and objectives of the conference were good, I did not really feel that either I or ICU had benefitted to a great extent. I would suggest to next year's Exec that this conference is probably more applicable to the External Affairs Officer than the President.

#### **Bars Working Party**

Again I attended this conference with three other delegates from IC. I found this conference informative, useful and interesting and would recommend that at least the Deputy President and President should attend next year.

#### **ULU Training School**

I was unable to attend this due to illness, however, reports indicate this a worthwhile venture for sabbaticals to participate in.

#### **NUS**

Eventually a decision was made (and upheld) to send two delegates to NUS Conference. Hugh Stiles and Dave Rowe attended as observers, their general impression appeared to be that although NUS was developing into a better organisation, the benefit ICU would gain through affiliation was not worth the affiliation fee of £15,000. In my view IC Union should not reaffiliate to the National Union of Students. I do not believe the moral argument is valid as I feel the NUS do not have as much bargaining power as they might like to believe. Their success this year with negotiations on the student maintenance grant and travel awards has been minimal. I do not believe IC Union's affiliation would alter the situation. The £15,000 is better spent within IC Union.

#### **INCOST**

Jim Boucher and Joanna Claydon, represented IC at INCOST 1984. The Conference appears to have been extremely successful. The delegates returned with the recommendation that IC host INCOST 1985. The subject of the conference will be Biotechnology. Discussion at Council indicated a favourable response to the idea. During my discussion with College both the Rector and John Smith indicated support for the conference and John Smith was able to commit College into financially supporting the venture, for which I am indebted as there is no doubt that without this financial support we would not have been able to proceed. I am at present writing to a number of companies and interested parties asking for support both financially and through participation. I will continue to administer INCOST 1985 until the end of my term of office. I anticipate approximately 50 delegates attending INCOST 1985, which will be held between April 13-18, I wish next year's Exec success with the venture.

## HARLINGTON GRAVEL

Last year a paper was presented at Governing Body outlining the Union's recommendations for the use of monies obtained from a gravel extraction project at Harlington. I have discussed this issue with Dr John Stocks, the Union advisor on extraction, however as the project is long term, little has developed this year. Test bore holes were driven over the Easter vacation the results of which are expected to be available in the summer. Tenders will then be invited for the contract around August/September. The successful contractor will then have to obtain planning permission which may take up to five years. The exploration is estimated to take a minimum of ten years after that.

## UGC RESPONSE

IC Union was asked to reply to the UGC '28' questions on 'A Strategy for Higher Education in the 1990s' by College, in order that the Union's viewpoint could be incorporated into the official College response to the document. The Union did compile a response, however, I felt that although we expressed our views on many of the questions, we disagreed with the fundamental assumptions on which the questions were based, and found it difficult to relate IC Union's activities to any future strategy. Under no circumstance were we willing to commit IC Union to a decrease in future funding. My thanks to Peter Burt for his exceptionally active involvement in the Union's response to the UGC questionnaire, and the organisation of an open meeting to discuss the College's response.

## TELEPHONES

During the initial months of my sabbatical I regarded telephones as highly frustrating due to the slow progress that was made on repairs etc. However this improved 100% during the autumn term, and I must thank Mr Burrige for the prompt service we have received in recent months. I am also grateful to him for his advice and cooperation in establishing the Union's requirements within the new electronic telephone system due to be operational next September. I wish him the best of luck with the new system, I have a feeling he might need it.

## SPORTS SHOP/LONDON STUDENT TRAVEL

One of the early decisions taken by the Union was in asking LST to vacate their premises on the walkway. This arose through the requirement of the site for a sports and regalia shop and the absence of any income from LST. The sports shop is functioning well and I am indebted to Roy Hicks, the Bookshop Manager and Chris, for the amount of work they have put in to make the shop a success.

## STUDENT TRAVEL AUSTRALIA

With the loss of LST in September, we had a vested interest in re-introducing a travel centre into IC. STA are now installed in the JCR and I believe are providing a more satisfactory service to both students and staff. Best of luck to all the staff in the IC office.

## COLLEGE DINNERS

We were asked what would improve student attendance at College Dinners. We suggested they be held on a Friday evening, have a bar extension and a disco or jazz band. The most recent of these events, although did not have a bar extension, was held on a Thursday and was a buffet format. However I believe it was enjoyed by all, and suggest that the autumn term would be the more suitable time for such an event. Although I believe the dinners are value for money, I feel that the difference in price between staff and student tickets is far too small.

## SOUTHSIDE

The myth of the Southside move, remained inconclusive during my year

of office. I do not believe there is any possibility of the Union ever moving to Southside. I have always viewed the project as an expansion to Union facilities rather than as a replacement site.

However progress this year has been slower than at a snails pace. I came into office expecting the central laundrette and gym facilities to be complete by mid September. As I reported in one of my UGM reports 'as accustomed as I am to the incompetence and total ineptness of the Estates section, even I find it hard to believe that for a project originally intended to begin in Easter 1983, they could have mismanaged the project so effectively as to be months behind the fourth schedule'. I now believe the central laundrette is complete apart from a number of security problems, however rumour at the moment indicates that two of the washing machines may have been stolen, before the laundrette is even open. The gym area is also complete, but whether the lighting in the area is adequate for sports use is debatable. Security in Southside has been discussed in every Presidents report for the last n years! Although things are actually moving at last the delays have been endless—with the Estates section delaying work until the GLC approved, I can only say that the Estates delay factor was prominent yet again! The latest security proposals include a double door system with the outer being on an ASSA key system, the inner on a key card system. This will mean that the inner doors will be locked on a 24 hour basis. Naturally there has been a delay in the installation of the doors and uncertainty after a final decision had been made as to whether or not the key card system was suitably secure for student use.

Mentioning the fire alarm system in Southside makes me shudder—I cannot believe the failure of this system. After handing over the contract, at the end! of the proposed schedule (only 3 months behind the original deadline), the fire alarm has continually set itself off for no apparent reason on average of once daily. My only comment is that the Estates section appear to get more and more incompetent as the weeks go by. I can only hope for an improvement in the future—it surely can't get any worse.

The only successful venture in Southside this year has been the Weights Facility—in which the Union played an active role—after continual delay by College. My thanks to John Smith for the funding of this facility.

## AT LAST—THE END

As usual my thanks must go to all those people who have helped me this year, especially to Ieuan Thomas, Peter Mee and John Smith in College administration—they are a pleasure to work with.

To attempt to thank Jen, Jo and Pat in the Union Office would be an insult—I can never express how much we are indebted to them for their help and support at all times this year. I hope we are able to find as good a replacement for Jo, and warn future Presidents to dread the day when Jen has to leave the office.

I have enjoyed working and nearly all the Union offices this year and am grateful to a special few for all their help and advice. Sean, the token man in the office this year, has added spice and originality to the office—the quote 'There's never a dull moment' is so applicable when Sean's around. Chris, in her sabbatical term as Deputy President has exceeded all expectations—her work on bars and refectories has been amazing. My thanks for her support and friendship throughout the year. It only remains for me to wish Ian the best of luck next year—and hope that he, Dave and Eric enjoy their year of office as much as I have.

Gaynor Lewis

ICU President 1983/4

## DEPUTY PRESIDENT'S REPORT

### Introduction

It has been an interesting exercise concentrating into one report the efforts and anxieties of a year's work as sabbatical Deputy President. Those who read it may consider it long and over detailed yet whole days or weeks of thought, discussion and action on several topics have each had to be compressed into single sentences. I have tried to concentrate on information that will be useful next year and on subjects about which I have felt deeply, I hope that this report conveys an impression and flavour of the Deputy President's job to those interested.

### FINANCE

This is one of the single largest and most time consuming responsibilities of the Deputy President involving as it does the chairmanship of Union Finance Committee as well as responsibility for the budget and estimates of the Union.

#### Union Finance Committee

The biggest problem this year was the high commitment to equipment expenditure on the five year plan scheme which left little unallocated equipment fund for unforeseen expenditure. Policy has now been adopted to prevent this by limiting the five year plan committed expenditure to about three quarters of the equipment fund. Major purchases from the fund this year have been boats, a hang glider, a snooker table, a phototypesetter etc. There is still a lot of confusion and miscomprehension about how the 5 year plan system works and I urge officers to check policy so that their clubs are not caught out next year.

#### Budget 83/84

On the whole spending has matched the estimates drawn up last year, two factors have cushioned what could have been a very tight year, these are an increase in Conference bookings income and a saving in salaries due to the delay in replacing the Union receptionist

### Estimates 84/85

It is premature to make much comment on these as at the time of writing the final figure has yet to be confirmed. The single largest change in expenditure is due to our affiliation to the Universities Athletic Union allowing us to play sport nationally—this tips the balance even further to club expenditure which is a most laudable change. On the income side we have over the past couple of years increased non-subvention income significantly through increases in Conference and Union bookings income and through further commercial ventures, the STA office being the most recent. This has enabled us to increase our activity faster than the increase in College subvention but it is difficult to envisage how we will be able to sustain this increase in 'privatised' income making the estimates progressively more difficult in the coming years.

Compiling the estimates gives a DP a good insight into the workings of sections of the Union. On the whole offices were most helpful with the preparation of estimates and I found it a difficult task imposing cuts but I was pleased to be able to avoid the ugly Major Sub Committee CCU rows of last year.

### Accounts and Audit

This year saw a change in the College accountant responsible for the preparation of Union accounts and provided an opportunity to try a change in style. Though not wholly successful I am sure that with a year's experience Ray Taverner will produce a set of accounts that are more relevant to the activities of the Union at the end of this financial year.

I have also worked with the Internal Auditor on several aspects of the Union accounts, particularly the revision of the 'Financial Procedures' booklet, and on improving aspects of the accounting system.

The changes of responsibility within the Finance Section have led to a few awkward patches over the last year particularly with interpretation of the VAT regulations and it will make life much easier for Dave if a clear ruling is given as to the responsibilities of the Finance Section.



professional institutions, local media, industrial and business concerns, and schools. Next year's INCOST may be useful in making such contacts. Individual students and their parents can continue to help by contacting MPS, concillors and businessmen and pointing out the importance of investment in education.

Any efforts that the EAC may make to improve the public image of students will be futile if they are thwarted by the activities of other groups within College. Few people are likely to support our case if certain students carry on organising pornographic film shows, throwing decaying organic matter around Putney, and generally maintaining a reputation for drunkenness and thuggery.

#### London

At present the University of London Union is the most active 'umbrella' representing student unions in London. However, there is a great deal of current discussion on the feasibility of setting up a London region NUS group. If such a body was to form, it is likely that emphasis on the broader issues facing London students is likely to move away from ULU and towards the new group, leaving ULU to concentrate on academic affairs alone. This could be very damaging to IC Union, since at present most of our contact with other student unions is via ULU. There is therefore a danger that we could become still more isolated from the remainder of the student body through non-membership of NUS.

ULU next year has the potential to be far more relevant and effective than it has been recently. Nevertheless, ULU will only work if there is adequate input from constituent unions, and it would greatly benefit Imperial College Union if any of next year's officers were taken on the admittedly demanding extra duties of being an active ULU hack.

#### College

External Affairs must, in future, have a much higher profile in Union activities. Cutbacks in the amount of money being spent on Imperial College will mean less technical and administrative support, less new equipment, and fewer new initiatives in teaching. These will all have an effect on the academic standards of Imperial College graduates, and the Union has a role to play in ensuring these standards do not drop. Many students are still unaware that Government policies have a direct impact on the quality of teaching, time spent in the laboratory, and shortages of library books. The Union must continue to work on the Academic Affairs front to prevent teaching from suffering unduly from financial constraints as well as highlighting and opposing the root causes of the danger.

Despite the image of the stereotyped Imperial College student, this year's work has shown that, by and large, students are concerned at the effects of education cuts and are prepared to act against them. The key to getting student involvement in such matters is to minimise the amount

of effort an individual student must put in. It is not enough to put up posters and write articles in FELIX. Union officers must make an effort to break away from the Union Office and UGMs and actually talk to ordinary students about these matters. Sabbaticals in particular must show far more involvement in doing this, since to a large extent they are seen as the leaders of the Union.

A mini-campaign in the first week of the new academic year, with a high External Affairs presence at the Rector's Speech and Freshers' Fair, would go a long way towards nurturing an interest in Government Education Policy, but follow-up work in letter-writing and petitioning etc together with a major spring term campaign, is essential in maintaining this interest. Obviously a great deal of work will be involved if such a campaign is to succeed, but this work will be made far more effective if other interested groups within College, such as political and debating societies, campus trade-unions, or the College Press Office, are approached for assistance.

#### A bit of self-indulgence

'Many people in higher education pursue the hopeless illusion that the future of universities, polytechnics and colleges can be treated on its own. They want the cuts to be resisted but in a political vacuum. But higher education policy cannot be abstracted from the ordinary process of politics. It is tied up with privatisation and cruise missiles and the Common Market. It comes as part of rival packages and cannot be bought and sold singly. It is the vain attempt to deny or judge this central fact, the instinctive commitment to an apolitical and so anaemic defence, that really explains any lack of bite in higher education fight back against the cuts'.

A quotation from the leading article of the Times Higher Education Supplement, March 2 1984.

#### The most important part of all

Lots of people have been very, very helpful to me during my time of office. Special thanks must go to Pat, for typing excessive amounts of pompous verbiage for me, and to Karen in her role as the source of all knowledge. I must also thank the long-suffering External Affairs Committee, and above all else, everyone who marched, lobbied, wrote, signed, leafleted, filled in questionnaires, attended meetings, or otherwise helped with or participated in External Affairs Committee, and otherwise helped with or participated in External Affairs events this year. To all those who didn't: why not get involved next year?

Best of luck to everyone for next year. It will be a difficult time for the External Affairs Committee, but keep up the good work and remember: Don't let the bastards get you down.

*Red Pete*

#### ICAAO

This year problems associated with Academic Affairs have not been in the forefront of College life, but things have been rather quiet. This stems from a lack of desire on the part of the Academic Affairs Officer to attempt radical changes. Nevertheless, various matters have come to light this year, few of them new, that have been sorted out to some degree or another.

At the beginning of the year the third year undergraduate students at Management Science, were faced with having to attend events within their departments which clashed with other arrangements throughout College such as the Rectors Reception and Freshers Fair. When this came to light, the Department of Management Science at first denied it, but then pointed out that they had not timetabled anything for the postgraduate 'freshers'. It seems that there is no College rule that the first two days of term should be kept clear for second, third, and fourth years although only the Department of Management Science arranges anything. Complaints about this department date back to at least 1971. The problem is that once the first few days of the first term are over, they tend to be forgotten about. This year I feel that we should get in before the event, rather than after, so I intend to start up discussions again with Prof Eilon and Peter Mee, over the summer. Another old problem which has come to the surface again this year is that Geologists and Mining Engineers tend to be very much out of pocket after field trips. There seems to be very little which can be done to alleviate the problem at a College level. The departments are aware of the difficulties, but the fact that the problem is country-wide lends itself to consideration by the External Affairs Officer.

It seems that the old problems are running rife again this year, since there still seems to be widespread dissatisfaction at the standard of Maths lecturing in non-mathematical departments. The problem stems

not only from a widespread need for lecturer training but also results because the departments try to push too much into the syllabus.

As Academic Affairs Officer this year I have sat on several College committees: Board of Studies; Admissions Policy; Vacation Training and Education Technology. (There has only been one meeting of the Educational Technology Committee this year, which I was not able to attend). It is sometimes difficult for undergraduates to attend College meetings since they tend to be held at times which clash with lectures or lab time. For the meetings which I have attended, I feel bound to question my worth. Although occasionally I have been able to make useful comments most of the committees are long standing ones and tend to move very slowly. It is very difficult for a student who attends perhaps only two or three meetings to gain any feeling of continuity, and to be aware of the niceties of the committee.

This year I have had a bare minimum of Academic Affairs meetings and do not feel that this has been particularly disastrous. There is such a large chunk of student representative bureaucracy between the academic reps at the grass root level, and the IC Academic Affairs Officer that most difficulties can and should be dealt with well before they reach the ICAAO. However this means that the Academic Affairs Officer must trust the system to bring to his attention the true problems. This is best achieved through informal discussions with dep reps and constituent college academic affairs officers rather than through regular formal meetings where there may be nothing to discuss. In general I think that this approach has worked fairly efficiently this year, and feel that it should be continued next year. I wish Graham Thorpe the best of luck in tackling the same old problems next year!

*Joanna Claydon  
IC Academic Affairs Officer*

## ACC

I am pleased to report that it is possible to be ACC Chairman for two consecutive years, pass my exams and enjoy it! This has been important because of long term changes and improvements which require a certain amount of continuity; I am of course referring to UAU.

After many years of indecision as to whether to affiliate or not, ACC and ICU decided to affiliate for 1983/4 session, but unfortunately were unable to enter all sports. However, ACC gave a very creditable account of itself by winning the national finals in Water Polo and Volleyball, runners-up in 6 a side indoor cricket, quarter finals in Rugby 7 a side, and current success for 11 a side cricket. Individual and team performances in other sports including basketball, squash and fencing have likewise proven to be a headache for southern Universities who surely could not have expected such high calibre sports teams from Imperial.

We have set a dangerously high level of success in UAU which I hope will be continued for many years. I hope that rugby, football and hockey live up to the challenge, and I wish all clubs the best of luck next year. The extra competitions have certainly given a new lease of life and rekindled interest to the clubs involved this year, and provided much more scope for sports men and women at Imperial.

On campus facilities have also received a boost this year, with the new weights room, showers and changing facilities in the volleyball court and the (delayed) completion of a gym in Southside, all very kindly provided by College and Mr John Smith.

The new weights room was dreamt up by Boat Club who, along with Rugby Club, put a lot of hard work into its formation and setting up. It has been extensively used by all sectors of the Union, and has been run very efficiently with the kind cooperation of Cliff and his lads at the Sports Centre. Furthermore, no increase in sports centre charges for next session will ease the financial burden for the sports enthusiasts.

The introduction of an exercise bike in the multi-gym was intended for the ladies who found the multigym not entirely fitting to their needs. It seems to have been well received and used extensively, though whether the ladies have had chance to use it I'm not sure.

After five years of use, the volleyball court has male and female showers which will be greatly appreciated by its many users. Thanks must go to the Queensgate Trust and Mr Smith for the provision of funds. But oh for a generous benefactor to build a proper sports hall!!

I had intended that the martial arts clubs and table tennis may enjoy new facilities in Southside for at least half of the season, but Sims and Russell (Contractors), had other ideas. I apologise to those clubs who may have been disappointed and look forward to the grand opening this summer.

Out at Harlington, the facilities seem to have been better than the performance of some of our teams (sorry football 1st team). Mick and Anne Reynolds and the ground staff have continued to provide the excellent service and support for IC students. Coupled with the new lower bar prices, I hope that Harlington users will continue to enjoy themselves on and off the field.

The Harlington Gravel scene progressed slowly, with Dr John Stocks

acting as Union adviser on the committee. Trial bores were carried out during Easter which will be used for inviting bids for extraction. The promised millions of pounds are still many years away but my successor must keep on top of the developments.

Another year of indifferent, expensive service by Capital Coaches to Harlington may at last have some competition. There is a possibility of contracting a new, cheaper, punctual, reliable coach operator for next year, and now that RCC have very kindly agreed to let some other clubs in the Union occasionally use the Union vans (especially the new 17 seater), it is hoped that the inconvenience of having to travel long distances to compete may be reduced.

It has not been a year entirely without low points. It is with great sadness that I must report on two tragedies during this year. Christopher Darkes accidentally drowned in the Sports Centre despite the valiant efforts of the sports staff, and a student from UC committed suicide in the Rifle Range. Security and safety procedures were reviewed in the light of both of these, but it still remains a mystery how Christopher drowned.

Within ACC, two items topped the discussions during the year, athletic colours and tour grants. The Exec felt that the whole procedure and criteria for awarding colours needed serious reconsideration, especially to prevent devaluation and worthlessness of such awards. The new guidelines seemed to have worked reasonably well and awards this year probably reflect activity and ability much more so than in previous years. It is a pity that ICU Colours Committee doesn't want or see the need for a similar review or common sense approach!

Tour grants necessitated an EGM as the gap between available funds and this year's 'holiday fantasies' disguised as tours widened further. It seems perfectly clear that distance will have to be penalised in future; it is true that it is entirely illogical to fund a team tour to Gloucester at the same level as a tour to Europe, or anywhere else overseas. Next year's Exec will have to sort this problem out early in the new session to avoid a repetition of this year's ill feeling.

I would like to take this opportunity of commenting on a point raised at the same meeting "ACC and the Union exist to fund the elite, to the detriment of the rest of the Union". I can sum my feelings up in one word BOLLOCKS! We don't have sufficient funds to carry out all that we would like to do at present. How can anyone sensibly expect preferential treatment because they consider themselves to be better than everyone else? I suggest that they sacrifice a good education and turn professional if they are that good, and leave ACC and the Union to put on as many sports and facilities to benefit as many students as possible.

Finally, the success of ACC is a function of the level of input, interest and commitment from club captains and the Exec. I would like to thank the ACC Exec: John (especially for lively and interesting sports pages in FELIX), Steve, John, Tim, Gabby, Graham and Pete, Dr Dave Chadwick for his continued support and patience as Treasurer and Jen, Pat and Jo in the Union Office. There are hundreds more who should also be thanked here and I apologise for not mentioning their names.

Ian Bull  
ACC Chairman

## RCC

### Club News

This year has seen the formation of two new RCC clubs: Waterskiing and Parachuting and Parascending both of which are now running programmes of regular activities. The large number of first and second years involved in the formation and running of these clubs augures well for their continuation as active members of RCC in the years to come.

On a less cheerful note, three clubs were wound up by RCC; these being Art Club (their lighting equipment being passed to SCAB), Angling Club again (their fridge passing to Photosoc) and Railway (whose 3" gauge live steam loco 'Dymphna' is currently being recovered from a past member, possibly for use at Rag events).

### Club Activities

All RCC clubs have been active this year (membership being overall well up on last year) although the independence displayed by one or two to them has given cause for concern.

Some clubs have been designated 'Hazardous' by the RCC Executive and they have all submitted safety policy documents to RCC and to College. It is to be hoped that these documents, essentially laying out a safety framework for running trips, will finally lay the spectre of Mountaineering Club's Christmas 81 tour climbing accident to rest. The hazardous recreational clubs were all offered the chance to send a number of members on a British Red Cross First Aid course paid for by RCC. As a result RCC now has some 25 extra qualified first aiders. I hope that the same scheme can be worked next year. Thanks to those who took part and especially to Roger Serpell for running the course.

Tours so far have featured YHA, Caving, Gliding and Balloon and

details of summer activities are awaited. It is however known that Mountaineering are planning an expedition to Equador and that Caving hope to be going to Peru.

### Financial

The money so far has held out well, but with the pressure on funds from supplementary claims brought on by an overall increased level of membership (especially where outdoor activities are concerned since these require travel subsidy) it looks as though the subsidy on summer tours may have to be below.

The use of Five Year Plans has been high this year with Billiards and Snooker purchasing a fourth table and Hang Gliding procuring a secondhand hang glider and a very competitively priced microlight engine. In addition Canoe Club have continued to build up their fleet of plastic kayaks—these being stronger than fibre-glass and consequently having a much longer life.

Two new Five Year Plans have been submitted; one from Photosoc who do desperately need an injection of cash and equipment and the other from Waterskiing who, realising the potential cost of their sport both to themselves and to RCC (through subsidy), are seeking to purchase much of the facilities and equipment they would otherwise have to hire.

### Transport

This year has seen the demise of the old Transport Committee, which took over the running of the Union vans from RCC in early 1980, and the quashing of the Priority User System which gave certain RCC clubs what some people would claim was an unfair precedence when it came to booking out the Unions vans.

The new committee and the revised structure of Union Transport seem much more reasonable from an unbiased Union standpoint, but as RCC Chairman I am unhappy with the way that Union Transport has slipped away from RCC in only four years, especially since I see the new scheme of things leading to an increase in transport costs for RCC clubs and therefore an increase in the transport subsidy claimed. This is almost certain to strain the finances next year, since the proposed RCC grant income wholly comprises the additional grants of Waterskiing and Parachuting and Parascending. I hope that next year the CCU's and other MSC's will acknowledge the fall in their transport costs and will act reasonably when RCC approaches UFC for additional finance.

The RCC Exec felt that the business of the new committee had the potential for a lot of work for RCC—possibly more than the Chairman or Vice-Chairman could handle. Therefore, the dormant post of Transport Officer has been revived to provide the RCC representation on the committee.

#### General

The use of a computer program to perform the RCC accounting has proved its worth again this year especially at RCC Exec meetings, when the state of any club's finances can be reviewed in the knowledge that they are a maximum of one treasurer's meeting out of date. Like all past RCC Chairmen I urge all the other MSC's (and any other part of the Union which may be interested) to take up the computerised accounting system. This year the use of the College mainframe to perform the accounting has moved onto a formal basis thanks to the generosity of ICC in letting RCC have a user number specifically for that purpose.

The composition of the RCC Exec this year has proved very successful: RCC divides into two sections, 'indoor' and 'outdoor'. This year has seen an 'indoor' chairman and an 'outdoor' vice chairman resulting in informal, well-balanced, unbiased decision making. I therefore recommend to future RCC's that they seek to unite the two factions in the top two student posts for the good of their clubs and for the good of RCC.

This being my fourth year on RCC, I was aware at the start of the session that the same old questions cropped up again and again at General Committees and to overcome this, information sheets were produced for CC club treasurers and for RCC club chairmen detailing how to set about doing things in RCC and mentioning as much RCC policy as possible. To my mind these sheets have been a success; I am sure that the club chairmen have, this year, had a much better idea of what they can and cannot do. It is my intention that these sheets be revised and reissued next year.

Finally, I would like to thank my Exec who have all been wonderfully conscientious in the execution of their duties, the Union Exec for assisting me over the course of the year and the RCC Club Chairmen all of whom have given time up to explain to me just what their clubs actually do.

You have all helped RCC run smoothly for the benefit of all. Thank you.

*Hugh Stiles*  
RCC Chairman

#### SCC

This year has seen a tighter control in the running of SCC clubs and greater cooperation between them with increased activities. As a result I believe that the SCC is starting to work together as a group of similar clubs, rather than as isolated units.

EVENTS: At the Freshers Fair the clubs were separated into four groups; the current affairs clubs, the religious clubs, the miscellaneous ones in Sherfield and those in the Union; each set were grouped together in one room and had an SCC poster advertising them. Thanks are due to Mr Terry Quirk and the Quills publishers for allowing us to reproduce their poems. Unfortunately, due to a mix-up, the Overseas Students Committee had been allocated one stall for about ten different clubs, in the room containing the SCC pressure groups; as a have lost potential members here, but the aggregate membership of all SCC clubs has nevertheless increased considerably this year. The largest clubs are the Industrial Society (approx 400), Wellsoc (approx 350) and SF (approx 250). During the year three new clubs were formed (Socialist Workers, Pooh Bear and here at last, QT), while the Social Democrats have re-formed. An attempt was made to restart PATA, while an Alternative Technology group may still be in the pipeline.

During the year, SF, Wellsoc etc have filled the gap left when Ents decided not to have regular film shows; Wellsoc celebrated their 20th anniversary, and have found two more to celebrate next year. Pimlico Connection have lost the services of Dr Sinclair Goodlad, after nine years of help, but I am pleased to note that Council awarded him Honorary Life Membership for contributions to Pimlico, STOIC and Wellsoc.

The Conservative Society and the CND held four successful joint events; the Bah'ai, Islamic and Jewish societies held a religious week, coordinated by Nigel Young; there was the Christian Societies' Contact Week; and twenty clubs from SCC and OSC participated in the Human Rights Week, coordinated by John Sattaur, which was the most impressive of the three HRWs to have been held in College. I would like to thank the FELIX staff for the help in producing the supplements and articles for these events and all others. The current affairs groups have had a very active year, this being reflected in the Social Colours nominations received by the SCC, and WIST have been heavily involved in the production of a report for the Women in Science and Engineering Year.

FINANCE: This year has been a great improvement in efficiency in the running of clubs. In particular, the finances of each club have been

under stricter control, with all clubs now keeping a detailed and up-to-date account book. This requires a large effort by each club treasurer, but it probably leads to a greater awareness of budgeting through the year, which enables better control of the money supply. As a result, the SCC has been able to purchase a secondhand cine-projector and a tea urn. The expenditure of these items is only a little more than the annual costs to the SCC of hire. Dr Robin Smith, The College Senior Tutor and SCC HST is stepping down at the end of this term. He has been exceptionally efficient and helpful for the past two years, and he, too, has had HLM awarded by Council.

FINALLY: This year has seen the beginning of the formation of an SCC identity; clubs have been encouraged to take an active part in decision making, which has been most democratic this year (!), and to coordinate their events more closely with each other. I would like to thank the SCC committee for their help this year, and wish Jonathan Gerson, SCC Chairman-elect, and the clubs, success in the future.

R J E Graham  
SCC Chairman 1983-4

#### PUB BOARD

The job of any Major Sub-Committee Chairman seems to consist mainly of sorting out problems; this year has been no exception as far as Publications Board is concerned.

The session began with the events surrounding the resignation of the Handbook Editor Adrian James. Here both the editor and the Exec were to some extent at fault, the difficulty arising through a lack of communication. In future years, both parties must ensure that the Handbook is adequately checked before printing. Adrian James did, nevertheless, do a very good job, and produced a fine Handbook.

FELIX this year has been a controversial as ever and editorial freedom has been preserved. Whilst this is a healthy position to be in, future editors and Execs should realise that editorial freedom and efficient running of the Union need not be mutually exclusive. Pallab has succeeded in attracting a large and enthusiastic staff and producing a FELIX that has always been lively and, increasingly, well read.

The Phoenix this year, contrary to all expectations, has been controversial in respect of one article. In spite of this it is a fine magazine and the editor, Tony Atkins, has excelled in producing a magazine that is in the best traditions of recent years.

The Alternative Prospectus has, for the third year running, been produced by an AP Editor. In previous years the Academic Affairs Officer had this responsibility. I feel that the move to having a specialist editor has resulted in dramatic improvement in quality and I am pleased to note that Council have recognised this in the awarding of an AP Editor's pot.

IC Radio remains the only student radio station in London, and goes from strength to strength. Under the able leadership of Neil Collins the station has attracted a large and capable staff. The friendly atmosphere in the station is reflected in the large number of freshers who have started working on IC Radio this year.

In spite of internal difficulties, STOIC have succeeded in broadcasting a full program, over the closed-circuit system to the Halls and Common Rooms. It is hoped that the new leadership will resolve these internal difficulties and that the station will continue to thrive.

It has been evident to me, at times, that a degree of animosity has existed between certain of the Publications. This is particularly counter-productive, and both parties should realise that if each is to function to its full potential then this must stop.

In spite of this, publications at Imperial College are in a very healthy state, and are the envy of colleges and universities throughout Britain. The range of publications that we produce is unrivalled, and as for quality, we rank among the best. If the level of capital expenditure achieved this year is maintained, and students continue to be interested, then things can only improve.

Finally, I would like to thank our Honorary Senior Treasurer Steve Cook, who took over this year and has done a splendid job. Thanks are also to Hugh Southey who took over as Pub Board Chairman on my resignation.

David Rowe

#### INTERNAL SERVICES

The performance of the Internal Services Committee this year has been patchy. On the plus side ISC has played a major part in the Union refectory takeover, a move that the Union should have thought about earlier. However, on the minus side, ISC often performed in an aimless manner. To counter this ISC is drafting a list of policies that it feels it should be pressing for. Hopefully this will result in things such as a new servicetill. (Anyone with an idea for services for the Union to provide should contact me in the FELIX Office.)

The committee members of ISC have sat on several college committees.

REFECTORY: This committee can (and does on occasion) totally ignore student representatives. On issues such as pricing where student suggestions are sensitive but unpopular they are often ignored.

SUGGESTIONS AND COMPLAINTS: Sometimes tends to ignore food and concentrate on furniture. However, in general, it is prepared to get to the root of problems.

SHOP: An excellent management committee.

LIBRARY: There were few problems.

BOOKINGS: Apparently no problems.

BAR: Many improvements in bar management by the committee. In particular the revision of bar pricing.

Finally, I would like to thank everyone who has helped this year, Christine, Gaynor, Sean, Jean, Pat, Dave, Martin, Pete, Diana, Pallab etc.

# IMPERIAL



# COLLEGE

# UNION AGM

**24 May**

**Great Hall**

**1pm**